

# **GENERAL CATALOGUE**



**DORCAS**



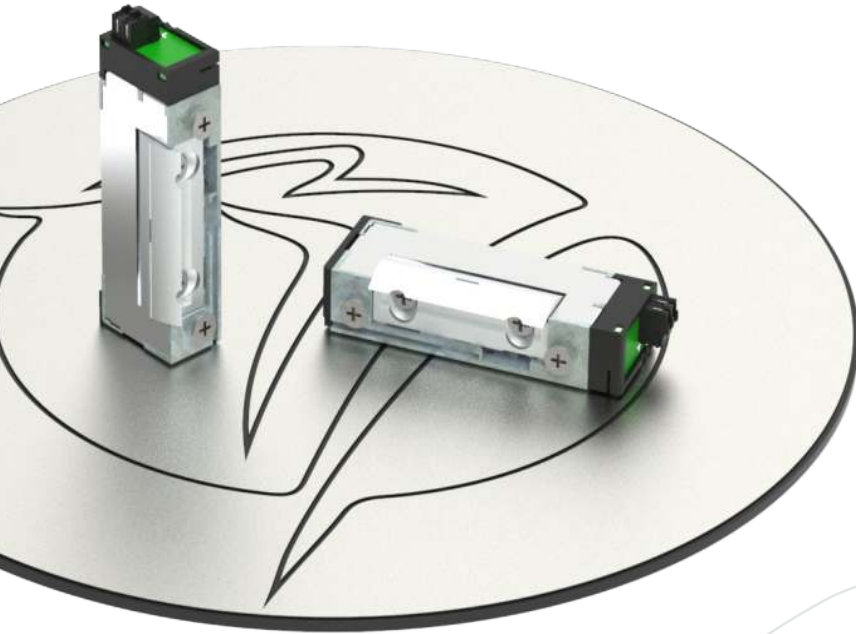
**DORCAS**

Y N M O R E T X D F O N Y R A F A X T S O F I A J H A B  
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 N S B B X D K H M Y S R F M A D R T D X U I L Ñ L K Ñ P  
 T O A L Ñ D F D G J P E Ñ L I I S A N T O N J U A N C R

**AGILITY**  
**INNOVATION**  
**QUALITY**

**THANK YOU FOR INSPIRING US!**

# INDEX



## 04

### DORCAS

DORCAS began its story in 1971, and we are still committed to the future, which is why innovation is one of our company's distinctive features.

## 214

### MECHANICAL LOCKS

Mechanical locks are those that need a key to activate and deactivate the locking system. The DORCAS range is manufactured in highly resistant materials, which give them a very long useful life.

MODELS.....PAGE 218-219

## 220

### ELECTROMAGNETIC LOCKS

An electromagnetic lock is an electromagnet and a counter plate, with the electromagnet being fitted to the door frame and the counter plate fitted to the door leaf. When we power it up the counter plate gets fixed to the electromagnet and the door stays closed. The operation is reversed: the door opens when the electric current is cut.

MODELS.....PAGE 229-243  
MODELS.....PAGE 248-249

## 250

### DOOR CLOSERS

A door closer is a mechanical device that allows doors of different types to execute a controlled closing movement. They are security features that are becoming increasingly widespread.

MODELS.....PAGE 258-274



# 10

## ELECTRIC STRIKES

An electric strike is an electromechanical device that is installed in the door frame, enabling the door to be opened by an electrical operation. At DORCAS we have a wide range of electric strikes with different functions and features that make our product the solution to any problem or need.

MODELS.....PAGE 20-155

# 154

## FACEPLATES

An faceplate's main purpose is to fasten the strike to the door frame. By including the faceplate, we obtain the benefits of protecting the strike and allowing a smoother sliding of the friction trigger.

MODELS.....PAGE 160-175

# 176

## ELECTROMECHANICAL LOCKS

DORCAS electromechanical locks offer high levels of safety and comfort, outdoing conventional mechanical systems on various counts. They are installed on the door leaf unlike a strike, which are installed on the frame, and they offer lasting performance and low maintenance.

MODELS.....PAGE 180-212

# 276

## DOOR OPERATORS

A door operator is an automatic motorised system that both opens and closes a door. These devices manage the movement autonomously and can be connected to accessories.

MODELS.....PAGE 282-283

# 284

## ACCESS CONTROL

Access controls are devices that facilitate control of entry and/or exit through the doors. They are installed to control other locking systems, strikes, electromechanical locks, electromagnetic locks, etc.

MODELS.....PAGE 288-296

# 298

## ACCESSORIES

DORCAS has a whole range of accessories available to the customer to complement the installation. From transformers or power supplies to busbar contacts.

MODELS.....PAGE 300-309

## OUR STORY

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In 1971, in Siete Aguas, a town full of history and tradition, MONTAJES ELECTRÓNICOS DORCAS, S.L. was set up by José Vicente Ibáñez and several other partners, with all the excitement and enthusiasm that comes from setting off on an adventure that hasn't finished yet.

Since its foundation, it has maintained the philosophy instilled by José Vicente Ibáñez: **People together, united and happy.**

In 1982, Spain and its economy were changing, DORCAS defied the crisis and strengthened its position in the national market, specialising in the manufacture of electromechanical opening systems.

10 years later the export market started to grow. CAD systems were introduced to facilitate industrial automation and by the year 2000 DORCAS had built a worldwide presence, taking its products to more than 70 countries spread over 5 continents.

In 2002, DORCAS moved to new installations as a result of the company's significant growth. In 2008 two of DORCAS' most relevant products to date, the 54 series, the most sold series, and the DUO, an electromechanical lock introducing a groundbreaking system.

In 2011, when the company celebrated 40 years in business, Pablo Ibáñez, José Vicente's son, was appointed CEO of DORCAS, conserving the same philosophy handed down by his father and increasing the product range to meet the needs of the market and of our customers.

Once again, in 2015, DORCAS grew strongly, incorporating more automation in its processes, thereby embarking on a new market strategy. After this strategy, introduced by Pablo Ibáñez, in 2018 secured the number 2 spot in the world in terms of strike production volume.

Since 2018 it has continued to grow consistently. Our non-conformist and persevering nature has allowed us, step by step, to develop a very extensive range of products, to the point of having more than 5000 different models of electric lock openers adapted to different standards and to the different needs of the 5 continents.

After more than 50 years in the business, today at DORCAS we are still committed to the future and that is why innovation is such a distinctive feature of our company; we have an active R&D department that uses the latest technologies and tools to design new models and optimal solutions.

**WE ARE GRATEFUL FOR WHAT WE HAVE, BUT WE HAVE OUR SIGHTS SET ON MORE**



## CORPORATE VALUES

### AGILITY INNOVATION QUALITY

We listened to our customers' suggestions to be more **agile** on adapting the product to a new requirement and therefore achieve excellence in each of our products.

**Innovation** and the latest technologies from our R&D department are key for us to constantly offer new models and new solutions. And all this, with the aim of adequately serving the needs of a constantly evolving market, offering appropriate, personalised and up-to-date service.

At DORCAS, we pride ourselves on offering the best products on the market in this sector.

**Quality** certificates from top laboratories, patents and designs adapted to the different international standards and to each specific situation back up our range of solutions.

## WHAT DO WE OFFER AT DORCAS?

From the outset, we have specialised in the design and manufacture of electromechanical opening systems and, with the aim of offering the optimal solution in all kinds of situations, we have managed to expand our product range to a large degree. Today, we continue to work on this with great enthusiasm and application, with our sights set on the future.

Thanks to these efforts and the perseverance of our team, we at DORCAS can proudly say that we offer 100% effective solutions to cover any need, anywhere.

Our range currently includes over 10 different types of product, from strikes to access controls, electromechanical locks, door operators, electromagnetic locks, push buttons, transformers, among others.



## HOW FAR DO OUR PRODUCTS REACH?

From the outset at DORCAS we have been strongly established in Europe.

Our sales team travels the world attending to the needs of our customers, providing the personalised service that marks us out from the rest. Opening up new markets in emerging countries.

With a strong international vocation, DORCAS currently markets its products in more than 75 countries, spread over the five continents, adapting to the most varied standards and circumstances.

### BENCHMARKED BY LOCATIONS WORLDWIDE



**Eurodisney**  
Paris



**Santiago Bernabeu Stadium**  
Madrid



**City of Arts and Sciences**  
Valencia



**Adolfo Suarez Airport**  
Madrid



**Charles de Gaulle Airport**  
Paris



**El Prat Airport**  
Barcelona



**Burj Khalifa**  
Dubai



**Palm Jumeirah**  
Dubai



# WHAT DO YOU GET?

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## EXPERIENCE

In 50 years DORCAS has always been at the forefront of electric strikes, meeting the needs of a constantly evolving market. We are proud of everything we have achieved over these 50 years plus, but we have our sights set on a lot more in the next 50.

***“ATTITUDE IS THE KEY TO SUCCESS”***

## MANUFACTURE

To guarantee the 100% of the quality of our products we undertake all the manufacturing processes from the idea through to the packaging. All our products have passed the strictest quality controls. Successfully tested products have turned our brand into the leader in electric strikes.

***“YOU DON'T SAY THINGS, YOU DO THEM. BECAUSE WHEN YOU DO THEM, THEY SPEAK FOR THEMSELVES”***

## TECHNOLOGY

Our innovation philosophy is based on a commitment to the most advanced technologies. So we invest in the research and development of products and solutions with safety and efficiency as the prime concerns in order to remain leader.

***“WE KNOW WHAT WE ARE, BUT WE DON'T YET KNOW WHAT WE CAN BECOME”***

## ADVICE

Tell us what you need and we will offer you the ideal products. We will tell you what the best way to go about it is. We are at your disposal.

If you need a new tailored solution for your project, we will create it.

***“ONLY THINGS YOU DON'T TRY TO DO ARE IMPOSSIBLE”***

## CUSTOMISATION (OEM)

Thanks to our extensive experience, at DORCAS we are consummate experts in the customisation of our product range, working together with our customers and carrying out this process quickly and efficiently, achieving a high level of customer satisfaction.

***“THE REAL LUXURY IS THE CUSTOMISATION”***

## AFTER SALE SERVICE

We make the best team available to ensure you get the best possible experience before, during and after the purchase. This way, we maintain a lasting relationship with our customers, always meeting their expectations and needs.

***“INSTEAD OF FOCUSING ON THE COMPETITION, FOCUS ON THE CUSTOMER”***

# DORCAS ICONOGRAPHY



Alternating (AC) and direct (DC) current



Alternating current



Direct current



12V in DC



Multi-voltage from 10 to 24 in AC or DC



Bi-voltage 12 or 24 in DC



Unlocking



Non-radial latch



Radial latch



Symmetrical



Flex flap adjustment



Monitoring



x kg Breakage limit



Timer



Easy to fit



Flush-mounted installation



Surface-mounted installation



DST technology



Fail secure & fail safe



Fail secure



Fail safe



Non-reversible



Reversible



Repositioning



Din left



Din right



Preload



x kg of preload in fail secure



x kg of preload in fail safe and fail secure



Monoblock latch



For panic bars



Key opening



Weather resistant



Universal



Automatic normal



Automatic sliding



For sliding door



For double glass leaf



For glass leaf



Long latch



Deep latch



TOP cover system



Small size



Evacuation routes



Fire-resistant



Fire-resistant 60 minutes



Fire-resistant 120 minutes



Water resistant IP68



Water resistant



Dust resistant



CE Marking



Standard EN 14846



Standard EN 61-937



Maximum security



For armoured doors



High-resistance



Electric opening



Opens electrically or with key



Opens electrically or manually



Opens manually or with key



Opens with push-button, manual or key



Opens with card, key or keyboard



Opening with card, key or remote control



Day and night



Audio signal



Motorised



Keyboard



Card



Card or key fob



Remote control



Recognition by fingerprint



Face recognition



Pinion mechanism



Cam mechanism



User register



Schedule management



Bluetooth



4G



For businesses



For people with reduced mobility



Invisible



Master key systems



DORCAS app



New product

# ***ELECTRIC STRIKES***

WHAT IS AN ELECTRIC STRIKE?



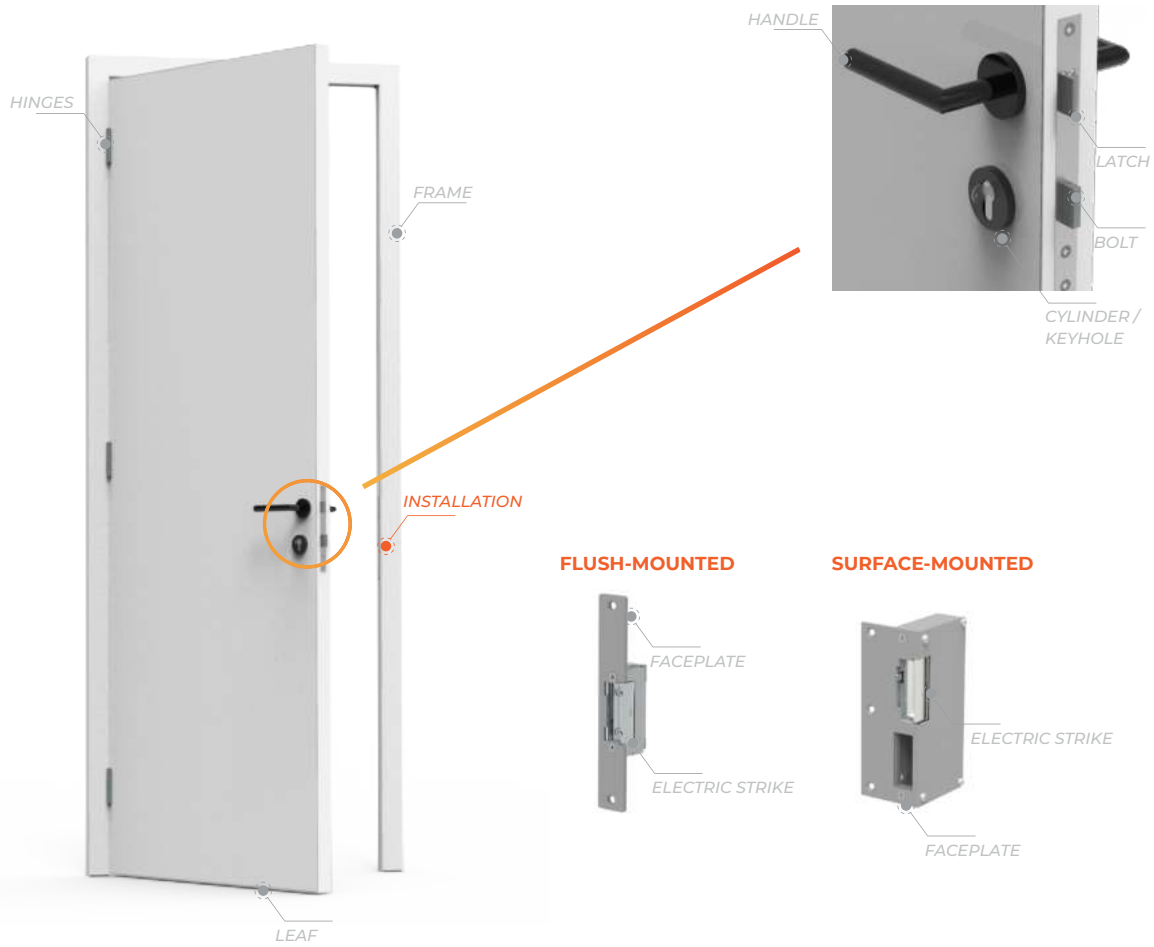
AT THE FOREFRONT OF  
***ELECTRIC STRIKES***



*An electric strike is an electromechanical device that is installed in the door frame, enabling the door to be opened by an electrical operation.*

*At DORCAS we have a wide range of electric strikes with different functions and features that make our product the solution to any problem or need.*





## TYPE OF INSTALLATION

### FLUSH-MOUNTED



A flush-mounted strike is installed inside the door frame.

It consists of a bracket or faceplate and a mechanism box.



### SURFACE-MOUNTED



A surface-mounted strike is installed on the door frame when the installation does not allow for flush-mounting.

It is composed of a mechanism box and a cover to be surface-mounted.



## SYMMETRY



We have always worked in such a way as to offer 100% symmetrical solutions to make it easier for the user to select and to install. The great advantage of the symmetrical models is that the mortising in the door frame will be identical in a din left or din right installation. All symmetrical strikes are also reversible, which makes them suitable for both din left and din right installations.

If we add certain features of the series, such as monitoring, the symmetry of the model may be lost.



## REVERSIBILITY



In the case of non-symmetrical strikes, these can be reversible, such as the 30 series, or non-reversible, such as the 77 series. For non-reversible models, a choice of hand, din left or din right, must be made in accordance with the DIN 107 regulation:

### REGULATION DIN 107



Standing on the side from which we are pulling the door, if the hinges are seen on the left, it will be a din left door.

You need to order a DIN LEFT or right-hand strike.



Standing on the side from which we are pulling the door, if the hinges are seen on the right, it will be a din right door.

You need to order a DIN RIGHT or left-hand strike.



# TYPES OF OPERATION

## NORMAL FUNCTION **N**

In the normal function (N) of a door strike, in its idle position it remains closed keeping the door locked and when it receives an electrical impulse, the door strike unlocks allowing the door to be opened. The unlocked time will be the same as the electrical impulse time.



## STANDARD DELAY ACTION **A**

Standard delay action (A) provides the door strike with a memory function, that is, when it receives an electrical impulse and is unlocked, the electric strike will remain unlocked allowing the door to be opened until the door is opened.



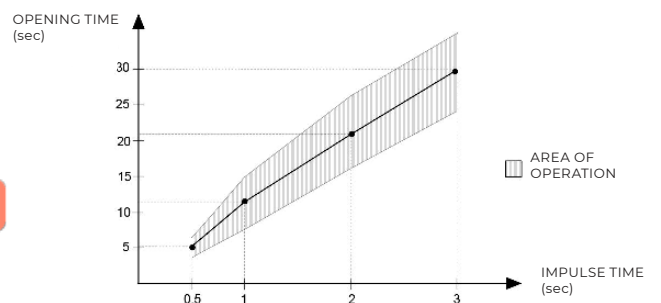
**Standard delay action (A)** This function is made possible by a bolt on the bracket of the mechanism in combination with the door's latch, which activates the automatic function when the strike receives current.

**Sliding delay action (Ab)** is a new feature incorporated in some of DORCAS' latest electric strikes. The bolt of the delay action mode has been replaced by a part that moves together with the flap when it is fitted to the door latch, improving the automatic operating range compared to the above.

**Invisible delay action (Aa)** gives the electric strike the delay action without any additional mechanism or part external to it thanks to its internal construction. A short electrical pulse period is recommended for this version to operate correctly.

## TIME DELAY ACTION **At**

Time delay action (At) provides the automatic function for a specific time. When the electric strike receives an electrical impulse, the door is ready to open for a time proportional to the duration of the impulse (between 5 and 30 sec.) and then closes again if it has not been opened.



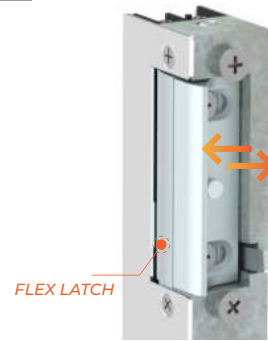


# FUNCTIONS

## FLEX LATCH



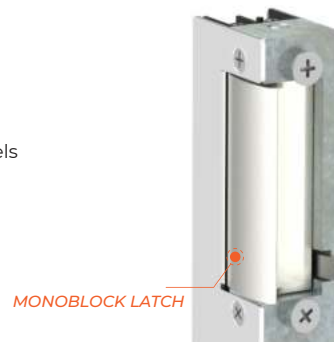
The FLEX latch version consists of a jaw that allows movement in the design's mounting holes. We can adjust the position of the jaw to different positions depending on the series the strike belongs to. With this adjustment we get a more accurate alignment with the latch of the lock reducing the door's clearance and getting a more precise door installation.



## MONOBLOCK LATCH



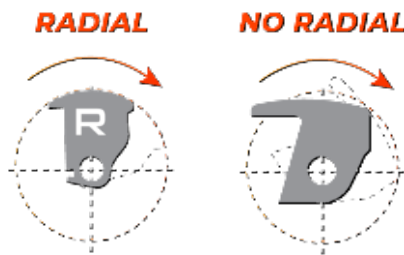
The monoblock latch version is the more traditional option, and more reinforced models can be offered with it.



## RADIAL / NON-RADIAL LATCH



The radial latch option incorporates a system that rotates on an axis displaced towards the base of the electric strike itself, allowing the door to be opened with a smaller rotation arc of the latch. Thanks to this option, the cut-out to be made in the door frame is considerably smaller and it also allows the electric strike to be upgraded with additional functions such as top systems.



## UNLOCKING



This consists of a mechanical and manual lever that enables us to leave the electric strike permanently unlocked. To activate the unlocking we just have to move the lever to obtain permanent opening without needing any electricity. When we want to put the electric strike back to its normal state, we move the lever in the opposite direction.

This option is ideal for main street doors where you want to leave the door open for long periods of time: building works, porters' lodge, etc.



## MONITORING



**305 monitoring** offers the chance to incorporate a microswitch or activator that gives us information on the door's status (open or closed). The series of electronic strikes fitted with 305 monitoring have a COM / NO - NC to indicate the door's status.

**325 monitoring**, additional to 305, provides us with information on the system's status (locked or unlocked).



## TOP SYSTEM



The TOP system is entered in DORCAS as a new system that facilitates the guiding (entry and exit) of the latch in the strike. This system avoids having to make cut-outs in the frame.

### MORE PRECISE AND ATTRACTIVE INSTALLATIONS



**TOP**



**DOUBLE TOP**



**TOP 2**

TOP version with a central guide ramp, which facilitates the guiding of the latch into the strike.

Version in STEEL  
Version in MIM

It has been developed to enable the TOP system to be combined with automatic sliding (AB), something not available until now. Furthermore, the two ramps provide a greater range of action.

This version has an exterior extension that facilitates the entry of the latch, making for a less aggressive closure. This system allows for the refitting of a NO TOP electric strike and faceplate with a cut-out already made in the frame. Especially indicated for PVC.

# ELECTRICAL FUNCTIONS



## FAIL SECURE

The electric strike idle position is closed.

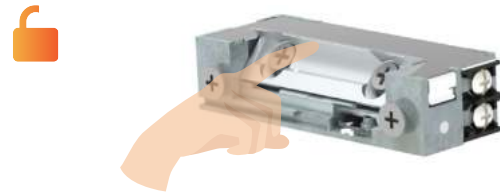


On receiving current the system unlocks allowing the door to be opened.



## FAIL SAFE

The electric strike idle position is opened.



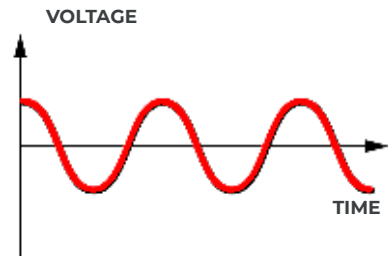
On receiving current the system locks allowing the door to be closed.



## ALTERNATING CURRENT



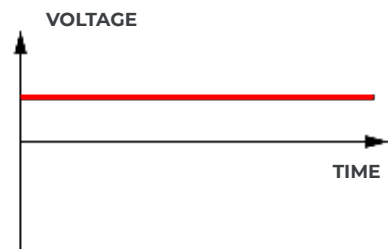
Alternating current is the most used and widespread form of energy. This type of power supply is the one in which we hear the classic buzzing when power is supplied. This type of power supply is indicated for use by pulsing or short spaces of time (3,5,10 seconds).



## DIRECT CURRENT



Direct current allows for a more silent supply and it is also the current indicated for applications that require continual or long periods of supply (400 - 500). It is also the current used in low-consumption electric strikes.



In direct current, the %ED or electrical load value needs explaining. It is a value indicated as a percentage that indicates the maximum powering time permitted so as not to damage the electricity system. DORCAS bases its %ED on a 10-minute cycle.

For example, if a strike is 20%ED, it means that the maximum electrical load cycle is 2 minutes with power, 8 minutes without power. 100%ED means that the electrical system can be powered uninterruptedly.



## DST TECHNOLOGY



What is DST technology? At the R&D department we work on the development of new systems that provide products with more efficient and functional ways of working.

The DST (DORCAS SLIDING TECHNOLOGY) system ensures mechanical opening, both in normal type (fail secure) electric strikes and reversed (fail safe) electric strikes, with preload of up to 20 kg. To provide additional security, the strike is equipped with a secondary system that ensures locking if opening is not authorised.

### THE TECHNOLOGY THAT CHANGES EVERYTHING.

#### TRADITIONAL TECHNOLOGY SHORT BAR - LONG BAR

System in which we administer electricity and a coil moves the short bar, which releases the interlock with the long bar and allows the electric strike to open.



#### DST TECHNOLOGY DORCAS SLIDING TECHNOLOGY

System in which electricity is administered, a coil pushes a sphere that allows the slider to move backwards so that the strike opens.



#### 1 DST SYSTEM

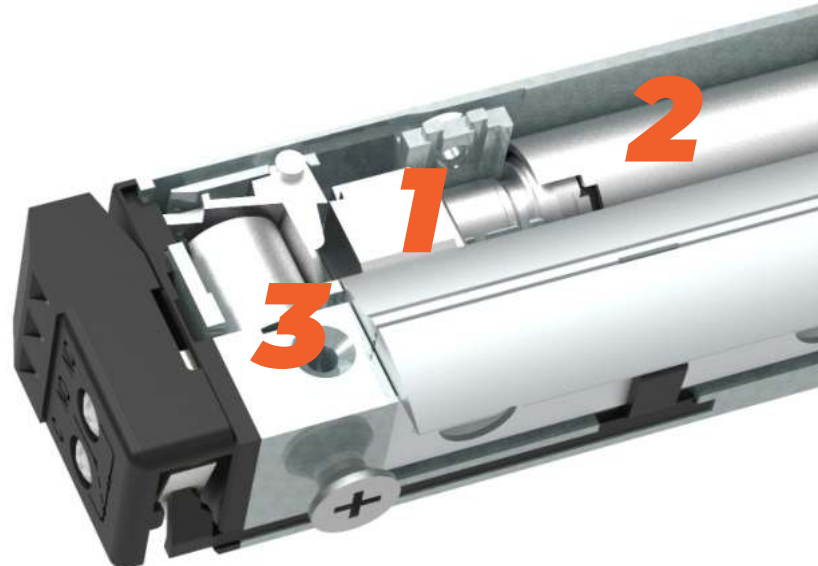
Innovative system that allows for opening with the preload.

#### 2 MAIN COIL

The main coil is the one that receives the current, interacts with element 1, enabling the opening to be performed.

#### 3 BACK-UP LOCKING

System with a second coil that ensures that the strike locks in the event of an unauthorised opening.



**PRELOAD AT 20 KG.**

Thanks to DST technology opening is possible with a preload of up to 20 kg.



**FAIL SAFE**



The FAIL SAFE version has a screw for regulating the opening force.

12VDC



**FAIL SECURE**



Another of the advantages of DST technology is that it admits preload both in FAIL SECURE and in FAIL SAFE.

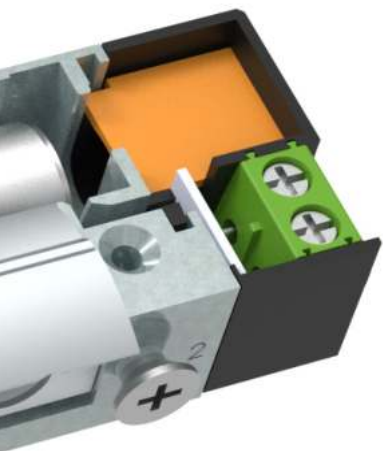
12VDC



Currently 4 series of DORCAS electric strikes incorporate DST technology:

**91 Series** is a series developed for the Nordic market, it incorporates double monitoring (325), allowing to obtain the status signal of the door and of the internal locking system through a connector. **SF91 Series** retains all the advantages of the 91 series but is designed for fire doors.

**100 Series** is a electric strike of a very small size, just 16 mm wide. **SF100 Series** retains all the advantages of the 100 series but is designed for fire doors.



**91 SERIES**

**SF91 SERIES**

**100 SERIES**

**SF100 SERIES**



<b>31 SERIES</b>	FOR REPLACEMENT AND REFITTING.....PAGE 22-23
<b>45 SERIES</b>	FUNCTIONALITY AND SIMPLICITY.....PAGE 24-25
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<b>41 SERIES</b>	RADIALLY SYMMETRICAL FOR EUROPEAN PROFILES.....PAGE 28-29
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<b>50 SERIES</b>	800 KG OF RESISTANCE.....PAGE 36-37





This series is well established in the market, they are the perfect resource, both for new installations, due to their functionality and simplicity, and for refitting.



# DORCAS STANDARD

## 31 SERIES

Our series that is well-established in the market, **perfect for replacement and refitting** of strikes already installed.



### INSTALLATION SPECIFICATIONS

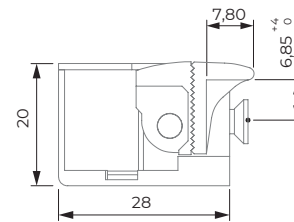
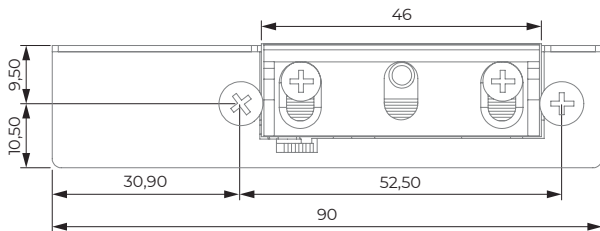
Type of installation	Flush-mounted
Reversible	Yes
Symmetrical	No
Height	90 mm
Width	20 mm
Depth	28 mm
Latch insertion depth	7.80 mm
Flex latch adjustment (F)	+4 -0 mm
Electrically tested cycles	200,000
Break-in resistance	2,950 N
Operating temperature	-25 / +50 °C



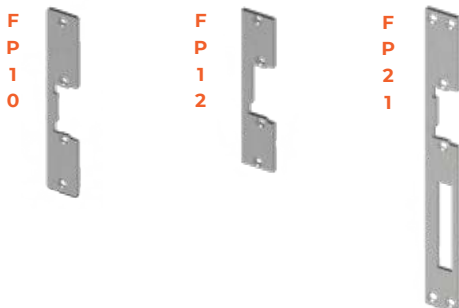
3 C 5 0 - 0 0 1 0  
EN 14846-2008 - System 1

### FUNCTIONS

Flex latch	Optional
Monoblock latch	Optional
Special jaw	No
Unlocking (D)	Optional
Microswitch (305)	Optional
Bidirectional diode	Optional



### RECOMMENDED FACEPLATES



### REGULATION

Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010



# MODELS

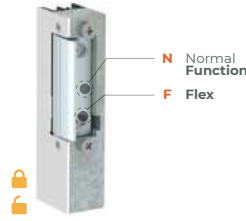
31 N



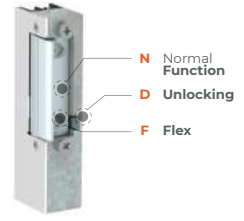
31 ND



31 NF



31 NDF



31 A



31 AD



31 AF



31 ADF



31 Aa



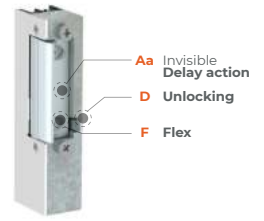
31 AaD



31 AaF



31 AaDF



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

# ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	6-12	8-12	12	24	12(412)	24(424)	12(512)	24(524)	
	AC-DC	AC-DC	AC-DC	AC-DC	DC	DC	DC	DC	
FUNCTIONMENT	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE		FAIL SECURE	FAIL SAFE	FAIL SAFE
					N	A			
COIL RESISTANCE (Ω)	8	17	30	58	68	58	220	68	230
ELECTRICAL DUTY CYCLE (%ED)	10%ED	20%ED	100%ED	20%ED	100%ED 12 VDC	100%ED 12 VDC	100%ED 24 VDC	100%ED 12 VDC	100%ED 24 VDC
AC CURRENT CONSUMPTION (mA)	565 (6 V) 1150 (12 V)	350 (8 V) 510 (12 V)	260	340	-	-	-	-	-
DC CURRENT CONSUMPTION (mA)	750 (6 V) 1500 (12 V)	490 (8 V) 715 (12 V)	380	410	180	210	120	190	110
MAX. PRELOAD OPEN AC (N)	100N (12 V)	-	-	-	-	-	-	-	-
MAX. PRELOAD OPEN DC (N)	-	-	-	-	-	-	-	-	-

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.

# DORCAS STANDARD

## 45 SERIES

Series 45 stands out due to being symmetrical and reversible.

It offers very good **funcionality and simplicity**, both for new installations and for refitting.



### INSTALLATION SPECIFICATIONS

Type of installation	Flush-mounted
Reversible	Yes
Symmetrical	Yes
Height	75 mm / 82.80 mm (305)
Width	21 mm
Depth	28 mm
Latch insertion depth	5.70 mm
Flex latch adjustment (F)	+4 -0 mm
Electrically tested cycles	200,000
Break-in resistance	3,300 N
Operating temperature	-25 / +50 °C

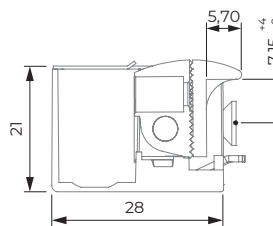
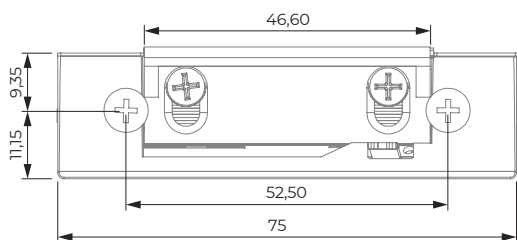


3	C	5	0	-	0	0	1	0
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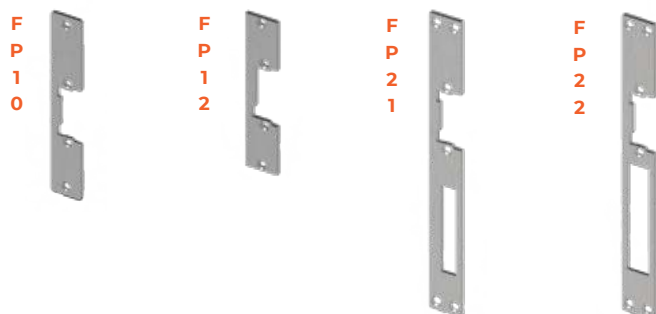
EN 14846-2008 - System 1

### FUNCTIONS

Flex latch	Yes
Monoblock latch	No
Special jaw	No
Unlocking (D)	Optional
Microswitch (305)	Optional
Bidirectional diode	Optional



### RECOMMENDED FACEPLATES

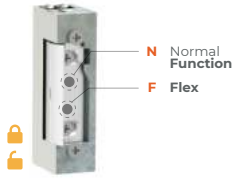


### REGULATION

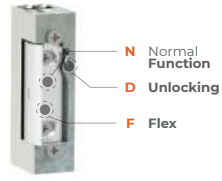
Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

## MODELS

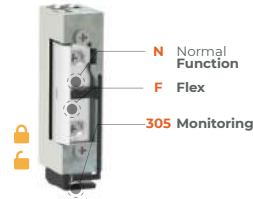
### 45 NF



### 45 NDF



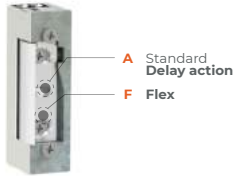
### 45 NF 305



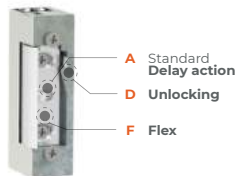
### 45 NDF 305



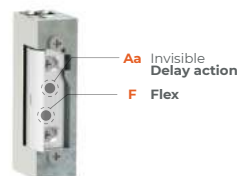
### 45 AF



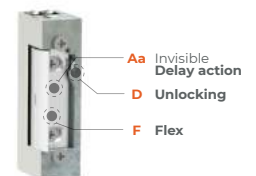
### 45 ADF



### 45 AaF



### 45 AaDF



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

## ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	10-24	6-12	8-12	24	12(412)	24(424)	12(512)	24(524)	
	AC-DC	AC-DC	AC-DC	AC-DC	DC	DC	DC	DC	
FUNCTIONMENT	FAIL SECURE		FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SAFE	FAIL SAFE	
	N	A - AB							
COIL RESISTANCE (Ω)	43	35	8	17	58	38	132	58	240
ELECTRICAL DUTY CYCLE (%ED)	100%ED 12 VDC	100%ED 12 VDC	10%ED	20%ED	20%ED	100%ED 12 VDC	100%ED 24 VDC	100%ED 12 VDC	100%ED 24 VDC
AC CURRENT CONSUMPTION (mA)	175 (10 V) 200 (12 V) 400 (24 V)	230 (10 V) 270 (12 V) 540 (24 V)	565 (6 V) 1150 (12 V) -	350 (8 V) 510 (12 V) -	340	-	-	-	-
DC CURRENT CONSUMPTION (mA)	240 (10 V) 280 (12 V) 570 (24 V)	290 (10 V) 350 (12 V) 690 (24 V)	750 (6 V) 1500 (12 V) -	490 (8 V) 715 (12 V) -	410	320	200	210	110
MAX. PRELOAD OPEN AC (N)	60N (12 V)	200N (12 V)	200N (12 V)	-	-	-	-	-	-
MAX. PRELOAD OPEN DC (N)	30N (12 V)	-	-	-	-	-	-	-	-

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.

# **DORCAS** STANDARD

## **54 SERIES**

In addition to being symmetrical and reversible its **small dimensions**, (67 mm high) make it ideal for both new construction and refitting in installations where the dimensions are small.

A version with an automatic sliding system (Ab) is available, which covers a wider operating range.



### INSTALLATION SPECIFICATIONS

Type of installation	Flush-mounted
Reversible	Yes
Symmetrical	Yes
Height	67 mm / 74.8 mm (305)
Width	21 mm
Depth	28 mm
Latch insertion depth	6 mm
Flex latch adjustment (F)	+4 -0 mm
Electrically tested cycles	200,000
Break-in resistance	3,250 N
Operating temperature	-25 / +50 °C

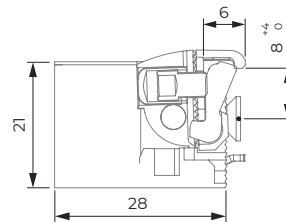
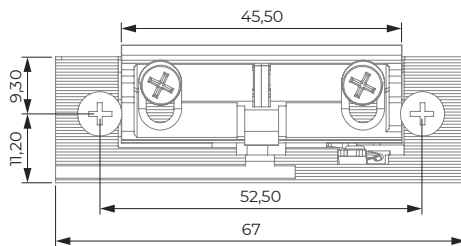


3	C	5	0	-	0	0	1	0
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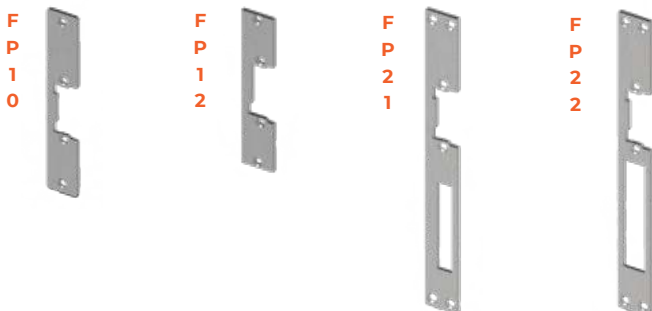
EN 14846-2008 - System 1

### FUNCTIONS

Flex latch	Yes
Monoblock latch	No
Special jaw	Optional
Unlocking (D)	Optional
Microswitch (305)	Optional
Bidirectional diode	Optional



### RECOMMENDED FACEPLATES

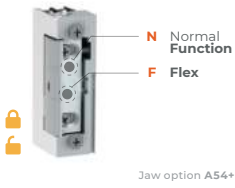


### REGULATION

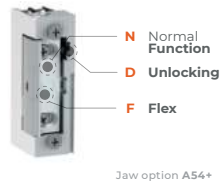
Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

## MODELS

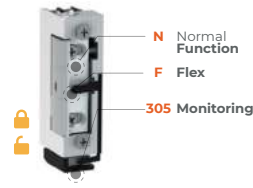
### 54 NF



### 54 NDF



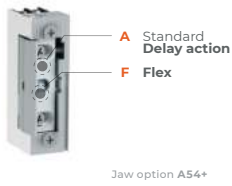
### 54 NF 305



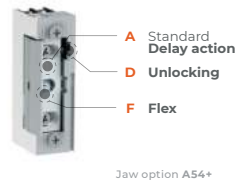
### 54 NDF 305



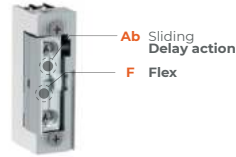
### 54 AF



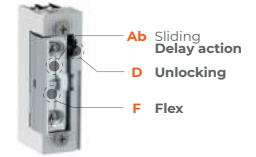
### 54 ADF



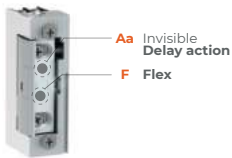
### 54 AbF



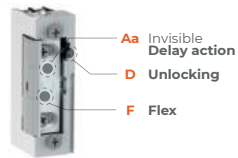
### 54 AbDF



### 54 AaF



### 54 AaDF



## SPECIAL JAWS



### A54+

Manufactured in NICKEL PLATED STEEL



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

## ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	10-24	6-12	8-12	24	12(412)	24(424)	12(512)	24(524)	
	AC-DC	AC-DC	AC-DC	AC-DC	DC	DC	DC	DC	
FUNCTIONMENT	FAIL SECURE		FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SAFE	FAIL SAFE	
	N	A - AB							
COIL RESISTANCE (Ω)	43	35	8	17	58	38	132	58	240
ELECTRICAL DUTY CYCLE (%ED)	100%ED 12 VDC	100%ED 12 VDC	10%ED	20%ED	20%ED	100%ED 12 VDC	100%ED 24 VDC	100%ED 12 VDC	100%ED 24 VDC
AC CURRENT CONSUMPTION (mA)	175 (10 V) 200 (12 V) 400 (24 V)	230 (10 V) 270 (12 V) 540 (24 V)	565 (6 V) 1150 (12 V) -	350 (8 V) 510 (12 V) -	340	-	-	-	-
DC CURRENT CONSUMPTION (mA)	240 (10 V) 280 (12 V) 570 (24 V)	290 (10 V) 350 (12 V) 690 (24 V)	750 (6 V) 1500 (12 V) -	490 (8 V) 715 (12 V) -	410	320	200	210	110
MAX. PRELOAD OPEN AC (N)	60N (12 V)		200N (12 V)	200N (12 V)	-	-	-	-	-
MAX. PRELOAD OPEN DC (N)	30N (12 V)		-	-	-	-	-	-	-

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.

# DORCAS

STANDARD

## 41 SERIES

**SMALL SIZE**

**Symmetrical** and reversible series. Its small dimensions allow it to be installed perfectly integrated in most **European profiles** both aluminium and PVC.



### INSTALLATION SPECIFICATIONS

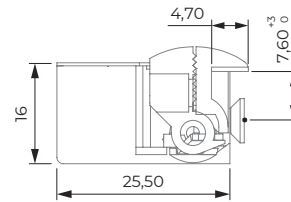
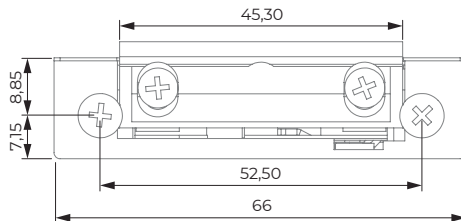
Type of installation	Flush-mounted
Reversible	Yes
Symmetrical	Yes
Height	66 mm
Width	16 mm
Depth	25,50 mm
Latch insertion depth	4,70 mm
Flex latch adjustment (F)	+3 -0 mm
Electrically tested cycles	200,000
Break-in resistance	2,950 N
Operating temperature	-25 / +50 °C



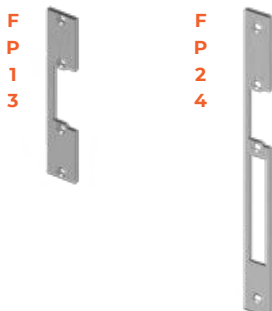
3 C 5 0 - 0 0 0 0  
EN 14846-2008 - System 1

### FUNCTIONS

Flex latch	Yes
Monoblock latch	No
Special jaw	No
Unlocking (D)	Optional
Microswitch (305)	No
Bidirectional diode	Optional



### RECOMMENDED FACEPLATES

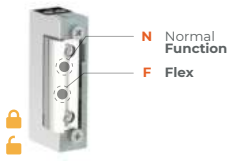


### REGULATION

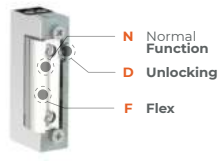
Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

# MODELS

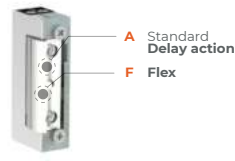
41 NF



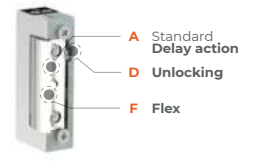
41 NDF



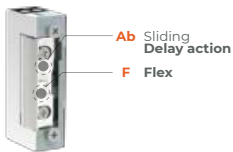
41 AF



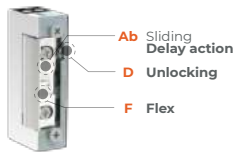
41 ADF



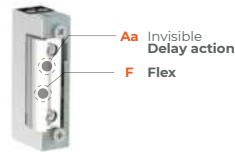
41 AbF



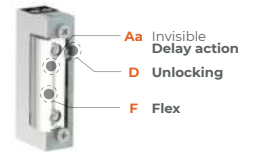
41 AbDF



41 AaF



41 AaDF



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

# ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	6-12	8-12	24	12(412)	24(424)	12(512)	24(524)
	AC-DC	AC-DC	AC-DC	DC	DC	DC	DC
FUNCTIONMENT	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SAFE	FAIL SAFE
COIL RESISTANCE (Ω)	8	17	58	30	132	58	230
ELECTRICAL DUTY CYCLE (%ED)	10%ED	20%ED	20%ED	100%ED 12 VDC	100%ED 24 VDC	100%ED 12 VDC	100%ED 24 VDC
AC CURRENT CONSUMPTION (mA)	565 (6 V) 1150 (12 V)	350 (8 V) 510 (12 V)	340	-	-	-	-
DC CURRENT CONSUMPTION (mA)	750 (6 V) 1500 (12 V)	490 (8 V) 715 (12 V)	410	400	200	210	110
MAX. PRELOAD OPEN AC (N)	200N (12 V)	200N (12 V)	-	-	-	-	-
MAX. PRELOAD OPEN DC (N)	-	-	-	-	-	-	-

Maximum coil tolerance 5%

%ED has been calculated in accordance with standard time of 10 minutes.

# DORCAS

STANDARD

## 42 SERIES

**Non-symmetrical series** specific for installation in profiles.

Its small dimensions (16.5 mm wide) allow it to be installed perfectly integrated in most **European profiles** both aluminium and PVC.



### INSTALLATION SPECIFICATIONS

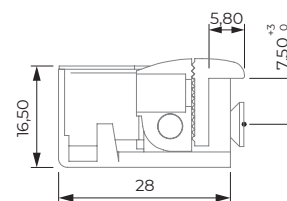
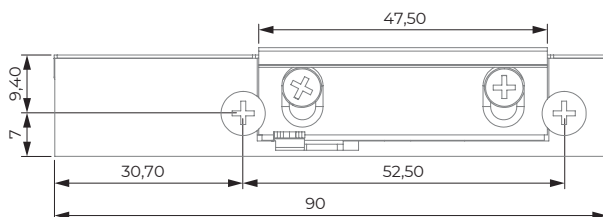
Type of installation	Flush-mounted
Reversible	Yes
Symmetrical	No
Height	90 mm
Width	16.50 mm
Depth	28 mm
Latch insertion depth	5.8 mm
Flex latch adjustment (F)	+3 -0 mm
Electrically tested cycles	200,000
Break-in resistance	2,450 N
Operating temperature	-25 / +50 °C



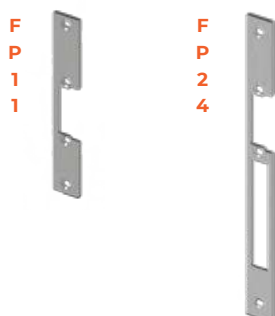
3 C 5 0 - 0 0 0 0  
EN 14846-2008 - System 1

### FUNCTIONS

Flex latch	Yes
Monoblock latch	No
Special jaw	No
Unlocking (D)	Optional
Microswitch (305)	No
Bidirectional diode	Optional



### RECOMMENDED FACEPLATES



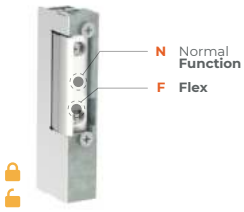
### REGULATION

Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

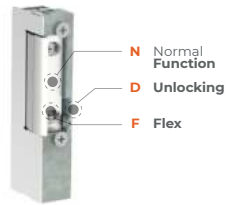


## MODELS

### 42 NF



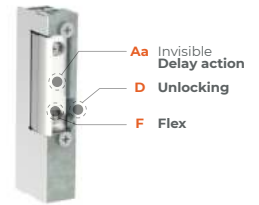
### 42 NDF



### 42 AaF



### 42 AaDF



NOTE: For this series of electric strike, hand selection must be made in accordance with regulation DIN 107 (Page 13).



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

## ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	6-12		8-12		12(412)		24(424)		12(512)		24(524)	
	AC-DC		AC-DC		DC		DC		DC		DC	
FUNCTIONMENT	FAIL SECURE	FAIL SECURE	FAIL SECURE				FAIL SECURE	FAIL SAFE	FAIL SAFE	FAIL SAFE	FAIL SAFE	FAIL SAFE
			N		A							
COIL RESISTANCE (Ω)	8	17	68	58	132	68	230					
ELECTRICAL DUTY CYCLE (%ED)	10%ED	20%ED	100%ED 12 VDC	100%ED 12 VDC	100%ED 24 VDC	100%ED 12 VDC	100%ED 24 VDC					
AC CURRENT CONSUMPTION (mA)	565 (6 V) 1150 (12 V)	350 (8 V) 510 (12 V)	-	-	-	-	-					
DC CURRENT CONSUMPTION (mA)	750 (6 V) 1500 (12 V)	490 (8 V) 715 (12 V)	180	210	200	190	110					
MAX. PRELOAD OPEN AC (N)	100N (12 V)	-	-	-	-	-	-					
MAX. PRELOAD OPEN DC (N)	-	-	-	-	-	-	-					

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.

# DORCAS STANDARD

## 43 SERIES

Derived from the 42 series, the 43 series maintains the main characteristics but is equipped with **radial latch**, which allows optimising the rotation of the latch and therefore a more aesthetic installation is achieved, as the door frame requires a smaller dimensioned cut-out.



### INSTALLATION SPECIFICATIONS

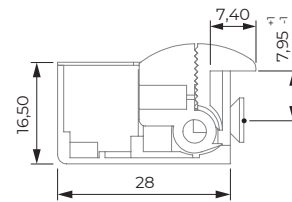
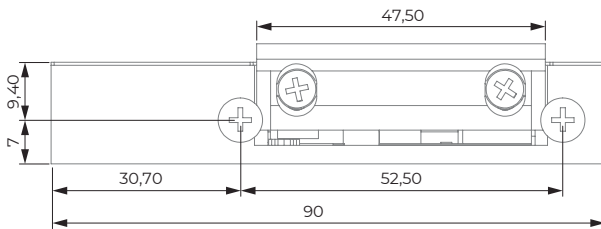
Type of installation	Flush-mounted
Reversible	Yes
Symmetrical	No
Height	90 mm
Width	16.50 mm
Depth	28 mm
Latch insertion depth	7.4 mm
Flex latch adjustment (F)	+1 -1 mm
Electrically tested cycles	200,000
Break-in resistance	2,750 N
Operating temperature	-25 / +50 °C



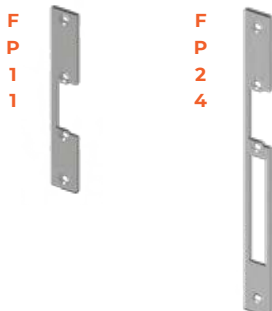
3 C 5 0 - 0 0 0 0  
EN 14846-2008 - System 1

### FUNCTIONS

Flex latch	Yes
Monoblock latch	No
Special jaw	No
Unlocking (D)	Optional
Microswitch (305)	No
Bidirectional diode	Optional



### RECOMMENDED FACEPLATES

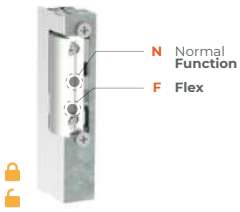


### REGULATION

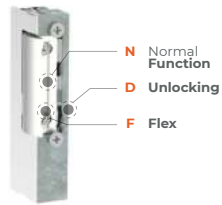
Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

# MODELS

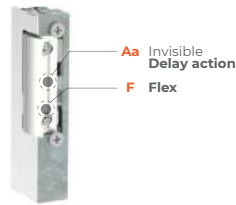
## 43 NF



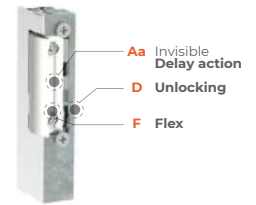
## 43 NDF



## 43 AaF



## 43 AaDF



NOTE: For this series of electric strike, hand selection must be made in accordance with regulation DIN 107 (Page 13).



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

# ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	6-12		8-12		12(412)		24(424)		12(512)		24(524)	
	AC-DC		AC-DC		DC		DC		DC		DC	
FUNCTIONMENT	FAIL SECURE	FAIL SECURE	FAIL SECURE				FAIL SECURE	FAIL SAFE	FAIL SAFE	FAIL SAFE	FAIL SAFE	FAIL SAFE
			N	A	A	A						
COIL RESISTANCE (Ω)	8	17	68	58	132	68	230					
ELECTRICAL DUTY CYCLE (%ED)	10%ED	20%ED	100%ED 12 VDC	100%ED 12 VDC	100%ED 24 VDC	100%ED 12 VDC	100%ED 24 VDC					
AC CURRENT CONSUMPTION (mA)	565 (6 V) 1150 (12 V)	350 (8 V) 510 (12 V)	-	-	-	-	-					
DC CURRENT CONSUMPTION (mA)	750 (6 V) 1500 (12 V)	490 (8 V) 715 (12 V)	180	210	200	190	110					
MAX. PRELOAD OPEN AC (N)	100N (12 V)	-	-	-	-	-	-					
MAX. PRELOAD OPEN DC (N)	-	-	-	-	-	-	-					

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.

# **DORCAS** STANDARD

## **44 SERIES**

Derived from the 45 series, the 44 series maintains the main characteristics but is equipped with **radial latch**, which allows optimising the rotation of the latch and therefore a more aesthetic installation is achieved, as the door frame requires a smaller dimensioned cut-out.



### INSTALLATION SPECIFICATIONS

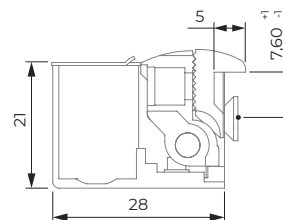
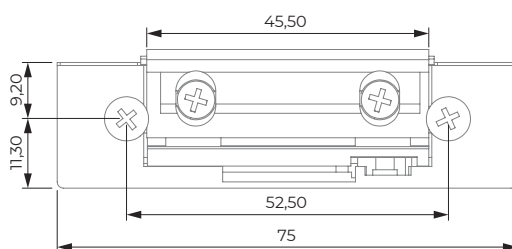
Type of installation	Flush-mounted
Reversible	Yes
Symmetrical	Yes
Height	67 mm
Width	21 mm
Depth	28 mm
Latch insertion depth	6 mm
Flex latch adjustment (F)	+4 -0 mm
Electrically tested cycles	200,000
Break-in resistance	3,250 N
Operating temperature	-25 / +50 °C



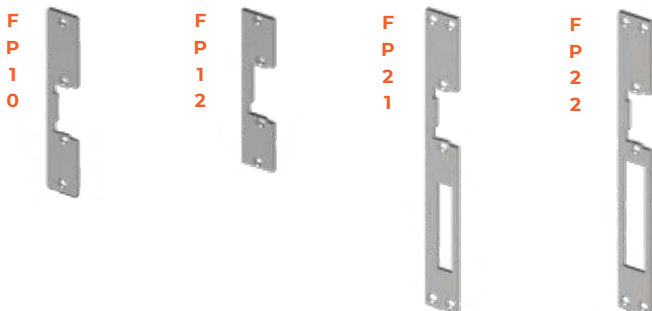
3 C 5 0 - 0 0 1 0 0  
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### FUNCTIONS

Flex latch	Yes
Monoblock latch	No
Special jaw	Optional
Unlocking (D)	Optional
Microswitch (305)	No
Bidirectional diode	Optional



### RECOMMENDED FACEPLATES

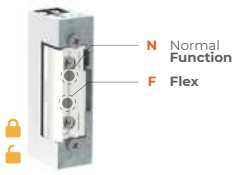


### REGULATION

Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

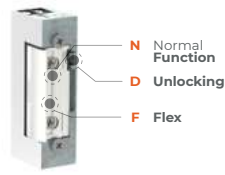
## MODELS

### 44 NF



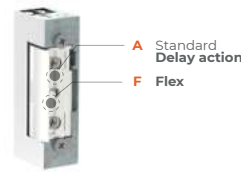
Jaw option A44 U2  
Jaw option A44 U2 0.5

### 44 NDF

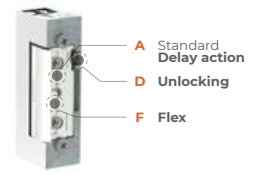


Jaw option A44 U2  
Jaw option A44 U2 0.5

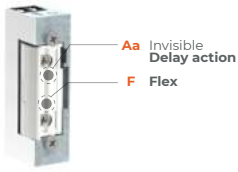
### 44 AF



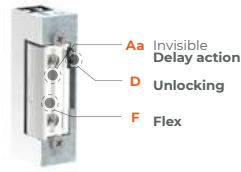
### 44 ADF



### 44 AaF



### 44 AaDF



## SPECIAL JAWS



### A44 U2

Manufactured in NICKEL PLATED STEEL



### A44 U2 0.5

Manufactured in NICKEL PLATED STEEL



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

## ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	10-24	6-12	8-12	24	12(412)	24(424)	12(512)	24(524)	
	AC-DC	AC-DC	AC-DC	AC-DC	DC	DC	DC	DC	
FUNCTIONMENT	FAIL SECURE		FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SAFE	FAIL SAFE	
	N	A - AB							
COIL RESISTANCE (Ω)	43	35	8	17	58	38	132	58	240
ELECTRICAL DUTY CYCLE (%ED)	100%ED 12 VDC	100%ED 12 VDC	10%ED	20%ED	20%ED	100%ED 12 VDC	100%ED 24 VDC	100%ED 12 VDC	100%ED 24 VDC
AC CURRENT CONSUMPTION (mA)	175 (10 V) 200 (12 V) 400 (24 V)	230 (10 V) 270 (12 V) 540 (24 V)	565 (6 V) 1150 (12 V) -	350 (8 V) 510 (12 V) -	340	-	-	-	-
DC CURRENT CONSUMPTION (mA)	240 (10 V) 280 (12 V) 570 (24 V)	290 (10 V) 350 (12 V) 690 (24 V)	750 (6 V) 1500 (12 V) -	490 (8 V) 715 (12 V) -	410	320	200	210	110
MAX. PRELOAD OPEN AC (N)	60N (12 V)		200N (12 V)	200N (12 V)	-	-	-	-	-
MAX. PRELOAD OPEN DC (N)	30N (12 V)		-	-	-	-	-	-	-

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.

# DORCAS

STANDARD

## 50 SERIES

Reinforced, symmetrical and reversible series. Its steel latch gives it a **breaking strength of 800 kg**, making it an excellent series for installations that require additional security, heavy doors or high traffic. It has a cable outlet to facilitate its installation.



**REINFORCED**

### INSTALLATION SPECIFICATIONS

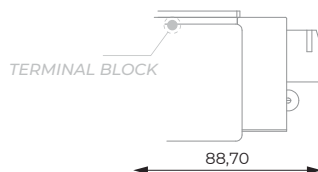
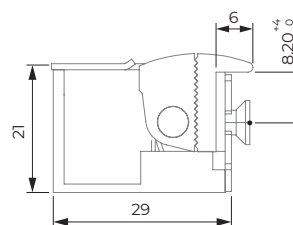
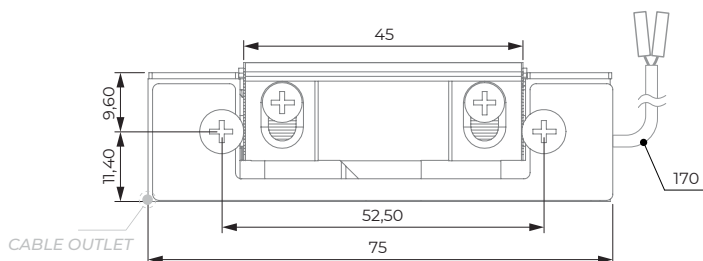
Type of installation	Flush-mounted
Reversible	Yes
Symmetrical	Yes
Height	75 / 88.70 (block) mm
Width	21 mm
Depth	29 mm
Latch insertion depth	6 mm
Flex latch adjustment (F)	+4 -0 mm
Electrically tested cycles	200,000
Break-in resistance	7,950 N
Operating temperature	-25 / +50 °C



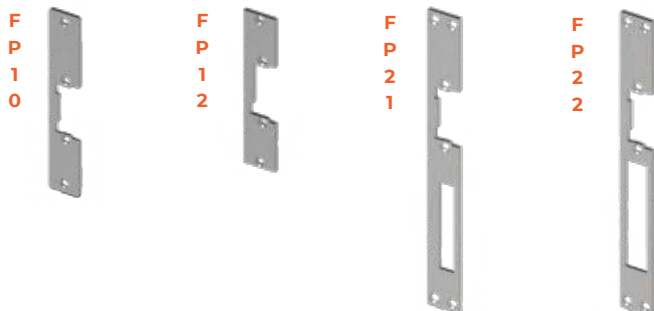
3 C 5 0 - 0 0 1 0  
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### FUNCTIONS

Flex latch	Optional
Monoblock latch	Optional
Special jaw	No
Unlocking (D)	Optional
Microswitch (305)	Optional
Bidirectional diode	Optional



### RECOMMENDED FACEPLATES

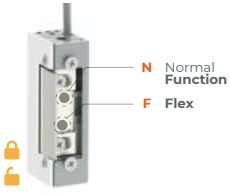


### REGULATION

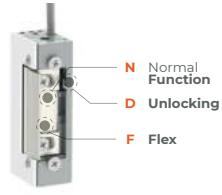
Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

## MODELS

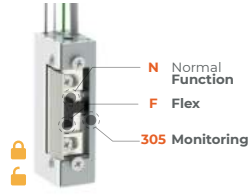
50 NF



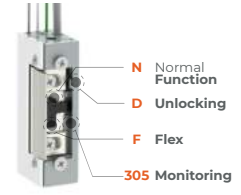
50 NDF



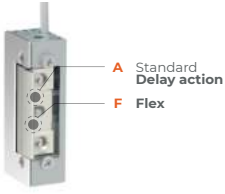
50 NF 305



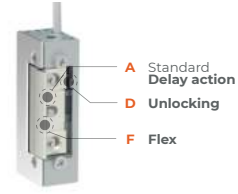
50 NDF 305



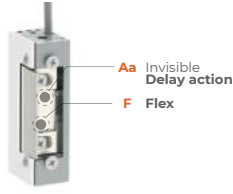
50 AF



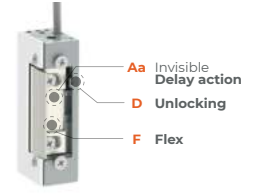
50 ADF



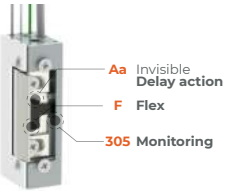
50 AaF



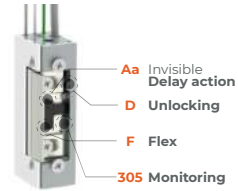
50 AaDF



50 AaF 305



50 AaDF 305



DORCAS offers in its 50 series the option of choosing the model with terminal block or cable outlet.



Terminal block

Cable outlet



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

## ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	10-24		6-12	8-12	24	24(424)	12(512)	24(524)
	AC-DC		AC-DC	AC-DC	AC-DC	DC	DC	DC
FUNCTIONMENT	FAIL SECURE		FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SAFE	FAIL SAFE
	N	A - AB						
COIL RESISTANCE (Ω)	43	38	8	17	58	132	63	230
ELECTRICAL DUTY CYCLE (%ED)	100%ED 12 VDC	100%ED 12 VDC	10%ED	20%ED	20%ED	100%ED 24 VDC	100%ED 12 VDC	100%ED 24 VDC
AC CURRENT CONSUMPTION (mA)	175 (10 V) 200 (12 V) 400 (24 V)	210 (10 V) 250 (12 V) 510 (24 V)	565 (6 V) 1150 (12 V) -	350 (8 V) 510 (12 V) -	340	-	-	-
DC CURRENT CONSUMPTION (mA)	240 (10 V) 280 (12 V) 570 (24 V)	270 (10 V) 320 (12 V) 650 (24 V)	750 (6 V) 1500 (12 V) -	490 (8 V) 715 (12 V) -	410	200	200	110
MAX. PRELOAD OPEN AC (N)	250N (12 V) 360N (24 V)		-	-	-	-	-	-
MAX. PRELOAD OPEN DC (N)	55N (12 V) 220N (24 V)		-	-	-	-	-	-

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.

- 20 SERIES** VISIBLE ON THE FRAME.....PAGE 40-41
- 21 SERIES** CONCEALED ON THE FRAME.....PAGE 42-43
- 27 SERIES** UNIVERSAL REVERSIBLE BOLTLESS.....PAGE 44-45
- INGERSOLL SERIES** FOR INGERSOLL TYPE LOCKS.....PAGE 46-47
- 80 SERIES** FOR SURFACE LOCKS WITH PULL HANDLE.....PAGE 48-49







**DORCAS** 

**RIM WITHOUT LATCH**

Ideal series to combine with rim without latch. Are installed directly on the surface of the frame.



# DORCAS

## 20 SERIES

RIM WITHOUT LATCH

Reversible series for surface-mounted installations.

Ideal for combining with surface-mounted rim without latch. Are installed directly on the surface of the frame leaving the **screws visible**.



### INSTALLATION SPECIFICATIONS

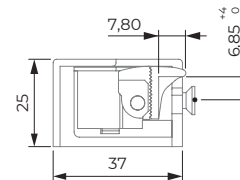
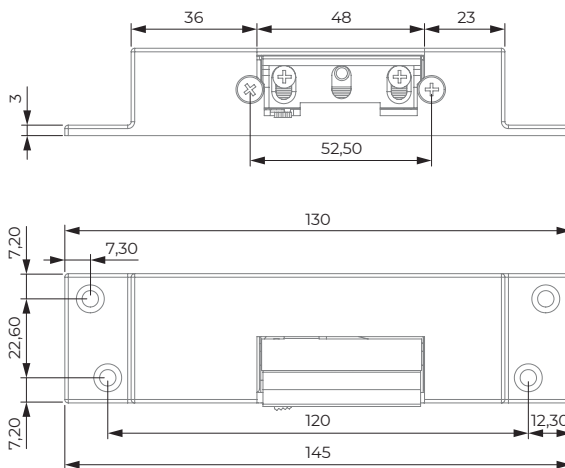
Type of installation	Surface-mounted
Reversible	Yes
Symmetrical	No
Height	145 mm
Width	37 mm
Depth	25 mm
Latch insertion depth	7.8 mm / 11.80 mm (Monoblock)
Flex latch adjustment (F)	+4 -0 mm
Electrically tested cycles	200,000
Break-in resistance	3,000 N
Operating temperature	-25 / +50 °C



3 C 5 0 - 0 0 1 0  
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### FUNCTIONS

Flex latch	Optional
Monoblock latch	Optional
Special jaw	No
Unlocking (D)	Optional
Microswitch (305)	No
Bidirectional diode	Optional



### FINISHES

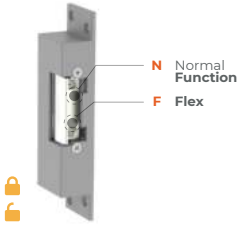


### REGULATION

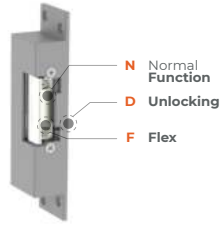
Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

## MODELS

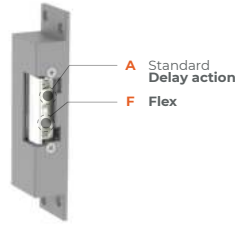
### 20 NF



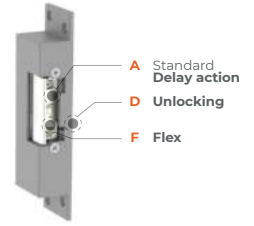
### 20 NDF



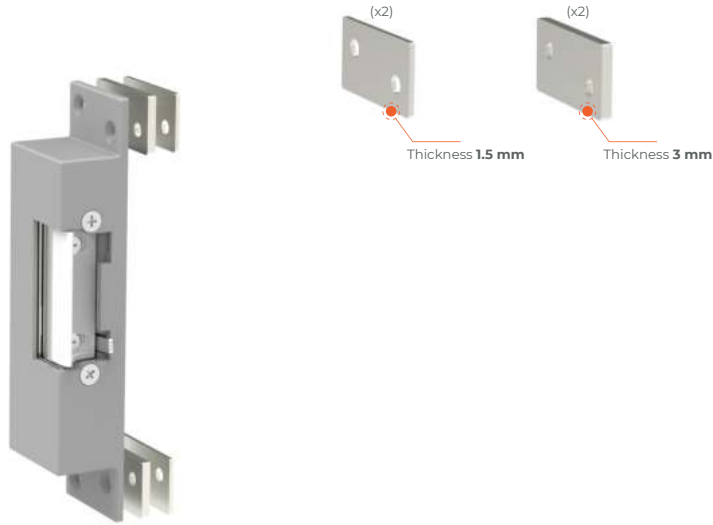
### 20 AF



### 20 ADF



The DORCAS 20 series incorporates 4 supplements to be added to the installation if necessary.



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

## ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	6-12	8-12	12	24	12(412)	24(424)	12(512)	24(524)	
	AC-DC	AC-DC	AC-DC	AC-DC	DC	DC	DC	DC	
FUNCTIONMENT	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE		FAIL SECURE	FAIL SAFE	FAIL SAFE
					N	A			
COIL RESISTANCE (Ω)	8	17	30	58	68	58	220	68	230
ELECTRICAL DUTY CYCLE (%ED)	10%ED	20%ED	100%ED	20%ED	100%ED 12 VDC	100%ED 12 VDC	100%ED 24 VDC	100%ED 12 VDC	100%ED 24 VDC
AC CURRENT CONSUMPTION (mA)	565 (6 V) 1150 (12 V)	350 (8 V) 510 (12 V)	260	340	-	-	-	-	-
DC CURRENT CONSUMPTION (mA)	750 (6 V) 1500 (12 V)	490 (8 V) 715 (12 V)	380	410	180	210	120	190	110
MAX. PRELOAD OPEN AC (N)	100N (12 V)	-	-	-	-	-	-	-	-
MAX. PRELOAD OPEN DC (N)	-	-	-	-	-	-	-	-	-

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.

# DORCAS

## 21 SERIES

RIM WITHOUT LATCH



Reversible series for surface-mounted installations.

Ideal for combining with surface-mounted rim without latch. Despite being a flush-mounted series, the **screws are concealed** when fitted.

### INSTALLATION SPECIFICATIONS

Type of installation	Surface-mounted
Reversible	Yes
Symmetrical	No
Height	107 mm
Width	25 mm / 52 mm
Depth	37 mm
Latch insertion depth	7.8 mm / 11.80 mm (Monoblock)
Flex latch adjustment (F)	+4 -0 mm
Electrically tested cycles	200,000
Break-in resistance	3,000 N
Operating temperature	-25 / +50 °C

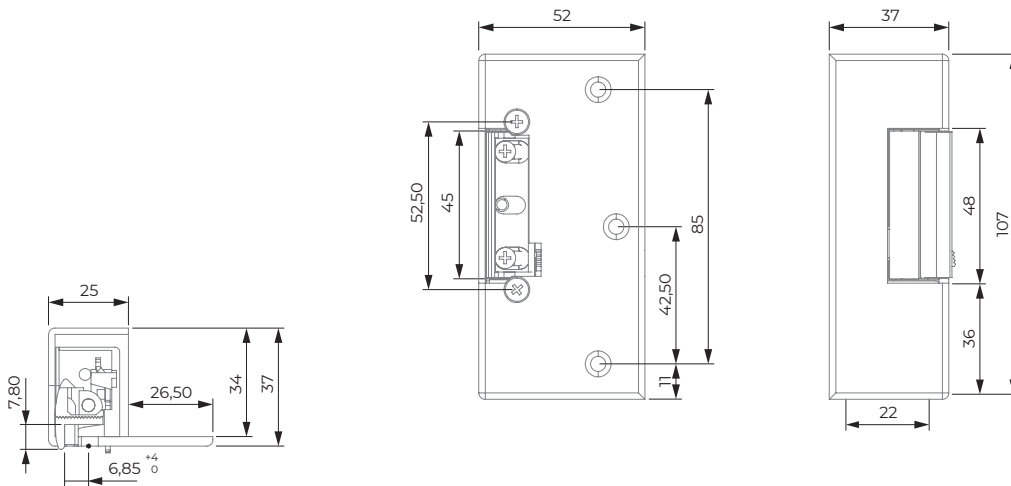


3	C	5	0	-	0	0	1	0
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### FUNCTIONS

Flex latch	Optional
Monoblock latch	Optional
Special jaw	No
Unlocking (D)	Optional
Microswitch (305)	No
Bidirectional diode	Optional



### FINISHES

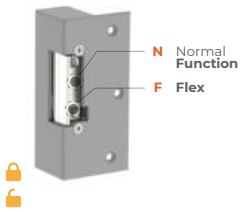


### REGULATION

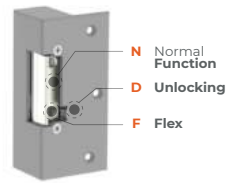
Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

## MODELS

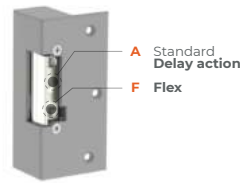
### 21 NF



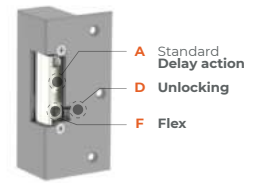
### 21 NDF



### 21 AF



### 21 ADF



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

## ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	6-12	8-12	12	24	12(412)	24(424)	12(512)	24(524)	
	AC-DC	AC-DC	AC-DC	AC-DC	DC	DC	DC	DC	
FUNCTIONMENT	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE		FAIL SECURE	FAIL SAFE	FAIL SAFE
					N	A			
COIL RESISTANCE ( $\Omega$ )	8	17	30	58	68	58	220	68	230
ELECTRICAL DUTY CYCLE (%ED)	10%ED	20%ED	100%ED	20%ED	100%ED 12 VDC	100%ED 12 VDC	100%ED 24 VDC	100%ED 12 VDC	100%ED 24 VDC
AC CURRENT CONSUMPTION (mA)	565 (6 V) 1150 (12 V)	350 (8 V) 510 (12 V)	260	340	-	-	-	-	-
DC CURRENT CONSUMPTION (mA)	750 (6 V) 1500 (12 V)	490 (8 V) 715 (12 V)	380	410	180	210	120	190	110
MAX. PRELOAD OPEN AC (N)	100N (12 V)	-	-	-	-	-	-	-	-
MAX. PRELOAD OPEN DC (N)	-	-	-	-	-	-	-	-	-

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.

# DORCAS

## 27 SERIES

RIM WITHOUT LATCH

SURFACE-MOUNTED OR FLUSH-MOUNTED

Reversible series for surface-mounted installations. Unlike the 21 series, the casing is divided into two parts to enable its installation, **both surface-mounted and flush-mounted**, adding a faceplate only.

Ideal for combining with rim without latch. Despite being a surface-mounted series, the screws are concealed when fitted.



### INSTALLATION SPECIFICATIONS

Type of installation	Surface-Mounted / Flush-Mounted
Reversible	Yes
Symmetrical	No
Height	107 mm
Width	25 mm / 52 mm
Depth	37 mm
Latch insertion depth	7.8 mm / 11.80 mm (Monoblock)
Flex latch adjustment (F)	+4 -0 mm
Electrically tested cycles	200,000
Break-in resistance	3,000 N
Operating temperature	-25 / +50 °C

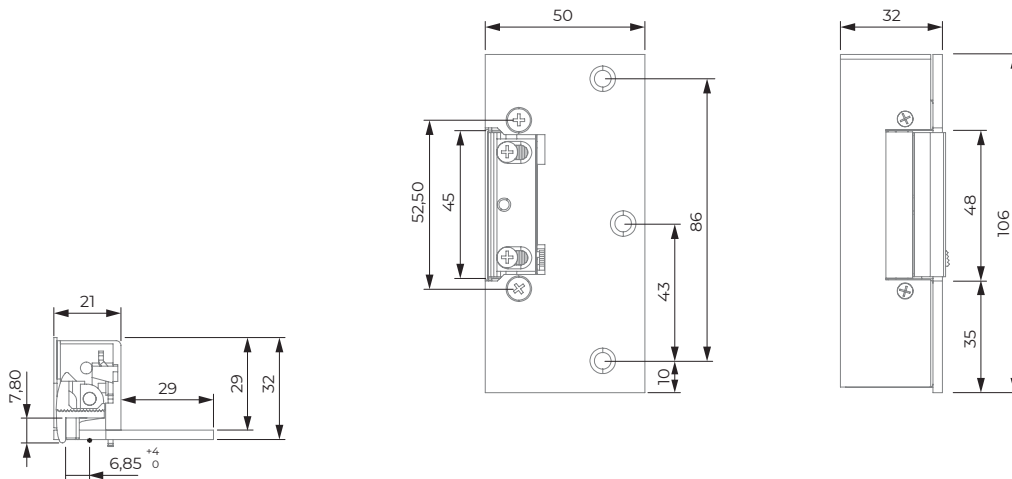


3	C	5	0	-	0	0	1	0
---	---	---	---	---	---	---	---	---

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### FUNCTIONS

Flex latch	Optional
Monoblock latch	Optional
Special jaw	No
Unlocking (D)	Optional
Microswitch (305)	No
Bidirectional diode	Optional

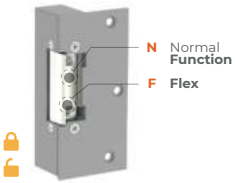


### REGULATION

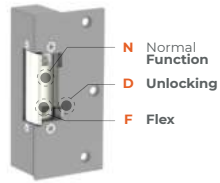
Electromagnetic compatibility	Directive 2014/30/EU
RAEE	RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

## MODELS

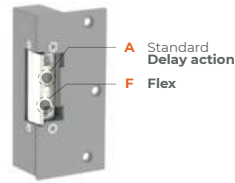
### 27 NF



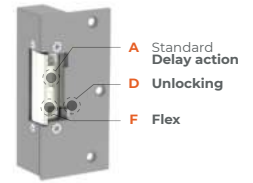
### 27 NDF



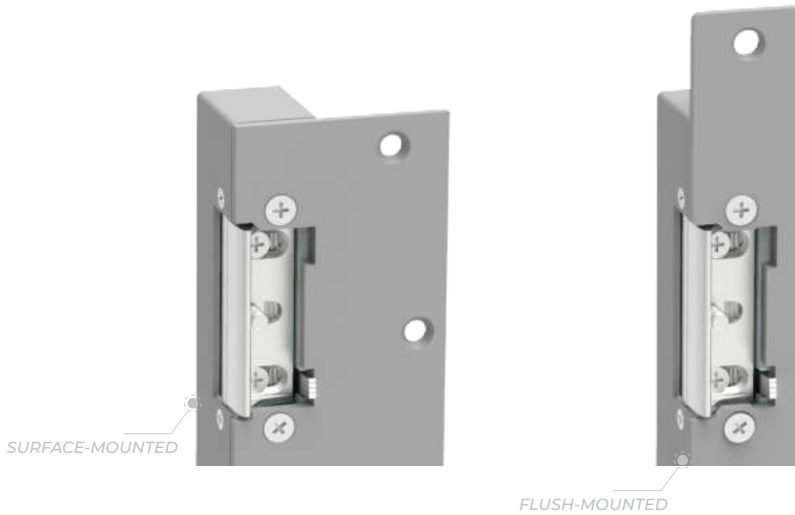
### 27 AF



### 27 ADF



The casing that incorporates the 27 series is divided into two pieces. With this design we can install the electric strike when we keep the casing, and when we detach the casing we have a flush-mounted strike, to which we would have to add an faceplate to complete the installation.



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

## ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	6-12	8-12	12	24	12(412)	24(424)	12(512)	24(524)	
	AC-DC	AC-DC	AC-DC	AC-DC	DC	DC	DC	DC	
FUNCTIONMENT	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE		FAIL SECURE	FAIL SAFE	FAIL SAFE
					N	A			
COIL RESISTANCE (Ω)	8	17	30	58	68	58	220	68	230
ELECTRICAL DUTY CYCLE (%ED)	10%ED	20%ED	100%ED	20%ED	100%ED 12 VDC	100%ED 12 VDC	100%ED 24 VDC	100%ED 12 VDC	100%ED 24 VDC
AC CURRENT CONSUMPTION (mA)	565 (6 V) 1150 (12 V)	350 (8 V) 510 (12 V)	260	340	-	-	-	-	-
DC CURRENT CONSUMPTION (mA)	750 (6 V) 1500 (12 V)	490 (8 V) 715 (12 V)	380	410	180	210	120	190	110
MAX. PRELOAD OPEN AC (N)	100N (12 V)	-	-	-	-	-	-	-	-
MAX. PRELOAD OPEN DC (N)	-	-	-	-	-	-	-	-	-

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.

# DORCAS

RIM WITHOUT LATCH

## INGERSOLL SERIES

Series developed specifically for automatic locking doors, interior or exterior, fitted with **Ingersoll SC-71 type locks**.



### INSTALLATION SPECIFICATIONS

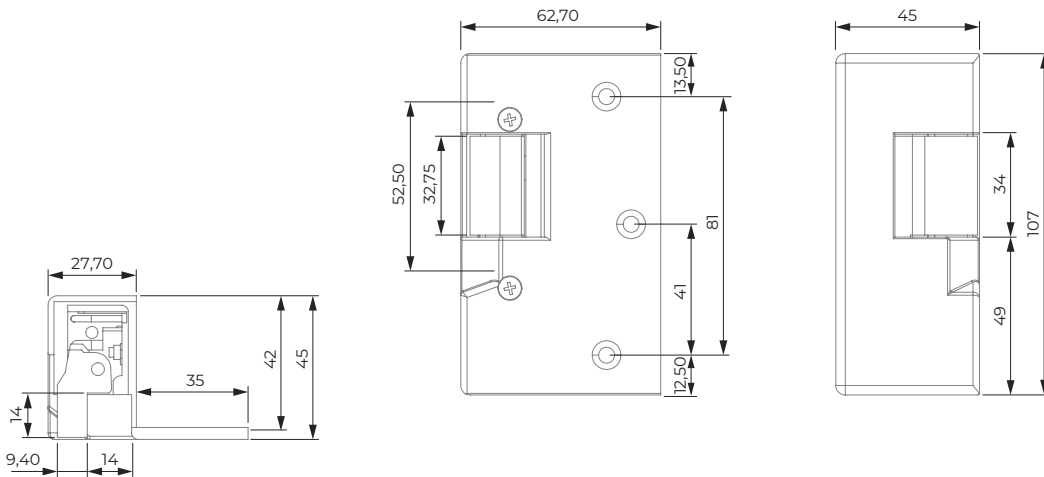
Type of installation	Surface-mounted
Reversible	Yes
Symmetrical	No
Height	107 mm
Width	27.70 mm / 62.70 mm
Depth	45 mm
Latch insertion depth	14 mm
Flex latch adjustment (F)	0 mm
Electrically tested cycles	200,000
Break-in resistance	2,950 N
Operating temperature	-25 / +50 °C



3 C 5 0 - 0 0 0 0  
EN 14846-2008 - System 1

### FUNCTIONS

Flex latch	No
Monoblock latch	Yes
Special jaw	No
Unlocking (D)	No
Microswitch (305)	No
Bidirectional diode	Optional



### FINISHES



PLATED



BROWN

### REGULATION

Electromagnetic compatibility	Directive 2014/30/EU
RAEE	RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010



## MODELS

### INGERSOLL N



**INGERSOLL™ SC71** Ingersoll cylinder locks combine the security of 10 levers with exceptional style. The bolt is automatically actuated when the door is closed and is withdrawn by means of the inside lever or the outside key. The handle is locked with an additional turn of the key from the outside. The bolt can be held back by means of a twist lock on the side of the case.



## ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	6-12	8-12	24	12(412)	24(424)	12(512)	24(524)
	AC-DC	AC-DC	AC-DC	DC	DC	DC	DC
FUNCTIONMENT	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SAFE	FAIL SAFE
COIL RESISTANCE ( $\Omega$ )	8	17	58	68	220	68	230
ELECTRICAL DUTY CYCLE (%ED)	10%ED	20%ED	20%ED	100%ED 12 VDC	100%ED 24 VDC	100%ED 12 VDC	100%ED 24 VDC
AC CURRENT CONSUMPTION (mA)	565 (6 V) 1150 (12 V)	350 (8 V) 510 (12 V)	340	-	-	-	-
DC CURRENT CONSUMPTION (mA)	750 (6 V) 1500 (12 V)	490 (8 V) 715 (12 V)	410	180	120	190	110
MAX. PRELOAD OPEN AC (N)	100N (12 V)	-	-	-	-	-	-
MAX. PRELOAD OPEN DC (N)	-	-	-	-	-	-	-

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.

# DORCAS

## 80 SERIES

RIM WITHOUT LATCH

Strike with chain. The best solution to quickly and cost-effectively automate the opening doors fitted with **surface locks with pull handle**.



### INSTALLATION SPECIFICATIONS

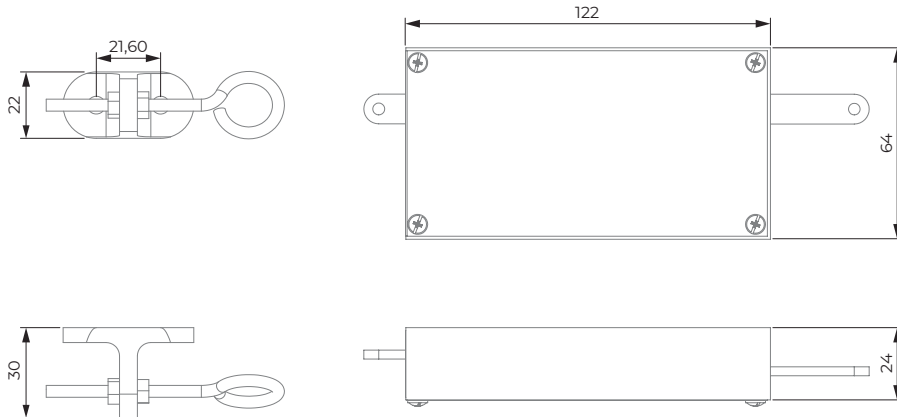
Type of installation	Surface-mounted
Reversible	Yes
Symmetrical	No
Height	64.3 mm
Width	122 mm
Depth	24.3 mm
Latch insertion depth	-
Flex latch adjustment (F)	-
Electrically tested cycles	250,000
Break-in resistance	2,950 N
Operating temperature	-25 / +50 °C



3 C 5 0 - 0 0 0 0  
EN 14846-2008 - System 1

### FUNCTIONS

Flex latch	No
Monoblock latch	No
Special jaw	No
Unlocking (D)	No
Microswitch (305)	No
Bidirectional diode	Optional

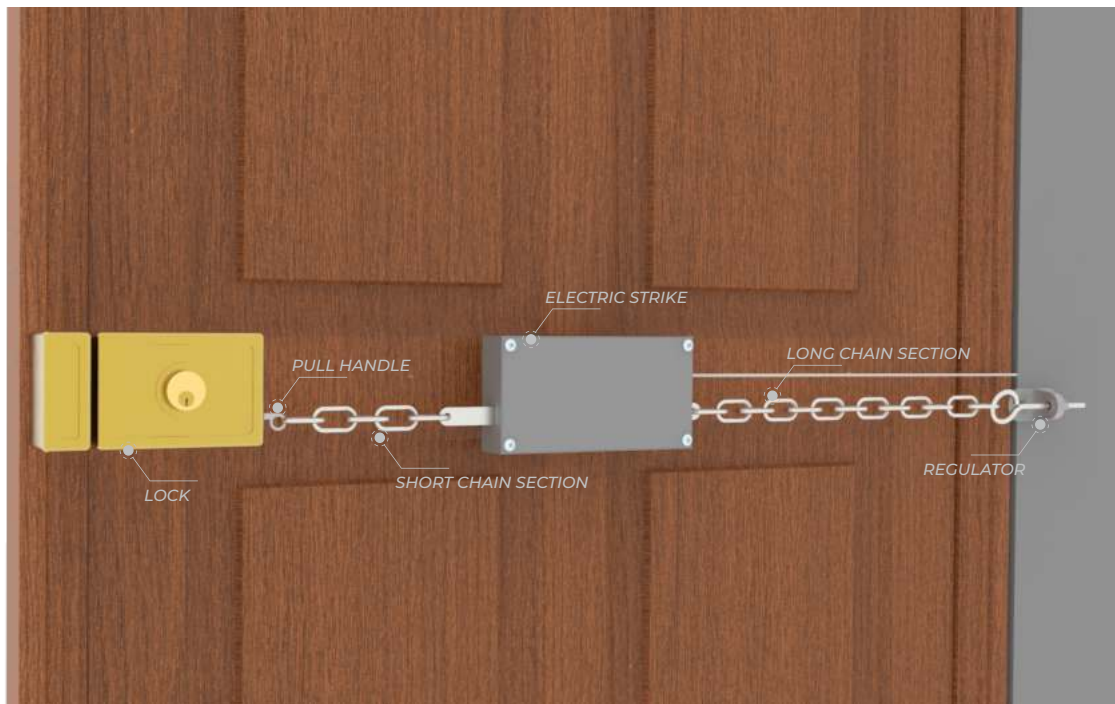
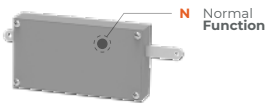


### REGULATION

Electromagnetic compatibility	Directive 2014/30/EU
RAEE	RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

## MODELS

80 N



## ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	8-12 AC
FUNCTIONMENT	FAIL SECURE
COIL RESISTANCE ( $\Omega$ )	8
ELECTRICAL DUTY CYCLE (%ED)	20%ED
AC CURRENT CONSUMPTION (mA)	800 (8 V) 1200 (12 V)
DC CURRENT CONSUMPTION (mA)	-
MAX. PRELOAD OPEN AC (N)	-
MAX. PRELOAD OPEN DC (N)	-

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.

<b>23 SERIES</b>	REVERSIBLE FOR VERTICAL LOCKS.....	PAGE 52-53
<b>24 SERIES</b>	REVERSIBLE FOR HORIZONTAL LOCKS.....	PAGE 54-55
<b>25 SERIES</b>	FOR BOLT TYPE 125.....	PAGE 56-57
<b>26 SERIES</b>	FOR BOLT TYPE 56.....	PAGE 58-59
<b>66 SERIES</b>	UNIVERSAL REVERSIBLE WITH BOLT.....	PAGE 60-61





# DORCAS

## RIM WITH LATCH



Ideal series to combine with rim with latch. Are installed directly on the surface of the frame.



# DORCAS

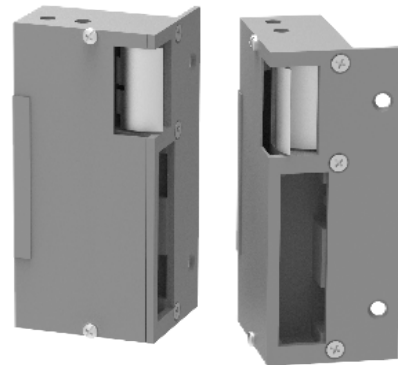
## 23 SERIES

RIM WITH LATCH

REVERSIBLE

120 mm surface-mounted strikes with concealed fastening for vertical bolt locks with bolt of thickness 20 mm.

Weather resistant and therefore can be placed outdoors.



### INSTALLATION SPECIFICATIONS

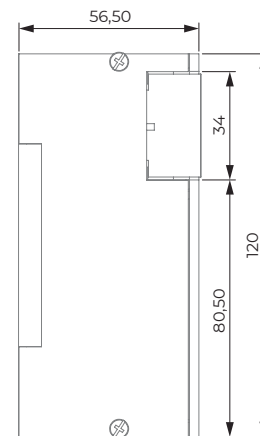
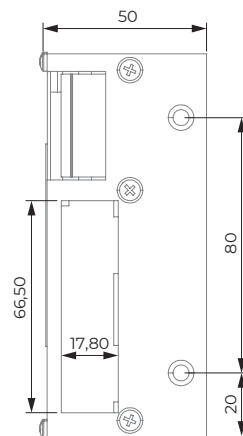
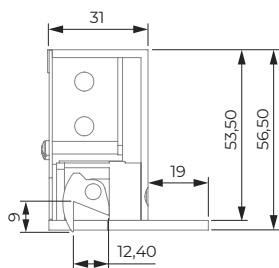
Type of installation	Surface-mounted
Reversible	Yes
Symmetrical	No
Height	120 mm
Width	50 mm / 31 mm
Depth	56.50 mm / 53.50 mm
Latch insertion depth	9 mm
Flex latch adjustment (F)	0 mm
Electrically tested cycles	200,000
Break-in resistance	3,000 N
Operating temperature	-25 / +50 °C



3 C 5 0 - 0 0 0 0  
EN 14846-2008 - System 1

### FUNCTIONS

Flex latch	No
Monoblock latch	Yes
Special jaw	No
Unlocking (D)	No
Microswitch (305)	No
Bidirectional diode	Optional



### FINISHES

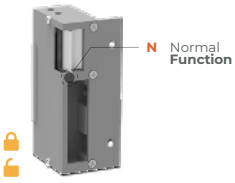


### REGULATION

Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

# MODELS

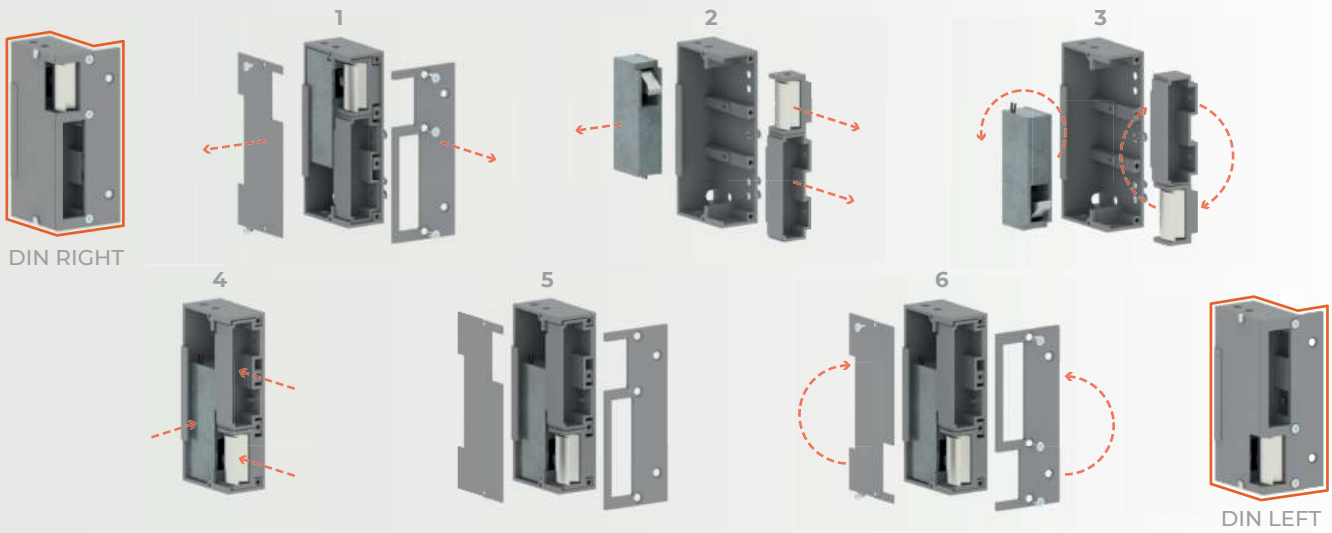
23 N




23 Aa



The 23 series is **reversible**, for the change of hand we have to follow some simple steps:



 For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

## ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	8-12	12-24	12(412)	24(424)	12(512)	24(524)
	AC-DC	AC-DC	DC	DC	DC	DC
FUNCTIONMENT	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SAFE	FAIL SAFE
COIL RESISTANCE (Ω)	17	30	70	220	70	230
ELECTRICAL DUTY CYCLE (%ED)	20% ED	20% ED	100% ED 12 VDC	100% ED 24 VDC	100% ED 12 VDC	100% ED 24 VDC
AC CURRENT CONSUMPTION (mA)	350 (8V) 510 (12V)	500 (12V) 1000 (24V)	-	-	-	-
DC CURRENT CONSUMPTION (mA)	490 (8V) 715 (12V)	600 (12V) 1100 (24V)	180	120	180	110
MAX. PRELOAD OPEN AC (N)	-	90	-	-	-	-
MAX. PRELOAD OPEN DC (N)	-	10	-	-	-	-

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.

# DORCAS

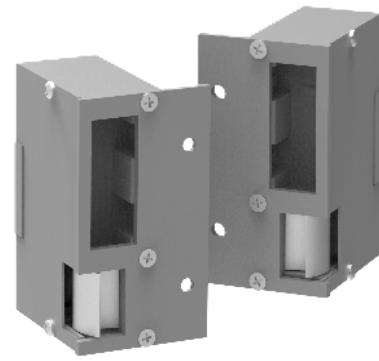
## 24 SERIES

RIM WITH LATCH

REVERSIBLE

90 mm surface-mounted strikes with concealed fastening for horizontal bolt locks with bolt of thickness 20 mm.

Weather resistant and therefore can be placed outdoors.



### INSTALLATION SPECIFICATIONS

Type of installation	Surface-mounted
Reversible	Yes
Symmetrical	No
Height	90 mm
Width	50 mm / 31 mm
Depth	56.50 mm / 53.50 mm
Latch insertion depth	9 mm
Flex latch adjustment (F)	0 mm
Electrically tested cycles	200,000
Break-in resistance	3,000 N
Operating temperature	-25 / +50 °C

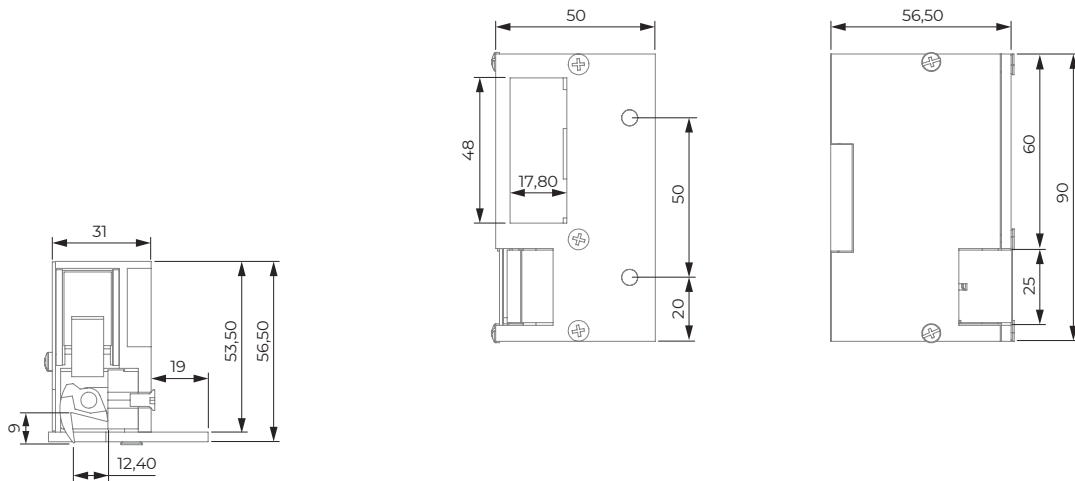


3 C 5 0 - 0 0 0 0

EN 14846-2008 - System 1

### FUNCTIONS

Flex latch	No
Monoblock latch	Yes
Special jaw	No
Unlocking (D)	No
Microswitch (305)	No
Bidirectional diode	Optional



### FINISHES



GREY

BLACK

BROWN

### REGULATION

Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

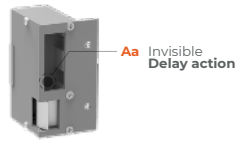


## MODELS

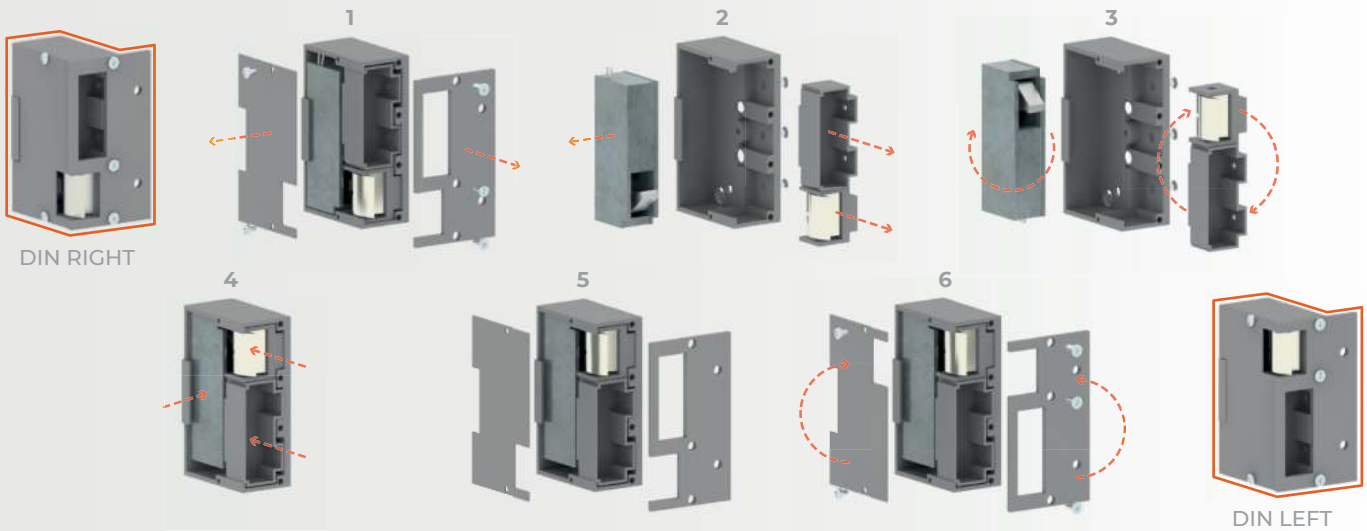
24 N



24 Aa



The 24 series is **reversible**, for the change of hand we have to follow some simple steps:



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

## ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	8-12	12-24	12(412)	24(424)	12(512)	24(524)
	AC-DC	AC-DC	DC	DC	DC	DC
FUNCTIONMENT	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SAFE	FAIL SAFE
COIL RESISTANCE (Ω)	17	30	70	220	70	230
ELECTRICAL DUTY CYCLE (%ED)	20% ED	20% ED	100% ED 12 VDC	100% ED 24 VDC	100% ED 12 VDC	100% ED 24 VDC
AC CURRENT CONSUMPTION (mA)	350 (8V) 510 (12V)	500 (12V) 1000 (24V)	-	-	-	-
DC CURRENT CONSUMPTION (mA)	490 (8V) 715 (12V)	600 (12V) 1100 (24V)	180	120	180	110
MAX. PRELOAD OPEN AC (N)	-	90	-	-	-	-
MAX. PRELOAD OPEN DC (N)	-	10	-	-	-	-

Maximum coil tolerance 5%.

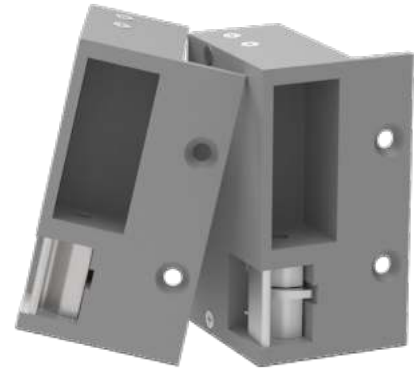
%ED has been calculated in accordance with standard time of 10 minutes.

# DORCAS

## 25 SERIES

RIM WITH LATCH

Series for surface-mounted installations. Ideal for combining with surface-mounted **horizontal locks** with **bolt type 125**. Despite being a surface-mounted series, the screws are concealed when fitted.



### INSTALLATION SPECIFICATIONS

Type of installation	Surface-mounted
Reversible	No
Symmetrical	No
Height	90 mm
Width	50 mm / 31 mm
Depth	52 mm / 49 mm
Latch insertion depth	8.2 mm
Flex latch adjustment (F)	0 mm
Electrically tested cycles	200,000
Break-in resistance	3,000 N
Operating temperature	-25 / +50 °C

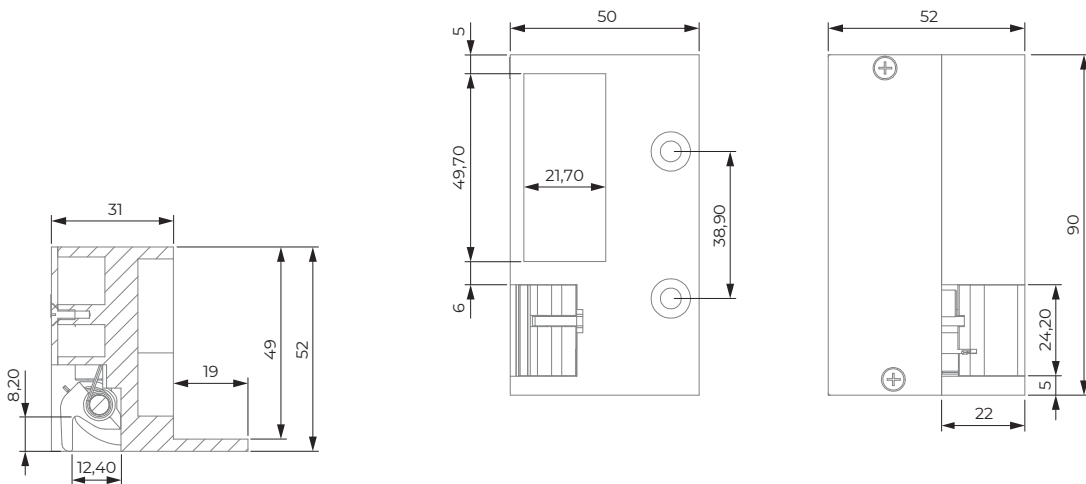


3	C	5	0	-	0	0	0	0
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EN 14846-2008 - System 1

### FUNCTIONS

Flex latch	No
Monoblock latch	Yes
Special jaw	No
Unlocking (D)	No
Microswitch (305)	No
Bidirectional diode	Optional



### FINISHES



GREY



BLACK



BROWN

### REGULATION

Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

## MODELS

### 25 N



### 25 A



NOTE: For this series of electric strike, hand selection must be made in accordance with regulation DIN 107 (Page 13).



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

## ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	6-12	8-12	12-24	12(412)	24(424)	12(512)	24(524)
	AC-DC	AC-DC	AC-DC	DC	DC	DC	DC
FUNCTIONMENT	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SAFE	FAIL SECURE	FAIL SAFE	FAIL SAFE
COIL RESISTANCE (Ω)	8	17	30	68	230	68	230
ELECTRICAL DUTY CYCLE (%ED)	10%ED	20%ED	20%ED	100%ED 12 VDC	100%ED 24 VDC	100%ED 12 VDC	100%ED 24 VDC
AC CURRENT CONSUMPTION (mA)	565 (6 V) 1150 (12 V)	350 (8 V) 510 (12 V)	500 (12 V) 1000 (24 V)	-	-	-	-
DC CURRENT CONSUMPTION (mA)	750 (6 V) 1500 (12 V)	490 (8 V) 715 (12 V)	600 (12 V) 1100 (24 V)	190	110	190	110
MAX. PRELOAD OPEN AC (N)	100	-	90	-	-	-	-
MAX. PRELOAD OPEN DC (N)	-	-	10	-	-	-	-

Maximum coil tolerance 5%.

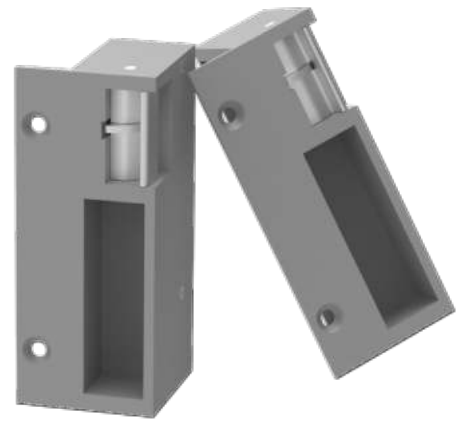
%ED has been calculated in accordance with standard time of 10 minutes.

# DORCAS

## 26 SERIES

RIM WITH LATCH

Series for surface-mounted installations. Ideal for combining with surface-mounted **vertical locks** with **bolt type 56**. Despite being a surface-mounted series, the screws are concealed when fitted.



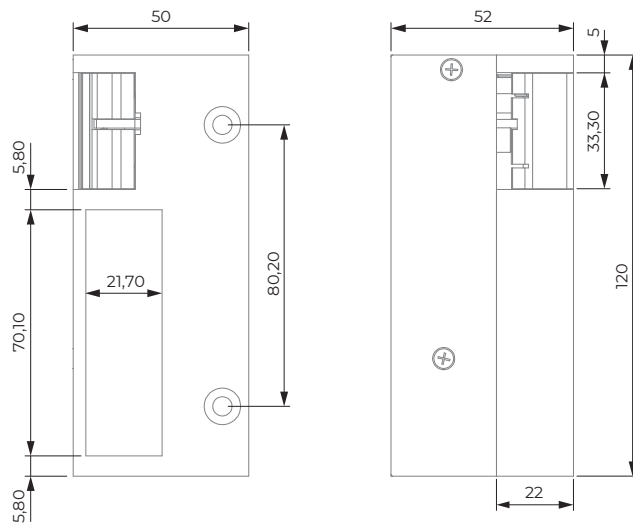
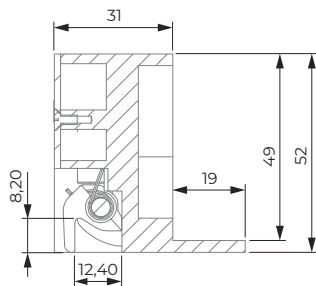
3 C 5 0 - 0 0 0 0  
EN 14846-2008 - System 1

### INSTALLATION SPECIFICATIONS

Type of installation	Surface-mounted
Reversible	No
Symmetrical	No
Height	96 mm
Width	54 mm / 33 mm
Depth	54 mm / 51 mm
Latch insertion depth	8.2 mm
Flex latch adjustment (F)	0 mm
Electrically tested cycles	200,000
Break-in resistance	3,000 N
Operating temperature	-25 / +50 °C

### FUNCTIONS

Flex latch	No
Monoblock latch	Yes
Special jaw	No
Unlocking (D)	No
Microswitch (305)	No
Bidirectional diode	Optional



### FINISHES

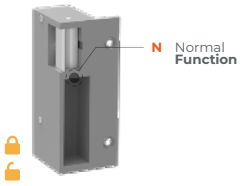


### REGULATION

Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

## MODELS

26 N



26 A



NOTE: For this series of electric strike, hand selection must be made in accordance with regulation DIN 107 (Page 13).



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

## ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	6-12	8-12	12-24	12(412)	24(424)	12(512)	24(524)
	AC-DC	AC-DC	AC-DC	DC	DC	DC	DC
FUNCTIONMENT	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SAFE	FAIL SECURE	FAIL SAFE	FAIL SAFE
COIL RESISTANCE (Ω)	8	17	30	68	230	68	230
ELECTRICAL DUTY CYCLE (%ED)	10%ED	20%ED	20%ED	100%ED 12 VDC	100%ED 24 VDC	100%ED 12 VDC	100%ED 24 VDC
AC CURRENT CONSUMPTION (mA)	565 (6 V) 1150 (12 V)	350 (8 V) 510 (12 V)	500 (12 V) 1000 (24 V)	-	-	-	-
DC CURRENT CONSUMPTION (mA)	750 (6 V) 1500 (12 V)	490 (8 V) 715 (12 V)	600 (12 V) 1100 (24 V)	190	110	190	110
MAX. PRELOAD OPEN AC (N)	100	-	90	-	-	-	-
MAX. PRELOAD OPEN DC (N)	-	-	10	-	-	-	-

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.

# DORCAS

## 66 SERIES

RIM WITH LATCH

UNIVERSAL REVERSIBLE

Reversible **universal** series for surface-mounted installations.

It stands out for its great versatility, as it is compatible with the majority of surface-mounted locks on the market.



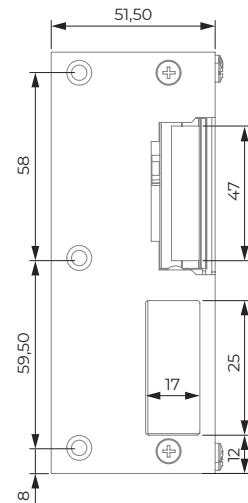
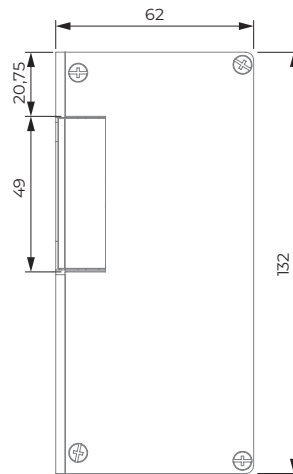
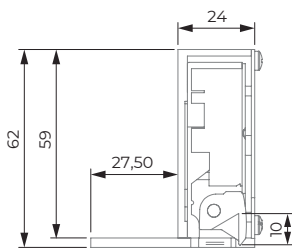
3 C 5 0 - 0 0 0 0  
EN 14846-2008 - System 1

### INSTALLATION SPECIFICATIONS

Type of installation	Surface-mounted
Reversible	Yes
Symmetrical	No
Height	132 mm
Width	51.50 mm / 24.10 mm
Depth	62 mm / 59 mm
Latch insertion depth	10 mm
Flex latch adjustment (F)	0 mm
Electrically tested cycles	250,000
Break-in resistance	2,950 N
Operating temperature	-25 / +50 °C

### FUNCTIONS

Flex latch	No
Monoblock latch	Yes
Special jaw	No
Unlocking (D)	Yes
Microswitch (305)	No
Bidirectional diode	Optional



### FINISHES

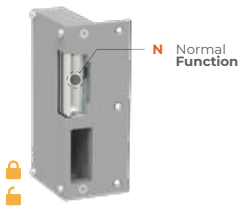


### REGULATION

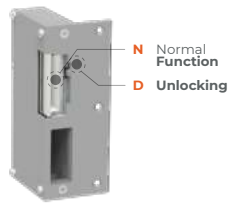
Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

## MODELS

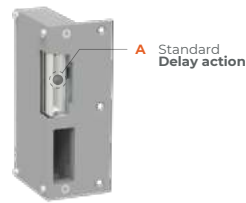
66 N



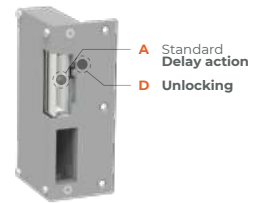
66 ND



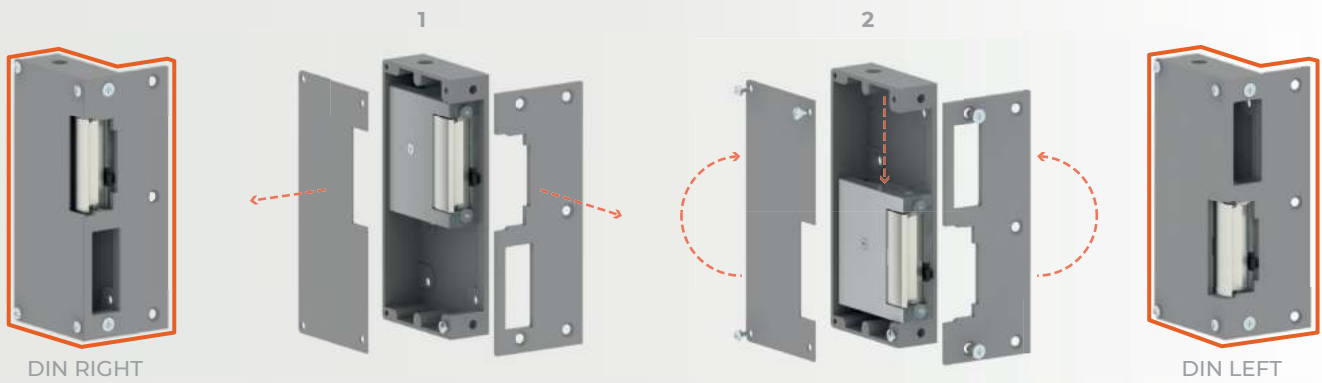
66 A



66 AD



The 66 series is **reversible universal**, is compatible with most locks on the market and to carry out the change of hand we have to follow some simple steps:



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

## ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	6-12	8-12	24	12(412)	24(424)	12(512)	24(524)
	AC-DC	AC-DC	AC-DC	DC	DC	DC	DC
FUNCTIONMENT	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SAFE	FAIL SAFE
COIL RESISTANCE (Ω)	8	17	58	68	220	68	230
ELECTRICAL DUTY CYCLE (%ED)	10%ED	20%ED	20%ED	100%ED 12 VDC	100%ED 24 VDC	100%ED 12 VDC	100%ED 24 VDC
AC CURRENT CONSUMPTION (mA)	565 (6 V) 1150 (12 V)	350 (8 V) 510 (12 V)	340	-	-	-	-
DC CURRENT CONSUMPTION (mA)	750 (6 V) 1500 (12 V)	490 (8 V) 715 (12 V)	410	210	120	190	110
MAX. PRELOAD OPEN AC (N)	100N (12 V)	-	-	-	-	-	-
MAX. PRELOAD OPEN DC (N)	-	-	-	-	-	-	-

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.

**NEW** **89 SERIES** ELECTRIC OR MANUAL OPENING.....PAGE 64-65







# **DORCAS**

## **SLIDING DOORS**

Installing sliding doors is becoming more and more common, which is why DORCAS incorporates a range of specific strikes for such installations.



# DORCAS

## 89 SERIES

SLIDING DOORS

Specific series for **sliding door or sliders**. Easy to install and operate.  
As well as the electrical actuation, it also allows manual opening with a key cylinder.

Electrical operation can be fail safe or fail secure.



### INSTALLATION SPECIFICATIONS

Type of installation	Flush-mounted / Surface-mounted
Reversible	Yes
Symmetrical	No
Height (Mechanical)	100 mm
Height (Electrical)	100 mm / 180 mm (SLIM)
Width (Mechanical)	20 mm
Width (Electrical)	20 mm
Depth (Mechanical)	35 mm
Depth (Electrical)	51 mm / 35 mm (SLIM)
Electrically tested cycles	200,000
Break-in resistance	7,950 N
Operating temperature	-25 / +50 °C

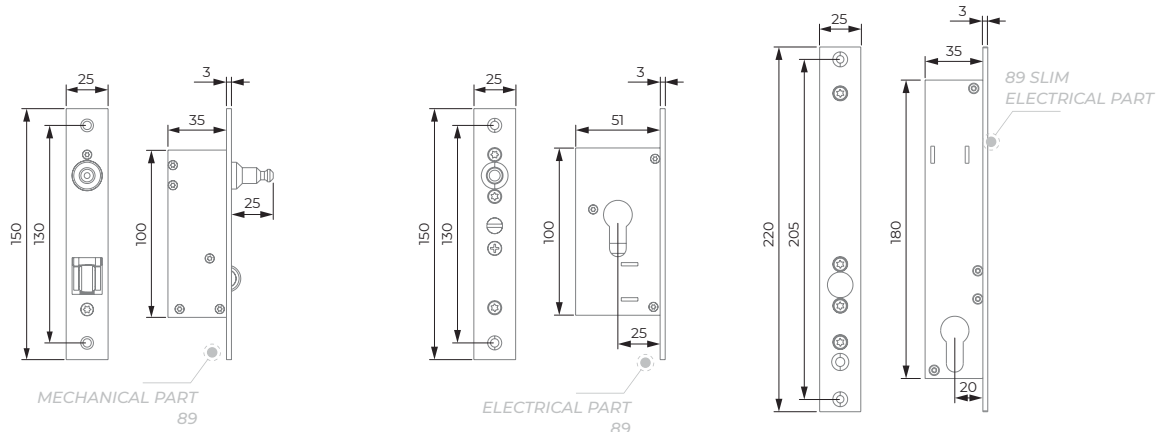


3	C	5	0	-	0	0	0	0
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EN 14846-2008 - System 1

### FUNCTIONS

Flex latch	No
Monoblock latch	No
Special jaw	No
Unlocking (D)	Optional
Microswitch (305)	No
Bidirectional diode	Optional



### SURFACE-MOUNTED CASING

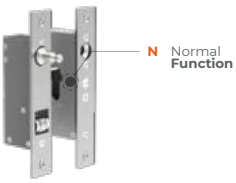
DORCAS has surface-mounted casings, both for the normal version and for the slim version.

### REGULATION

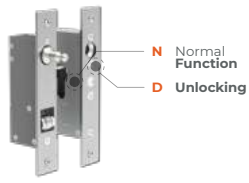
Electromagnetic compatibility	Directive 2014/30/EU
RAEE	RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

**MODELS**

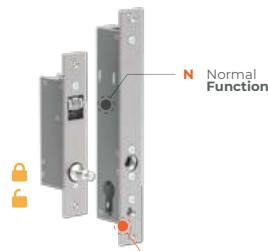
**89 N**



**89 ND**



**89 N SLIM**



DORCAS provides or offers or counts with a **slim** version, which is dimensionally suitable (35 mm deep) for aluminium profiles with narrow frames.



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

**ELECTRICAL SPECIFICATIONS**

**89**

VOLTAGE RANGE	12	24
	AC-DC	AC-DC
FUNCTIONMENT	FAIL SECURE	FAIL SECURE
COIL RESISTANCE (Ω)	17	58
ELECTRICAL DUTY CYCLE (%ED)	20%ED	20%ED
AC CURRENT CONSUMPTION (mA)	525	340
DC CURRENT CONSUMPTION (mA)	700	410
MAX. PRELOAD OPEN AC (N)	-	-
MAX. PRELOAD OPEN DC (N)	-	-

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.

**89 SLIM**

VOLTAGE RANGE	12	24	12(512)	24(524)
	AC-DC	AC-DC	DC	DC
FUNCTIONMENT	FAIL SECURE	FAIL SECURE	FAIL SAFE	FAIL SAFE
COIL RESISTANCE (Ω)	17	58	34	150
ELECTRICAL DUTY CYCLE (%ED)	20%ED	20%ED	100%ED 12 VDC	100%ED 24 VDC
AC CURRENT CONSUMPTION (mA)	525	340	-	-
DC CURRENT CONSUMPTION (mA)	700	410	360	160
MAX. PRELOAD OPEN AC (N)	-	-	-	-
MAX. PRELOAD OPEN DC (N)	-	-	4000	4000

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.

**34 SERIES** TO BE INCORPORATED IN FITTING.....PAGE 68-69

**83 SERIES** FOR DOUBLE-LEAF GLASS DOORS.....PAGE 70-71

**87 SERIES** FOR GLASS DOORS WITH FRAME.....PAGE 72-73





# **DORCAS**

## **GLASS DOORS**

Our series of special strikes for glass doors, models for 1 or 2 leaves.  
From strikes that are installed in the frame to strikes that are installed  
directly on the door leaf.



# DORCAS

## 34 SERIES

GLASS DOORS

Symmetrical and reversible series. Its **small and special dimensions** make it a specific series to be incorporated in fitting for glass doors.



### INSTALLATION SPECIFICATIONS

Type of installation	Flush-mounted
Reversible	Yes
Symmetrical	Yes
Height	64 mm
Width	28.20 mm
Depth	55 mm
Latch insertion depth	10 mm
Flex latch adjustment (F)	0 mm
Electrically tested cycles	200,000
Break-in resistance	3,250 N
Operating temperature	-25 / +50 °C

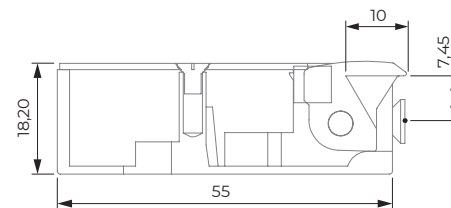
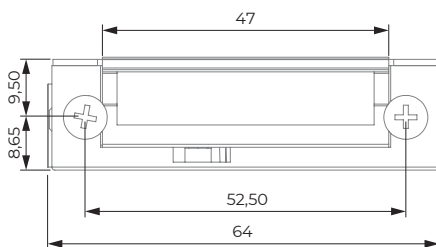


3	C	5	0	-	0	0	0	0
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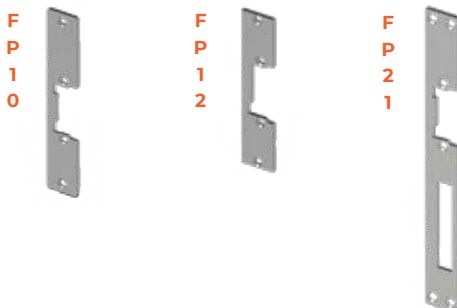
EN 14846-2008 - System 1

### FUNCTIONS

Flex latch	No
Monoblock latch	Yes
Special jaw	No
Unlocking (D)	Optional
Microswitch (305)	No
Bidirectional diode	Optional



### RECOMMENDED FACEPLATES



### REGULATION

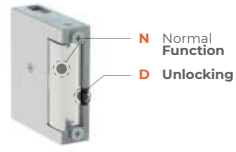
Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

## MODELS

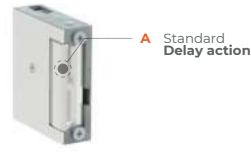
### 34 N



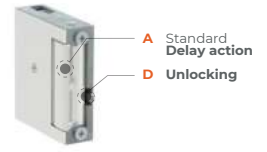
### 34 ND



### 34 A



### 34 AD



The 34 series is ideal to be incorporated in fitting for glass doors:



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

## ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	6-12	8-12	24	12(412)	24(424)	12(512)	24(524)
	AC-DC	AC-DC	AC-DC	DC	DC	DC	DC
FUNCTIONMENT	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SAFE	FAIL SAFE
COIL RESISTANCE (Ω)	8	17	58	68	220	68	230
ELECTRICAL DUTY CYCLE (%ED)	10%ED	20%ED	20%ED	100%ED 12 VDC	100%ED 24 VDC	100%ED 12 VDC	100%ED 24 VDC
AC CURRENT CONSUMPTION (mA)	565 (6 V) 1150 (12 V)	350 (8 V) 510 (12 V)	340	-	-	-	-
DC CURRENT CONSUMPTION (mA)	750 (6 V) 1500 (12 V)	490 (8 V) 715 (12 V)	410	210	120	190	110
MAX. PRELOAD OPEN AC (N)	100N (12 V)	-	-	-	-	-	-
MAX. PRELOAD OPEN DC (N)	-	-	-	-	-	-	-

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.

# DORCAS

## 83 SERIES

GLASS DOORS

Special series that offers a unique solution for **double leaf glass doors**. It consists of a mechanical lock and an electric strike which are surface mounted by inserting the glass leaf (up to 12 mm thick). In addition to the electric opening, it allows a handle to be installed on the inside of the mechanical part.



### INSTALLATION SPECIFICATIONS

Type of installation	Surface-mounted
Reversible	Yes
Symmetrical	No
Height	190 mm
Width	27 mm / 45 mm
Depth	45,50 mm
Latch insertion depth	7.80 mm
Flex latch adjustment (F)	+4 -0 mm
Electrically tested cycles	200,000
Break-in resistance	2,950 N
Operating temperature	-25 / +50 °C

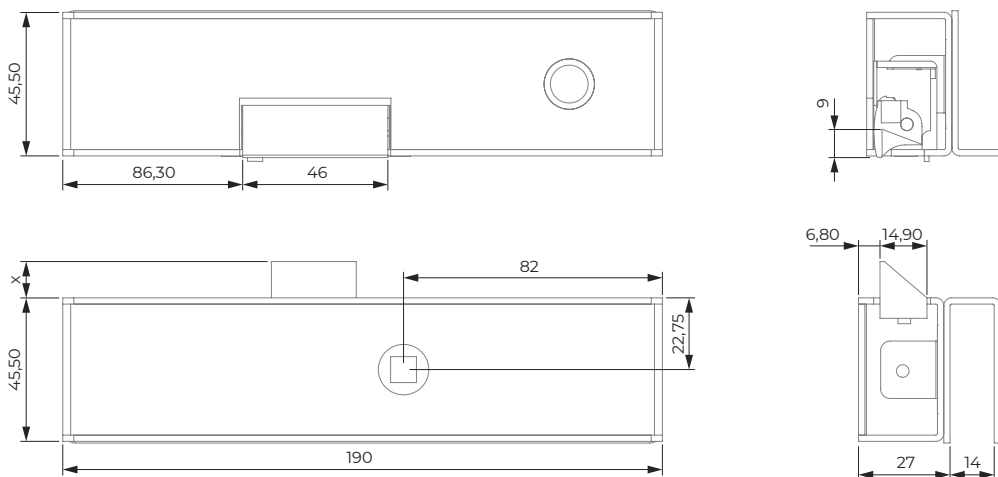


3	C	5	0	-	0	0	0	0
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EN 14846-2008 - System 1

### FUNCTIONS

Flex latch	Optional
Monoblock latch	Optional
Special jaw	No
Unlocking (D)	Optional
Microswitch (305)	No
Bidirectional diode	Optional



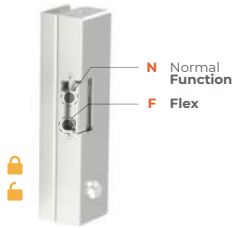
### REGULATION

Electromagnetic compatibility	Directive 2014/30/EU
RAEE	RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

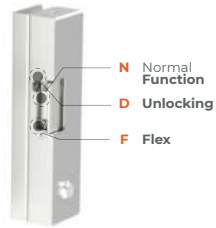


## MODELS

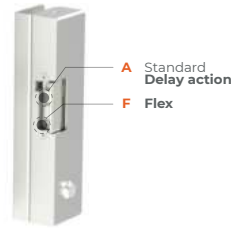
### 83 NF



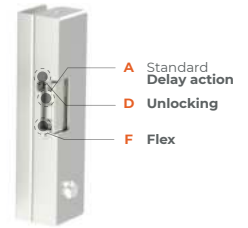
### 83 NDF



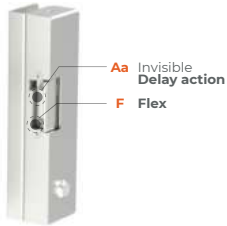
### 83 AF



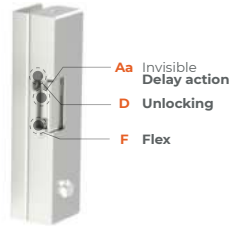
### 83 ADF



### 83 AaF



### 83 AaDF



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

## ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	6-12	8-12	24	12(412)	24(424)	12(512)	24(524)
	AC-DC	AC-DC	AC-DC	DC	DC	DC	DC
FUNCTIONMENT	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SAFE	FAIL SAFE
COIL RESISTANCE (Ω)	8	17	58	68	220	68	230
ELECTRICAL DUTY CYCLE (%ED)	10%ED	20%ED	20%ED	100%ED 12 VDC	100%ED 24 VDC	100%ED 12 VDC	100%ED 24 VDC
AC CURRENT CONSUMPTION (mA)	565 (6 V) 1150 (12 V)	350 (8 V) 510 (12 V)	340	-	-	-	-
DC CURRENT CONSUMPTION (mA)	750 (6 V) 1500 (12 V)	490 (8 V) 715 (12 V)	410	210	120	190	110
MAX. PRELOAD OPEN AC (N)	100N (12 V)	-	-	-	-	-	-
MAX. PRELOAD OPEN DC (N)	-	-	-	-	-	-	-

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.

# DORCAS

## 87 SERIES

GLASS DOORS

Special series for installation on **glass doors with frame**. Doesn't need a mechanical lock, as its hinged latch holds the glass leaf directly. (maximum thickness 12 mm).



### INSTALLATION SPECIFICATIONS

Type of installation	Flush-mounted
Reversible	Yes
Symmetrical	No
Height	105 mm
Width	20 mm
Depth	28 mm
Latch insertion depth	11 mm
Flex latch adjustment (F)	0 mm
Electrically tested cycles	200,000
Break-in resistance	2,550 N
Operating temperature	-25 / +50 °C

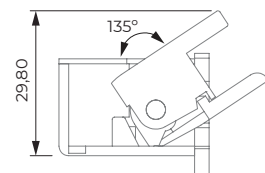
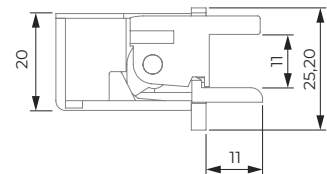
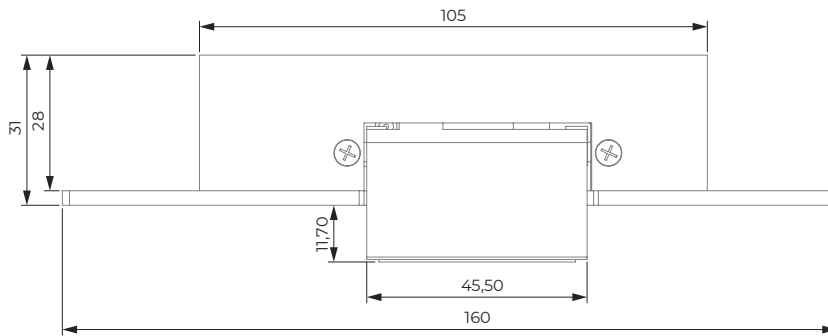


3	C	5	0	-	0	0	0	0
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EN 14846-2008 - System 1

### FUNCTIONS

Flex latch	No
Monoblock latch	Yes
Special jaw	No
Unlocking (D)	No
Microswitch (305)	No
Bidirectional diode	Optional

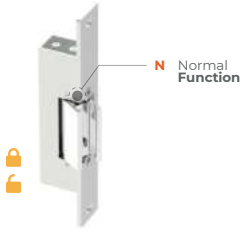


### REGULATION

Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

## MODELS

87 N

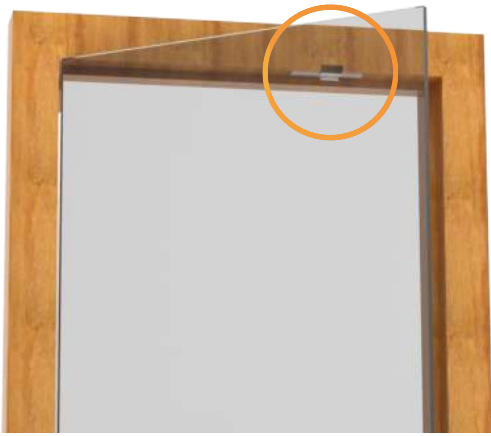


87 Aa



Series 87 can be installed both on the top part of the frame and on its side:

TOP INSTALLATION



LATERAL INSTALLATION



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

## ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	6-12	8-12	24	12(412)	24(424)	12(512)	24(524)
	AC-DC	AC-DC	AC-DC	DC	DC	DC	DC
FUNCTIONMENT	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SAFE	FAIL SAFE
COIL RESISTANCE (Ω)	8	17	58	68	220	68	230
ELECTRICAL DUTY CYCLE (%ED)	10%ED	20%ED	20%ED	100%ED 12 VDC	100%ED 24 VDC	100%ED 12 VDC	100%ED 24 VDC
AC CURRENT CONSUMPTION (mA)	565 (6 V) 1150 (12 V)	350 (8 V) 510 (12 V)	340	-	-	-	-
DC CURRENT CONSUMPTION (mA)	750 (6 V) 1500 (12 V)	490 (8 V) 715 (12 V)	410	210	120	190	110
MAX. PRELOAD OPEN AC (N)	100N (12 V)	-	-	-	-	-	-
MAX. PRELOAD OPEN DC (N)	-	-	-	-	-	-	-

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.

**56 SERIES** TIMED AND STRONG.....PAGE 76-77

**AT99 SERIES** TIMED IN SMALL SIZE.....PAGE 144-145





Thanks to the automatic timed function, the system is secured against unwanted intrusions due to error or accident.



# DORCAS

TIMED

## 56 SERIES

Symmetrical and reversible series with heightened security thanks to the **automatic timing function**. Its system remains unlocked for a time proportional to the duration of the power supply, after which it is locked again to prevent unwanted access.



### INSTALLATION SPECIFICATIONS

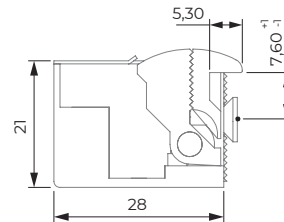
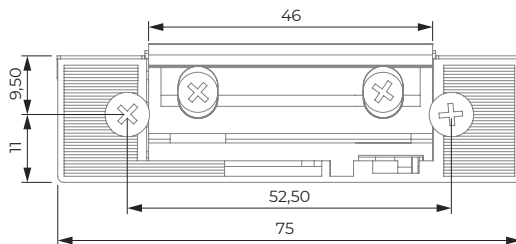
Type of installation	Flush-mounted
Reversible	Yes
Symmetrical	Yes
Height	75 mm
Width	21 mm
Depth	28 mm
Latch insertion depth	5.30 mm
Flex latch adjustment (F)	+1 -1 mm
Electrically tested cycles	200,000
Break-in resistance	3,000 N
Operating temperature	-25 / +50 °C



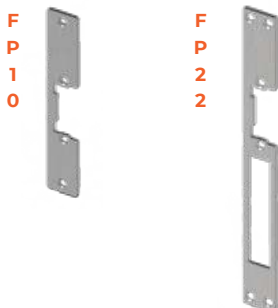
3 C 5 0 - 0 0 0 0  
EN 14846-2008 - System 1

### FUNCTIONS

Flex latch	Yes
Monoblock latch	No
Special jaw	No
Unlocking (D)	Optional
Microswitch (305)	No
Bidirectional diode	Optional



### RECOMMENDED FACEPLATES

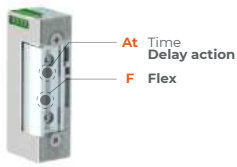


### REGULATION

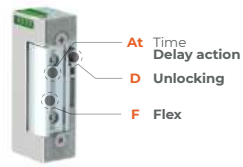
Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

## MODELS

### 56 AtF

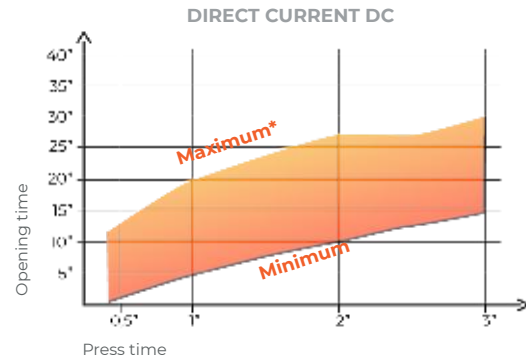
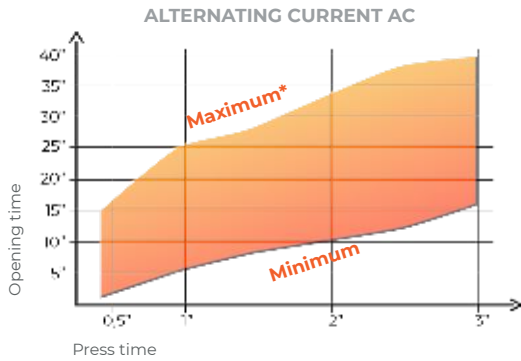


### 56 AtDF



The time it gives us to enter depends on the duration of the press; for a 1-second press, we will have from 25 seconds of opening (AC), up to a maximum of 40 seconds.

### MORE SECURE



The maximum opening times occur when the time between one press and another is less than 7 minutes. Press times of over 3 seconds are not recommended.

## ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	10-12 AC-DC
FUNCTIONMENT	FAIL SECURE
COIL RESISTANCE (Ω)	30
ELECTRICAL DUTY CYCLE (%ED)	TIMED
AC CURRENT CONSUMPTION (mA)	650 (12 V)
DC CURRENT CONSUMPTION (mA)	650 (12 V)
MAX. PRELOAD OPEN AC (N)	-
MAX. PRELOAD OPEN DC (N)	-
	Maximum coil tolerance 5%.
	%ED has been calculated in accordance with standard time of 10 minutes.

**46 SERIES** FOR TUBULAR TYPE LOCKS..... PAGE 80-81

**47 SERIES** FOR AMERICAN LOCKS.....PAGE 82-83

**57 SERIES** MANUAL CHANGE FROM FAIL SECURE TO FAIL SAFE.....PAGE 84-85

**84 SERIES** FOR DEEPER AND LONGER DEADBOLT.....PAGE 86-87







**DORCAS**  
**AMERICAN MARKET**



Specially designed series for the American market, where the locks have wider faceplates and a deeper and longer latch than usual.



**DORCAS**

*50 years*

# DORCAS

## 46 SERIES

AMERICAN MARKET

Symmetrical and reversible series, designed to be combined with **ANSI type locks**. Its body of length 75 mm means that it is mainly aimed at tubular type locks.



### INSTALLATION SPECIFICATIONS

Type of installation	Flush-mounted
Reversible	Yes
Symmetrical	Yes
Height	75,30 mm / 83,20 mm (305)
Width	39,30 mm
Depth	34 mm
Latch insertion depth	14,30 mm
Flex latch adjustment (F)	0 mm
Electrically tested cycles	200,000
Break-in resistance	3,450 N
Operating temperature	-25 / +50 °C

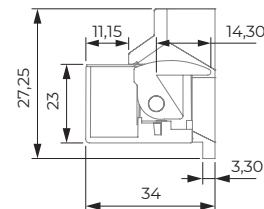
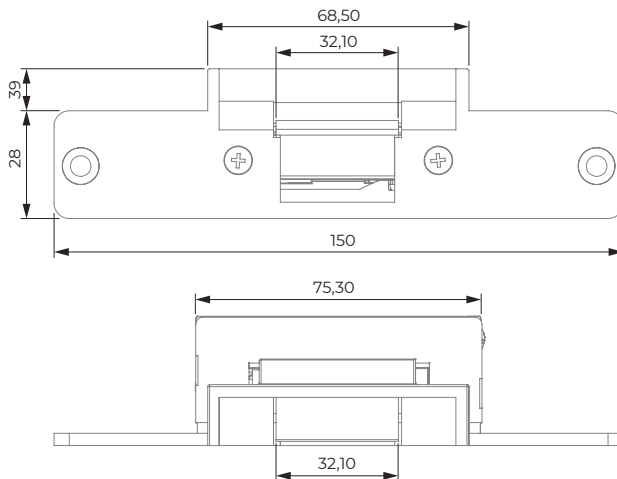


3	C	5	0	-	0	0	1	0
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EN 14846-2008 - System 1

### FUNCTIONS

Flex latch	No
Monoblock latch	Yes
Special jaw	No
Unlocking (D)	No
Microswitch (305)	Optional
Bidirectional diode	Optional

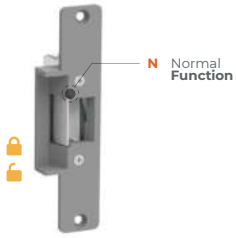


### REGULATION

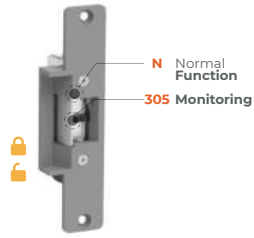
Electromagnetic compatibility	Directive 2014/30/EU
RAEE	RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

## MODELS

### 46 N



### 46 N 305



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

## ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	8-16	14-24	24	12(412)	24(424)	12(512)	24(524)
	AC-DC	DC	AC	DC	DC	DC	DC
FUNCTIONMENT	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SAFE	FAIL SAFE
COIL RESISTANCE (Ω)	17	45	58	68	132	58	230
ELECTRICAL DUTY CYCLE (%ED)	10%ED	20%ED	20%ED	100%ED 12 VDC	100%ED 24 VDC	100%ED 12 VDC	100%ED 24 VDC
AC CURRENT CONSUMPTION (mA)	370 (8 V) 750 (12 V)	-	340	-	-	-	-
DC CURRENT CONSUMPTION (mA)	470 (8 V) 940 (12 V)	260 (14V)	-	180	200	210	110
MAX. PRELOAD OPEN AC (N)	200N (12 V)	-	-	-	-	-	-
MAX. PRELOAD OPEN DC (N)	-	-	-	-	-	-	-

Maximum coil tolerance 5%

%ED has been calculated in accordance with standard time of 10 minutes.

# DORCAS

## 47 SERIES

AMERICAN MARKET

Symmetrical and reversible series, to be combined with **ANSI type locks**. Its latch of special length and depth make it ideal for American locks. Also, its lateral add-on makes it difficult to manipulate from the outside.



### INSTALLATION SPECIFICATIONS

Type of installation	Flush-mounted
Reversible	Yes
Symmetrical	Yes
Height	123,50 mm
Width	45,70 mm
Depth	39 mm
Latch insertion depth	13,70 mm
Flex latch adjustment (F)	+4 -0 mm
Electrically tested cycles	200,000
Break-in resistance	3,450 N / 4,000 N (Reinforced)
Operating temperature	-25 / +50 °C

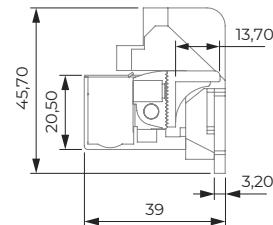
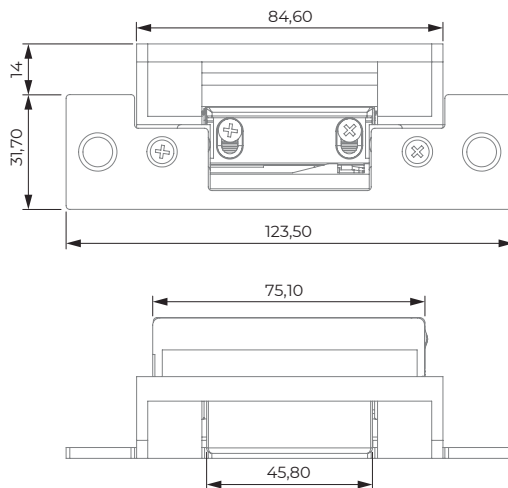


3	C	5	0	-	0	0	1	0
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EN 14846-2008 - System 1

### FUNCTIONS

Flex latch	Yes
Monoblock latch	No
Special jaw	Optional
Unlocking (D)	No
Microswitch (305)	Optional
Bidirectional diode	Optional

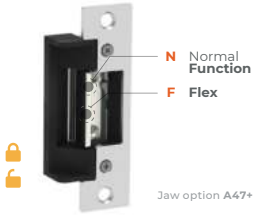


### REGULATION

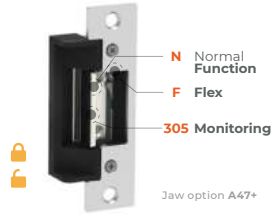
Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

## MODELS

### 47 NF



### 47 NF 305



## SPECIAL JAWS



### A47+

Manufactured in NICKEL PLATED STEEL.



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

## ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	8-16	14-24	24	12(412)	24(424)	12(512)	24(524)
	AC-DC	DC	AC	DC	DC	DC	DC
FUNCTIONMENT	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SAFE	FAIL SAFE
COIL RESISTANCE (Ω)	17	45	58	68	132	58	230
ELECTRICAL DUTY CYCLE (%ED)	10%ED	20%ED	20%ED	100%ED 12 VDC	100%ED 24 VDC	100%ED 12 VDC	100%ED 24 VDC
AC CURRENT CONSUMPTION (mA)	370 (8 V) 750 (12 V)	-	340	-	-	-	-
DC CURRENT CONSUMPTION (mA)	470 (8 V) 940 (12 V)	260 (14V)	-	180	200	210	110
MAX. PRELOAD OPEN AC (N)	200N (12 V)	-	-	-	-	-	-
MAX. PRELOAD OPEN DC (N)	-	-	-	-	-	-	-

Maximum coil tolerance 5%

%ED has been calculated in accordance with standard time of 10 minutes.

# DORCAS

## 57 SERIES

AMERICAN MARKET

**FAIL SECURE & FAIL SAFE**

Symmetrical and reversible series, to be combined with **ANSI type locks**. Its latch of special length and depth make it ideal for American locks. Also, its lateral add-on makes it difficult to manipulate from the outside.

Its operation can be changed from fail secure to fail safe by turning a screw.



### INSTALLATION SPECIFICATIONS

Type of installation	Flush-mounted
Reversible	Yes
Symmetrical	Yes
Height	124 mm
Width	45.70 mm
Depth	39 mm
Latch insertion depth	13.70 mm
Flex latch adjustment (F)	+4 -0 mm
Electrically tested cycles	200,000
Break-in resistance	3,450 N
Operating temperature	-25 / +50 °C

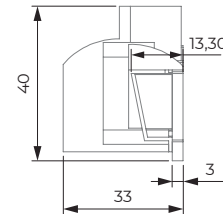
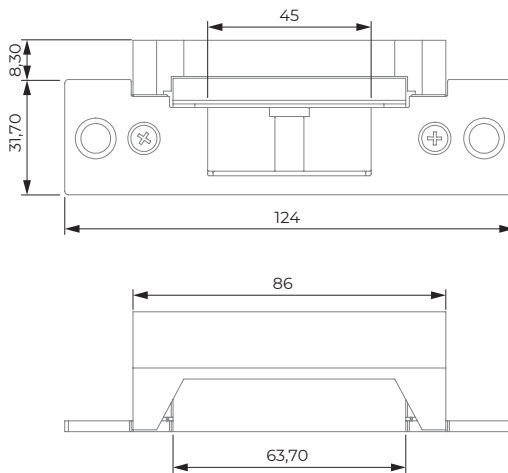


3	C	5	0	-	0	0	1	0
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EN 14846-2008 - System 1

### FUNCTIONS

Flex latch	No
Monoblock latch	Yes
Special jaw	No
Unlocking (D)	No
Microswitch (305)	Yes
Bidirectional diode	Optional



### REGULATION

Electromagnetic compatibility	Directive 2014/30/EU
RAEE	RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

## MODELS

### 57 N 305



## ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	12-24 DC
FUNCTIONMENT	FAIL SECURE FAIL SAFE
COIL RESISTANCE (Ω)	43 + 170
ELECTRICAL DUTY CYCLE (%ED)	100%ED 12/24 VDC
AC CURRENT CONSUMPTION (mA)	-
DC CURRENT CONSUMPTION (mA)	280 (12 V) 140 (24 V)
MAX. PRELOAD OPEN AC (N)	-
MAX. PRELOAD OPEN DC (N)	-

Maximum coil tolerance 5%.

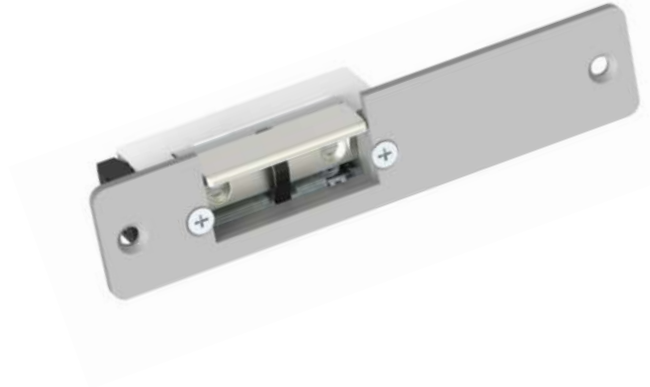
%ED has been calculated in accordance with standard time of 10 minutes.

# DORCAS

## 84 SERIES

AMERICAN MARKET

Symmetrical and reversible series to be combined with wide-faceplate American locks and a **deeper and longer latch than usual.**



### INSTALLATION SPECIFICATIONS

Type of installation	Flush-mounted
Reversible	Yes
Symmetrical	Yes
Height	67 mm
Width	20,50 mm
Depth	34,40 mm
Latch insertion depth	12,30 mm
Flex latch adjustment (F)	+4 -0 mm
Electrically tested cycles	200,000
Break-in resistance	3,450 N
Operating temperature	-25 / +50 °C

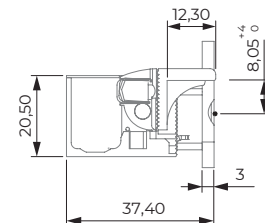
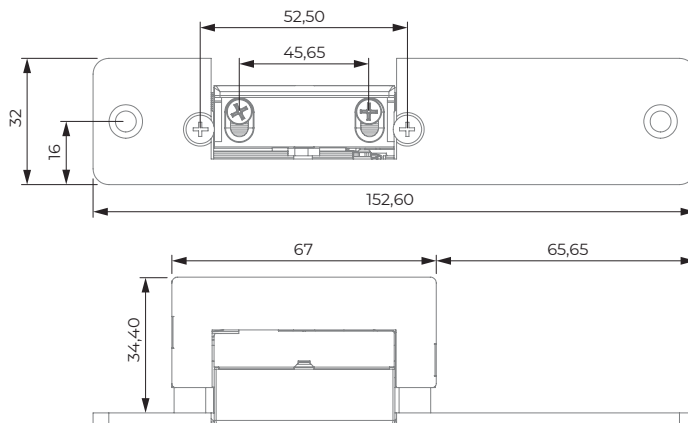


3	C	5	0	-	0	0	1	0
---	---	---	---	---	---	---	---	---

EN 14846-2008 - System 1

### FUNCTIONS

Flex latch	Optional
Monoblock latch	Optional
Special jaw	No
Unlocking (D)	Optional
Microswitch (305)	Optional
Bidirectional diode	Optional



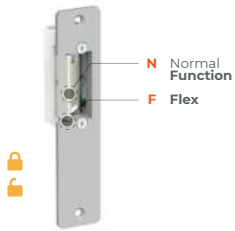
### REGULATION

Electromagnetic compatibility	Directive 2014/30/EU
RAEE	RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

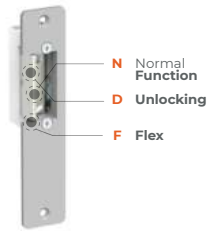


## MODELS

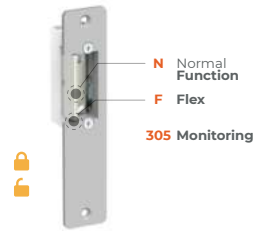
### 84 NF



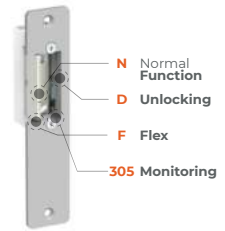
### 84 NDF



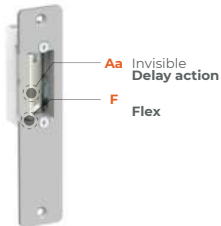
### 84 NF 305



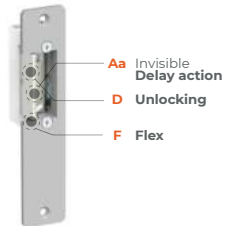
### 84 NDF 305



### 84 AaF



### 84 AaDF



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

## ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	6-12	8-12	24	12(412)	24(424)	12(512)	24(524)
	AC-DC	AC-DC	AC-DC	DC	DC	DC	DC
FUNCTIONMENT	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SAFE	FAIL SAFE
COIL RESISTANCE (Ω)	8	17	58	38	132	58	230
ELECTRICAL DUTY CYCLE (%ED)	10%ED	20%ED	20%ED	100%ED 12 VDC	100%ED 24 VDC	100%ED 12 VDC	100%ED 24 VDC
AC CURRENT CONSUMPTION (mA)	565 (6 V) 1150 (12 V)	350 (8 V) 510 (12 V)	340	-	-	-	-
DC CURRENT CONSUMPTION (mA)	750 (6 V) 1500 (12 V)	490 (8 V) 715 (12 V)	410	320	200	210	110
MAX. PRELOAD OPEN AC (N)	200N (12 V)	-	-	-	-	-	-
MAX. PRELOAD OPEN DC (N)	-	-	-	-	-	-	-

Maximum coil tolerance 5%

%ED has been calculated in accordance with standard time of 10 minutes.

**NEW 91 SERIES** POWER SUPPLY 12-24 VDC.....PAGE 90-91

**NEW SF91 SERIES** FOR RF DOORS.....PAGE 92-93

**54 SCAN SERIES** SMALL DIMENSIONS.....PAGE 94-95





Series designed and built for Nordic style doors. Thanks to the materials it is made from and its structure, it withstands a very high retention force.

It incorporates our innovative DST technology, which guarantees opening in preload situations up to 20 kg.



# DORCAS

## 91 SERIES

NORDIC MARKET



Both the FAIL SECURE and FAIL SAFE versions feature a single **12-24 VDC power supply**, requiring very low power consumption (0.5 A).

It incorporates double monitoring (305 and 325), allowing a signal to be obtained on the status of the door and of the internal locking system by means of a connector.

### INSTALLATION SPECIFICATIONS

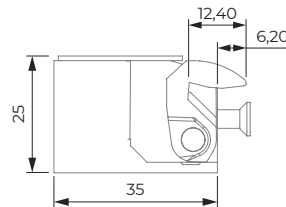
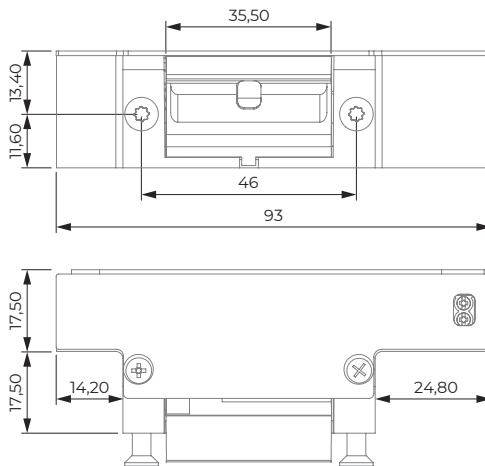
Type of installation	Flush-mounted
Reversible	Yes
Symmetrical	No
Height	93 mm
Width	25 mm
Depth	35 mm
Latch insertion depth	6 mm
Flex latch adjustment (F)	0 mm
Electrically tested cycles	200,000
Break-in resistance	8,000 N
Operating temperature	-25 / +50 °C



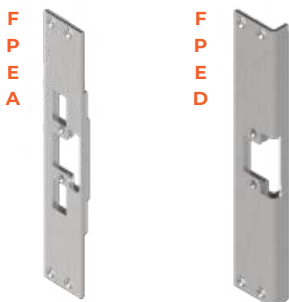
3 C 5 0 - 0 0 1 0  
EN 14846-2008 - System 1

### FUNCTIONS

Flex latch	No
Monoblock latch	Yes
Special jaw	No
Unlocking (D)	No
Microswitch (305)	Optional
Bidirectional diode	Optional



### RECOMMENDED FACEPLATES

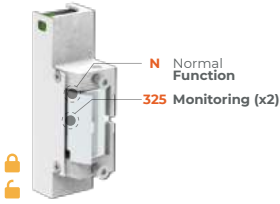


### REGULATION

Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

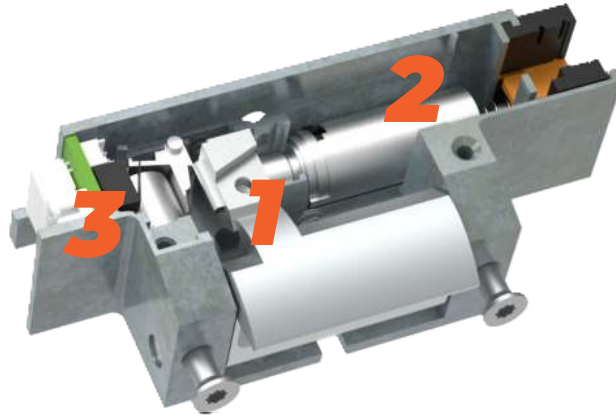
## MODELS

### 91 N 325



The DST (**Dorcas Sliding Technology**) system ensures mechanical opening, both in normal type strikes and reversed strikes, with preload of up to 20 kg. To provide additional security, the strike is equipped with a secondary system that ensures locking if opening is not electrically authorised.

- 1 DST SYSTEM
- 2 MAIN COIL
- 3 BACK-UP LOCKING



The FAIL SAFE version has a screw for regulating the opening force.



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

## ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	12-24	12-24
	DC	DC
FUNCTIONMENT	FAIL SECURE	FAIL SAFE
COIL RESISTANCE (Ω)	30	30
ELECTRICAL DUTY CYCLE (%ED)	100%ED 12 VDC	100%ED 24 VDC
AC CURRENT CONSUMPTION (mA)	-	-
DC CURRENT CONSUMPTION (mA)	480 (12 V) 320 (24 V)	480 (12 V) 320 (24 V)
MAX. PRELOAD OPEN AC (N)	-	-
MAX. PRELOAD OPEN DC (N)	200 N	200 N

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.

# DORCAS

NORDIC MARKET

## SF91 SERIES



The SF91 series conserves all the advantages of the 91 series but is designed for **RF doors**. It is able to open with a preload of up to 20 kg.

Developed for Scandinavian style doors.



### INSTALLATION SPECIFICATIONS

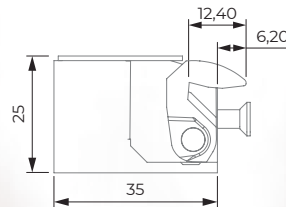
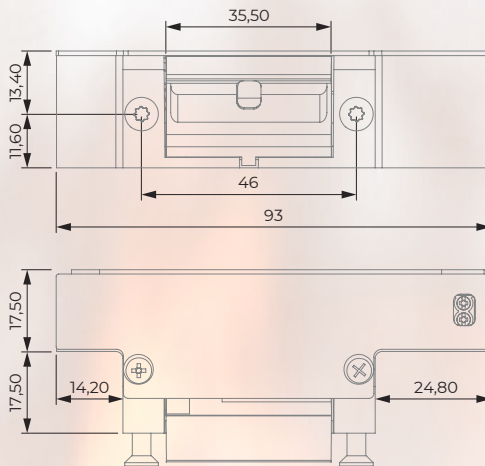
Type of installation	Flush-mounted
Reversible	Yes
Symmetrical	No
Height	93 mm
Width	25 mm
Depth	35 mm
Latch insertion depth	6 mm
Flex latch adjustment (F)	0 mm
Electrically tested cycles	200,000
Break-in resistance	8,000 N
Operating temperature	-25 / +50 °C



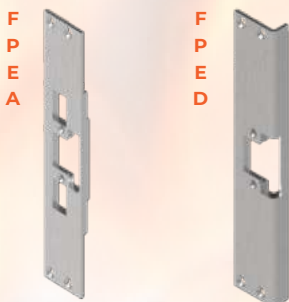
3 X 2 F - 0 0 1 0  
EN 14846-2008 - System 1

### FUNCTIONS

Flex latch	Yes
Monoblock latch	Optional
Special jaw	No
Unlocking (D)	Optional
Microswitch (305)	Optional
Bidirectional diode	Optional



### RECOMMENDED FACEPLATES



### REGULATION

Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

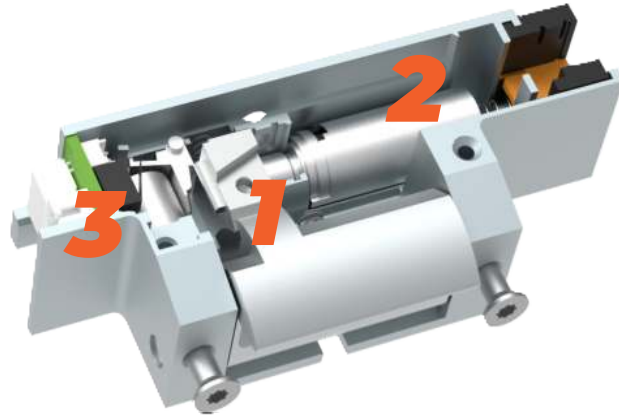
**MODELS**

**SF91 N 325**



The DST (**Dorcas Sliding Technology**) system ensures mechanical opening, both in normal type strikes and reversed strikes, with preload of up to 20 kg. To provide additional security, the strike is equipped with a secondary system that ensures locking if opening is not electrically authorised.

- 1 DST SYSTEM
- 2 MAIN COIL
- 3 BACK-UP LOCKING



The FAIL SAFE version has a screw for regulating the opening force.



**ELECTRICAL SPECIFICATIONS**

VOLTAGE RANGE	12-24	12-24
	DC	DC
FUNCTIONMENT	FAIL SECURE	FAIL SAFE
COIL RESISTANCE (Ω)	30	30
ELECTRICAL DUTY CYCLE (%ED)	100%ED 12 VDC	100%ED 24 VDC
AC CURRENT CONSUMPTION (mA)	-	-
DC CURRENT CONSUMPTION (mA)	480 (12 V) 320 (24 V)	480 (12 V) 320 (24 V)
MAX. PRELOAD OPEN AC (N)	-	-
MAX. PRELOAD OPEN DC (N)	200 N	200 N

Maximum coil tolerance 5%.  
%ED has been calculated in accordance with standard time of 10 minutes.



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

# **DORCAS** NORDIC MARKET

## **54 SCAN SERIES**

Derived from the 54 series, symmetrical and reversible, it has **small dimensions** (67 mm high). It has been designed and built for Scandinavian style doors.

Ideal both for new construction and refitting in installations where the dimensions are small.



### **INSTALLATION SPECIFICATIONS**

Type of installation	Flush-mounted
Reversible	Yes
Symmetrical	Yes
Height	67 mm / 74.8 mm (305)
Width	21 mm
Depth	28 mm
Latch insertion depth	8.20 mm
Flex latch adjustment (F)	No
Electrically tested cycles	200,000
Break-in resistance	3,250 N
Operating temperature	-25 / +50 °C

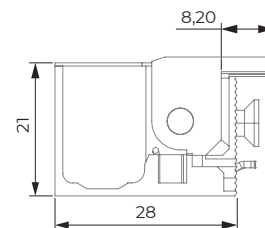
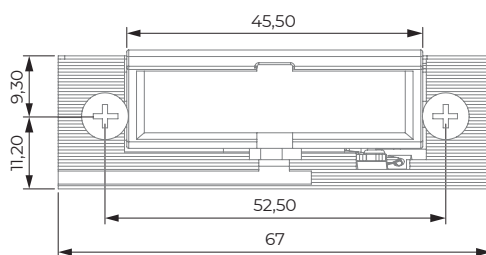


3	C	5	0	-	0	0	1	0
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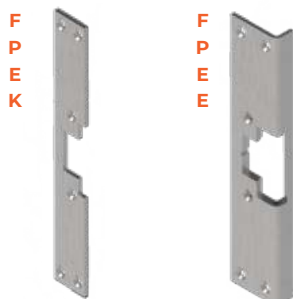
EN 14846-2008 - System 1

### **FUNCTIONS**

Flex latch	No
Monoblock latch	Yes
Special jaw	No
Unlocking (D)	Optional
Microswitch (305)	Optional
Bidirectional diode	Optional



### **RECOMMENDED FACEPLATES**



### **REGULATION**

Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

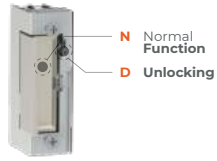


# MODELS

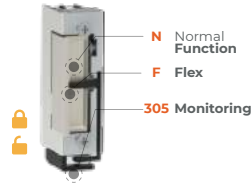
54 SCAN N



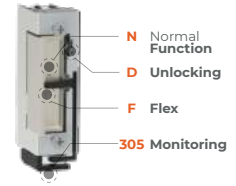
54 SCAN ND



54 SCAN N 305



54 SCAN ND 305



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

## ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	10-24	6-12	8-12	24	12(412)	24(424)	12(512)	24(524)	
	AC-DC	AC-DC	AC-DC	AC-DC	DC	DC	DC	DC	
FUNCTIONMENT	FAIL SECURE		FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SAFE	FAIL SAFE	
	N	A - AB							
COIL RESISTANCE (Ω)	43	35	8	17	58	38	132	58	240
ELECTRICAL DUTY CYCLE (%ED)	100%ED 12 VDC	100%ED 12 VDC	10%ED	20%ED	20%ED	100%ED 12 VDC	100%ED 24 VDC	100%ED 12 VDC	100%ED 24 VDC
AC CURRENT CONSUMPTION (mA)	175 (10 V) 200 (12 V) 400 (24 V)	230 (10 V) 270 (12 V) 540 (24 V)	565 (6 V) 1150 (12 V) -	350 (8 V) 510 (12 V) -	340	-	-	-	-
DC CURRENT CONSUMPTION (mA)	240 (10 V) 280 (12 V) 570 (24 V)	290 (10 V) 350 (12 V) 690 (24 V)	750 (6 V) 1500 (12 V) -	490 (8 V) 715 (12 V) -	410	320	200	210	110
MAX. PRELOAD OPEN AC (N)	60N (12 V)		200N (12 V)	200N (12 V)	-	-	-	-	-
MAX. PRELOAD OPEN DC (N)	30N (12 V)		-	-	-	-	-	-	-

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.

**62 SERIES** WATER RESISTANT (IP65).....PAGE 98-99

**NEW SW99 SERIES** WATER RESISTANT IN SMALL SIZE.....PAGE 134-137





**DORCAS**  
**WATERPROOF**

Conceived for exterior installations which can be affected by water action. Thanks to the design and the components we obtain a watertight series (IP65).



# DORCAS WATERPROOF 62 SERIES

Non-reversible **waterproof (IP65)** series. Ideal for outdoor installations thanks to its watertight seal and an internal partition to prevent water and dust penetration.

As an option, we have watertight unlocking system.

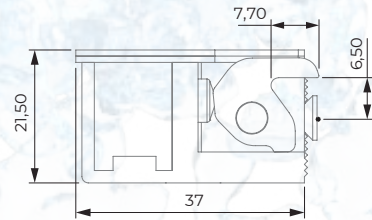
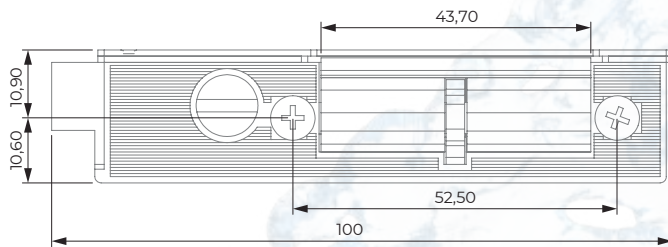
## INSTALLATION SPECIFICATIONS

Type of installation	Flush-mounted
Reversible	No
Symmetrical	No
Height	100 mm
Width	21.50 mm
Depth	37 mm
Latch insertion depth	7.70 mm
Flex latch adjustment (F)	0 mm
Electrically tested cycles	200,000
Break-in resistance	4,000 N
Operating temperature	-25 / +50 °C

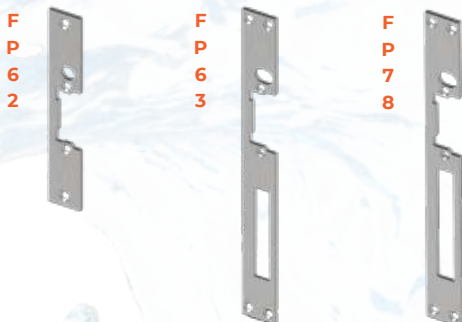


## FUNCTIONS

Flex latch	No
Monoblock latch	Yes
Special jaw	No
Unlocking (D)	Optional
Microswitch (305)	No
Bidirectional diode	Optional



## RECOMMENDED FACEPLATES

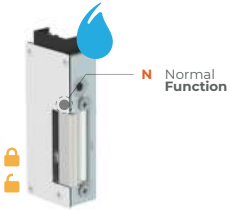


## REGULATION

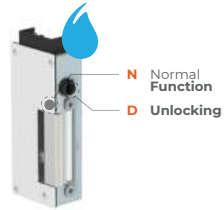
Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

## MODELS

62 N



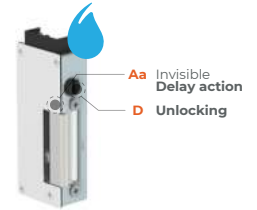
62 ND



62 Aa



62 AaD



NOTE: For this series of electric strike, hand selection must be made in accordance with regulation DIN 107 (Page 13).



## ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	6-12	8-12	24	12(412)	24(424)	12(512)	24(524)
	AC-DC	AC-DC	AC-DC	DC	DC	DC	DC
FUNCTIONMENT	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SAFE	FAIL SAFE
COIL RESISTANCE (Ω)	8	17	58	68	220	70	230
ELECTRICAL DUTY CYCLE (%ED)	10%ED	20%ED	20%ED	100%ED 12 VDC	100%ED 24 VDC	100%ED 12 VDC	100%ED 24 VDC
AC CURRENT CONSUMPTION (mA)	565 (6 V) 1150 (12 V)	350 (8 V) 510 (12 V)	340	-	-	-	-
DC CURRENT CONSUMPTION (mA)	750 (6 V) 1500 (12 V)	490 (8 V) 715 (12 V)	410	210	120	190	110
MAX. PRELOAD OPEN AC (N)	120N (12 V)	-	-	-	-	-	-
MAX. PRELOAD OPEN DC (N)	-	-	-	-	-	-	-

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

**52 SERIES** FIRE-RESISTANT 120'.....PAGE 102-103

**NEW SF91 SERIES** WATER-RESISTANT SCANDINAVIAN DESIGN.....PAGE 92-93

**SF99 SERIES** FIRE-RESISTANT 120'.....PAGE 140-141

**NEW SF100 SERIES** FIRE-RESISTANT DST TECHNOLOGY.....PAGE 152-153





# DORCAS

## FIRE RESISTANCE

Series specifically designed for installation and use in fire doors, with RF (fire resistance) and EI 120 (integrity and watertightness) homologation according to UNE-EN 1634-1:2000.

Dorcas offers an EC certified range according to standard EN 14846 endorsed by the D.O.P



# DORCAS

## 52 SERIES

FIRE RESISTANCE

Series developed for fire doors, symmetrical and reversible. CE Marking according to UNE-EN 14846:2008, with a **fire resistance class of 120'**.

It also has maximum breakage resistance of 1,000 kg and has a cable outlet to facilitate its installation.



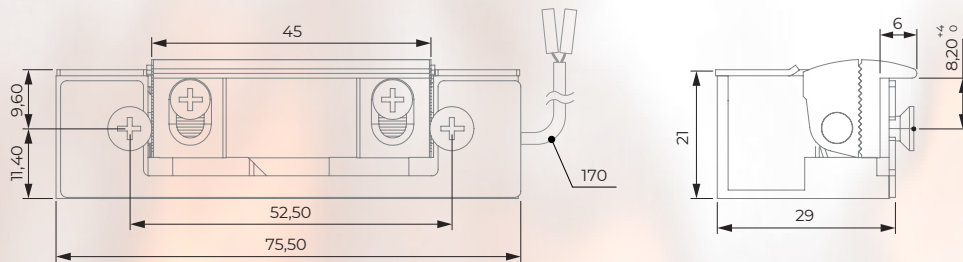
3 C 2 F - 0 0 1 0  
EN 14846-2008 - System 1

### INSTALLATION SPECIFICATIONS

Type of installation	Flush-mounted
Reversible	Yes
Symmetrical	Yes
Height	75,5 mm
Width	21 mm
Depth	29 mm
Latch insertion depth	6 mm
Flex latch adjustment (F)	+4 -0 mm
Electrically tested cycles	200,000
Break-in resistance	9,850 N
Operating temperature	-25 / +50 °C

### FUNCTIONS

Flex latch	Optional
Monoblock latch	Optional
Special jaw	No
Unlocking (D)	No
Microswitch (305)	Optional
Bidirectional diode	Optional



### RECOMMENDED FACEPLATES



### REGULATION

Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

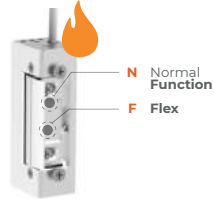


## MODELS

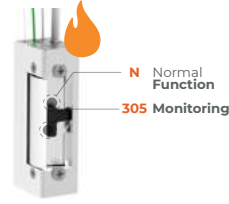
52 N



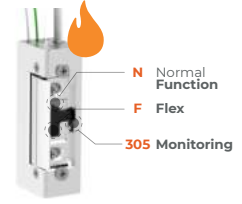
52 NF



52 N 305



52 NF 305



### CERTIFICATION

The 52 series has a consistent performance certificate. This certificate indicates that all the provisions relating to the conformity assessment described in Annex ZA of the EN 14846:2008 standard have been applied.



## ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	6-12	8-12	24	12(412)	24(424)
	AC-DC	AC-DC	AC-DC	DC	DC
FUNCTIONMENT	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE
COIL RESISTANCE (Ω)	8	17	58	43	220
ELECTRICAL DUTY CYCLE (%ED)	10%ED	20%ED	20%ED	100%ED 12 VDC	100%ED 24 VDC
AC CURRENT CONSUMPTION (mA)	565 (6 V) 1150 (12 V)	350 (8 V) 510 (12 V)	340	-	-
DC CURRENT CONSUMPTION (mA)	750 (6 V) 1500 (12 V)	490 (8 V) 715 (12 V)	410	280	120
MAX. PRELOAD OPEN AC (N)	200N (12 V)	-	-	-	-
MAX. PRELOAD OPEN DC (N)	-	-	-	-	-
CE MARKING FOR RF DOORS	Yes	Yes	Yes	Yes	Yes

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.

**77 SERIES** UNLOCKING WITH LOADS OF UP TO 450 KG.....PAGE 106-107

**777 SERIES** RADIAL LATCH AND TOP SYSTEM.....PAGE 108-109

**81 SERIES** FOR EUROPEAN PANIC BARS.....PAGE 110-111

**82 SERIES** FOR EUROPEAN PANIC BARS.....PAGE 112-113





# DORCAS

## EVACUATION ROUTES

Door release design intended for installation on security and emergency doors, emergency situations where a preload is often exerted on the door, making it difficult or impossible to open.

Manufactured both for the European market and for the American market.



# DORCAS

## 77 SERIES

EVACUATION ROUTES

Special series for evacuation routes. Its system allows **unlocking with loads of up to 450 kg**. Compliance with standard UNE-EN 13637, EltVTR and NFS 61937.

Version available with a status signal (305) or double status signal (325).



**P11**  
We recommend installing the 77 series strike with latch P11

### INSTALLATION SPECIFICATIONS

Type of installation	Flush-mounted
Reversible	No
Symmetrical	No
Height	134 mm
Width	23,20 mm
Depth	39 mm
Latch insertion depth	5,80 mm
Flex latch adjustment (F)	+3 -0 mm
Electrically tested cycles	200,000
Break-in resistance	7,450 N
Operating temperature	-25 / +50 °C

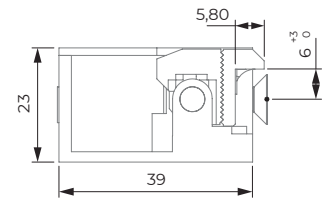
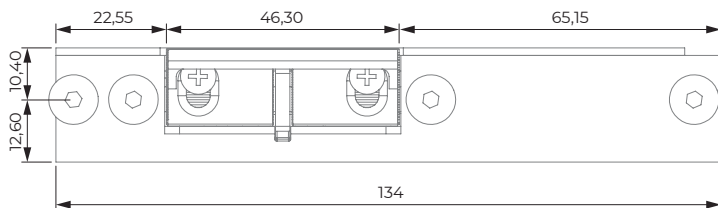


3	7	6	0	1	0	4	0	0	B
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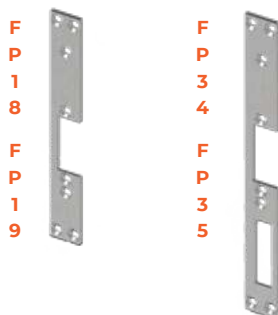
UNE EN 13637:2016

### FUNCTIONS

Flex latch	Optional
Monoblock latch	Optional
Special jaw	No
Unlocking (D)	No
Microswitch (305)	Optional
Bidirectional diode	Yes



### RECOMMENDED FACEPLATES

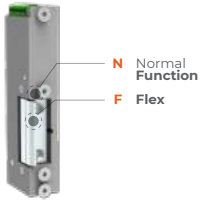


### REGULATION

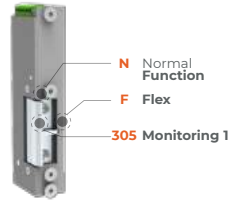
Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

## MODELS

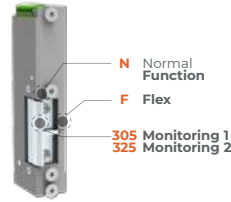
### 77 NF



### 77 NF 305



### 77 NF 325



NOTE: For this series of electric strike, hand selection must be made in accordance with regulation DIN 107 (Page 13).



### FAIL SAFE



## ELECTRICAL SPECIFICATIONS

	12(512)	24(524)	48(548)
	DC	DC	DC
FUNCTIONMENT	FAIL SAFE	FAIL SAFE	FAIL SAFE
COIL RESISTANCE (Ω)	34	150	685
ELECTRICAL DUTY CYCLE (%ED)	100%ED 12 VDC	100%ED 24 VDC	100%ED 48 VDC
AC CURRENT CONSUMPTION (mA)	-	-	-
DC CURRENT CONSUMPTION (mA)	360	160	70
MAX. PRELOAD OPEN AC (N)	-	-	-
MAX. PRELOAD OPEN DC (N)	4000	4000	4000

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.

# DORCAS

## 777 SERIES

EVACUATION ROUTES



Series that optimises the 77 series while keeping the opening with up to 450 kg load. Its upgrades consist of a **radial latch** and a **TOP system**.

Also available with a status signal (305) or double status signal (325).

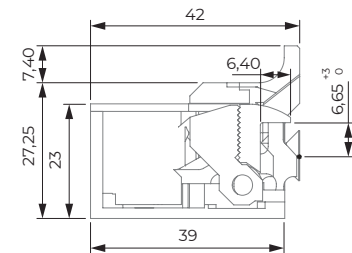
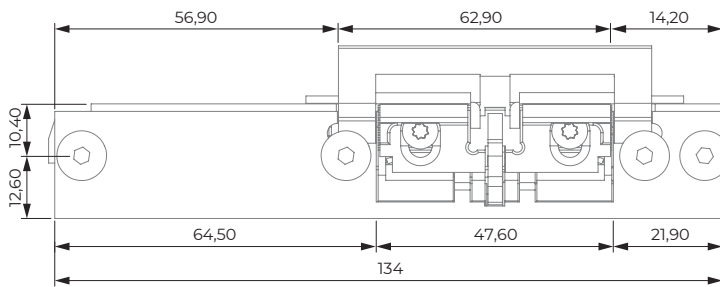
### INSTALLATION SPECIFICATIONS

Type of installation	Flush-mounted
Reversible	No
Symmetrical	No
Height	134 mm
Width	34.65 mm
Depth	39 mm
Latch insertion depth	6.40 mm
Flex latch adjustment (F)	+3 -0 mm
Electrically tested cycles	200,000
Break-in resistance	7,845 N
Operating temperature	-25 / +50 °C

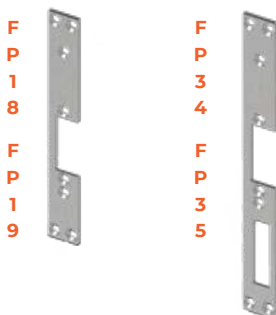


### FUNCTIONS

Flex latch	Yes
Monoblock latch	No
Special jaw	No
Unlocking (D)	No
Microswitch (305)	Optional
Bidirectional diode	Yes



### RECOMMENDED FACEPLATES

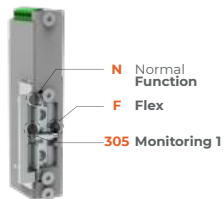


### REGULATION

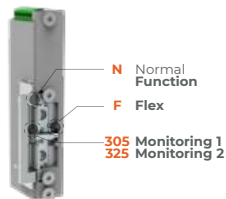
Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

**MODELS**

**777 NF 305**



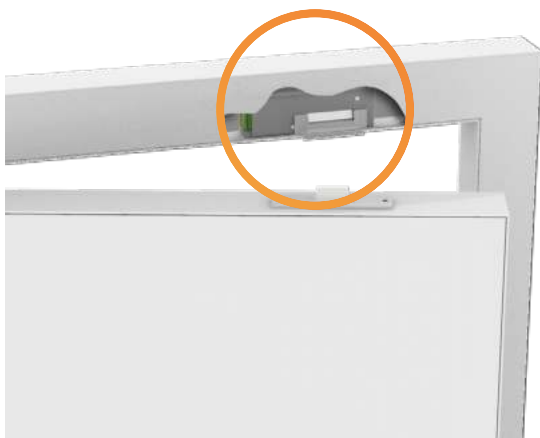
**777 NF 325**



NOTE: For this series of electric strike, hand selection must be made in accordance with regulation DIN 107 (Page 13).



**TOP INSTALLATION**



**LATERAL INSTALLATION**



**ELECTRICAL SPECIFICATIONS**

VOLTAGE RANGE	12(512)	24(524)	48(548)
		DC	DC
FUNCTIONMENT	FAIL SAFE	FAIL SAFE	FAIL SAFE
COIL RESISTANCE (Ω)	34	150	685
ELECTRICAL DUTY CYCLE (%ED)	100%ED 12 VDC	100%ED 24 VDC	100%ED 48 VDC
AC CURRENT CONSUMPTION (mA)	-	-	-
DC CURRENT CONSUMPTION (mA)	360	160	70
MAX. PRELOAD OPEN AC (N)	-	-	-
MAX. PRELOAD OPEN DC (N)	4000	4000	4000

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.

# DORCAS

## 81 SERIES

EVACUATION ROUTES

Surface-mounted, reversible series with concealed fixture. Designed with a special concave latch to be used in combination with **European panic bars**. It is supplied with 8x1 mm supplements.

Compatible with almost all panic bars on the market, including panic bars with non-curved deadlocks.



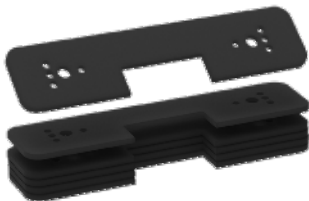
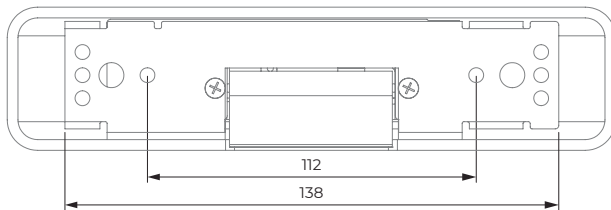
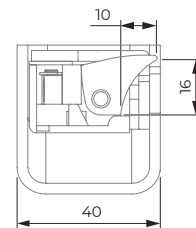
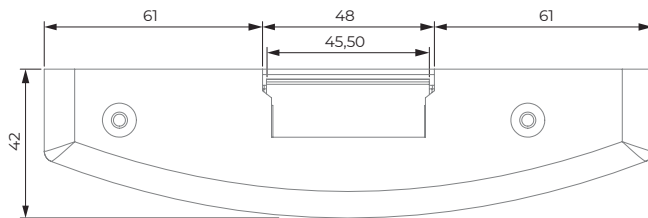
### INSTALLATION SPECIFICATIONS

Type of installation	Surface-mounted
Reversible	Yes
Symmetrical	Yes
Height	140 mm
Width	26,50 mm
Depth	40 mm
Latch insertion depth	10,40 mm
Flex latch adjustment (F)	0 mm
Electrically tested cycles	200,000
Break-in resistance	2,950 N / 5,900 N (Reinforced)
Operating temperature	-25 / +50 °C



### FUNCTIONS

Flex latch	No
Monoblock latch	Yes (Panic)
Special jaw	No
Unlocking (D)	No
Microswitch (305)	Optional
Bidirectional diode	Optional



### SUPPLEMENTS

Supplied with 8 x 1 mm supplements, becoming compatible with practically all panic bars on the market.

### REGULATION

Electromagnetic compatibility	Directive 2014/30/EU
RAEE	RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010



## MODELS

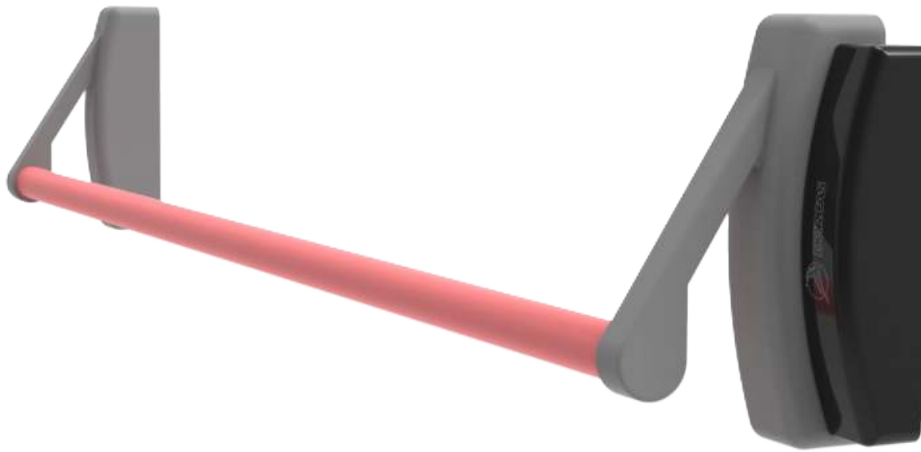
### 81 N



### 81 N 305



### 81 Aa



## SPECIAL JAWS



### A81+

Manufactured in NICKEL PLATED STEEL



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

## ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	6-12	8-12	24	12(412)	24(424)	12(512)	24(524)
	AC-DC	AC-DC	AC-DC	DC	DC	DC	DC
FUNCTIONMENT	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SAFE	FAIL SAFE
COIL RESISTANCE (Ω)	8	17	58	68	220	70	230
ELECTRICAL DUTY CYCLE (%ED)	10%ED	20%ED	20%ED	100%ED 12 VDC	100%ED 24 VDC	100%ED 12 VDC	100%ED 24 VDC
AC CURRENT CONSUMPTION (mA)	565 (6 V) 1150 (12 V)	350 (8 V) 510 (12 V)	340	-	-	-	-
DC CURRENT CONSUMPTION (mA)	750 (6 V) 1500 (12 V)	490 (8 V) 715 (12 V)	410	210	120	190	110
MAX PRELOAD OPEN AC (N)	100N (12 V)	-	-	-	-	-	-
MAX PRELOAD OPEN DC (N)	-	-	-	-	-	-	-

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.

# DORCAS

## 82 SERIES

EVACUATION ROUTES

Surface-mounted, reversible series with concealed fixture. Designed with a special concave latch to be used in combination with **European panic bars**. It is supplied with 8 x 1 mm supplements.

Compatible with almost all panic bars on the market, including panic bars with non-curved deadlocks.

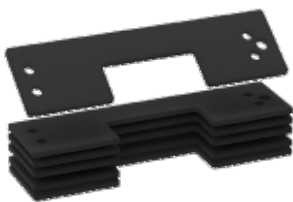
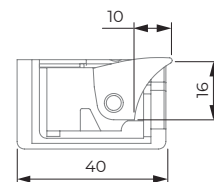
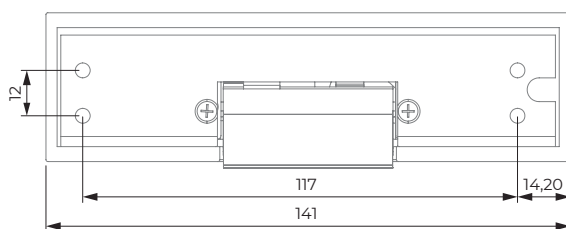
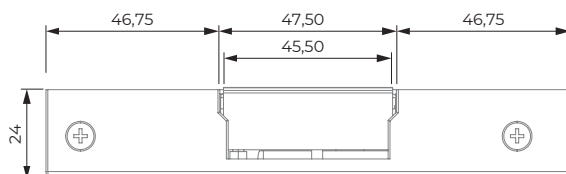


### INSTALLATION SPECIFICATIONS

Type of installation	Surface-mounted
Reversible	Yes
Symmetrical	Yes
Height	141 mm
Width	24.50 mm
Depth	40 mm
Latch insertion depth	10 mm
Flex latch adjustment (F)	0 mm
Electrically tested cycles	200,000
Break-in resistance	2,950 N / 5,900 N (Reinforced)
Operating temperature	-25 / +50 °C

### FUNCTIONS

Flex latch	No
Monoblock latch	Yes (Panic)
Special jaw	No
Unlocking (D)	No
Microswitch (305)	Optional
Bidirectional diode	Optional



### SUPPLEMENTS

Supplied with 8 x 1 mm supplements, becoming compatible with practically all panic bars on the market.

### REGULATION

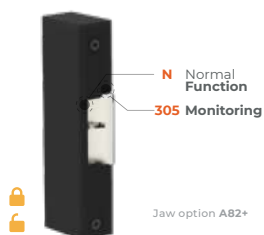
Electromagnetic compatibility	Directive 2014/30/EU
RAEE	RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

## MODELS

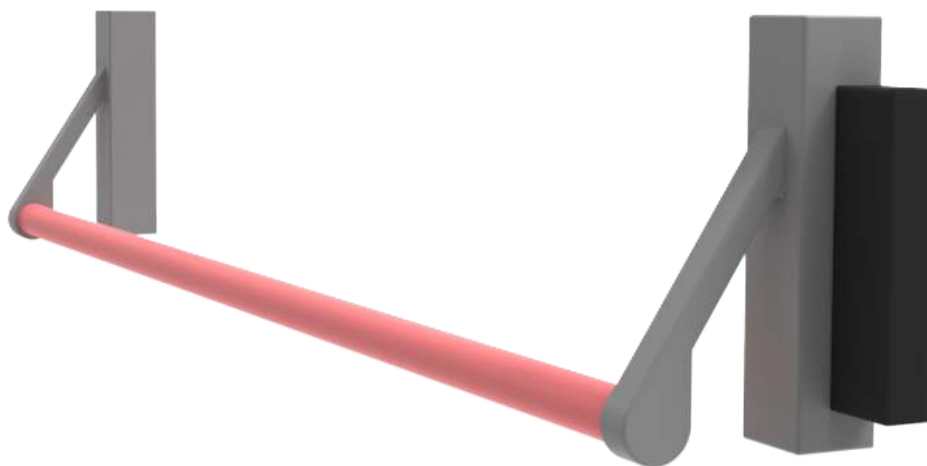
### 82 N



### 82 N 305



### 82 Aa



## SPECIAL JAWS



### A82+

Manufactured in NICKEL PLATED STEEL



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

## ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	6-12	8-12	24	12(412)	24(424)	12(512)	24(524)
	AC-DC	AC-DC	AC-DC	DC	DC	DC	DC
FUNCTIONMENT	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SAFE	FAIL SAFE
COIL RESISTANCE (Ω)	8	17	58	68	220	70	230
ELECTRICAL DUTY CYCLE (%ED)	10%ED	20%ED	20%ED	100%ED 12 VDC	100%ED 24 VDC	100%ED 12 VDC	100%ED 24 VDC
AC CURRENT CONSUMPTION (mA)	565 (6 V) 1150 (12 V)	350 (8 V) 510 (12 V)	340	-	-	-	-
DC CURRENT CONSUMPTION (mA)	750 (6 V) 1500 (12 V)	490 (8 V) 715 (12 V)	410	210	120	190	110
MAX PRELOAD OPEN AC (N)	100N (12 V)	-	-	-	-	-	-
MAX PRELOAD OPEN DC (N)	-	-	-	-	-	-	-

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.

**48 SERIES** FOR ARMoured AND REINFORCED DOORS.....PAGE 116-117





Strike designed to be incorporated in doors with multi-point locks facilitate access automatically.

Models commonly used with Italian security locks.



# DORCAS

ITALIAN LOCKS

## 48 SERIES

Non-reversible series, ideal **for armoured and reinforced doors** with locks with Italian type bolts. Its special curved design allows the first bolt of the lock to be passed through, enabling its insertion. It can be installed both flush and surface-mounted.



### INSTALLATION SPECIFICATIONS

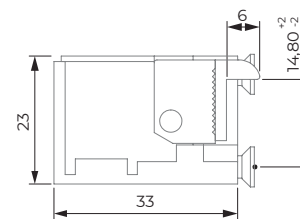
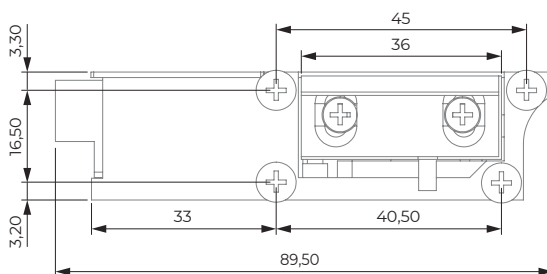
Type of installation	Flush-mounted / Surface-mounted
Reversible	No
Symmetrical	No
Height	89 mm
Width	23 mm
Depth	33 mm
Latch insertion depth	6 mm
Flex latch adjustment (F)	+2 -1 mm
Electrically tested cycles	200,000
Break-in resistance	4,000 N
Operating temperature	-25 / +50 °C



3 C 5 0 - 0 0 0 0  
EN 14846-2008 - System 1

### FUNCTIONS

Flex latch	Yes
Monoblock latch	No
Special jaw	Optional
Unlocking (D)	Optional
Microswitch (305)	No
Bidirectional diode	Optional



### RECOMMENDED FACEPLATES

F  
P  
9  
3



#### WD - WI

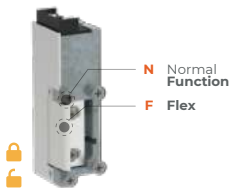
The 48 series can be made surface-mountable by adding the WD or WI casing (depending on the hand).

### REGULATION

Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

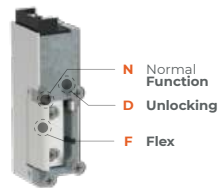
## MODELS

### 48 NF



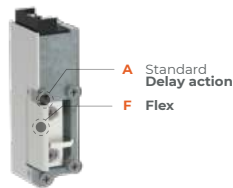
Jaw option A48 L9  
Jaw option A48+

### 48 NDF



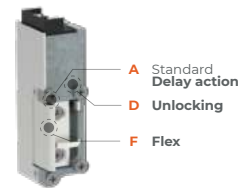
Jaw option A48 L9  
Jaw option A48+

### 48 AF



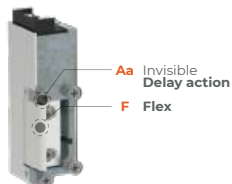
Jaw option A48 L9  
Jaw option A48+

### 48 ADF

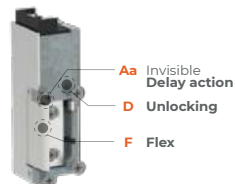


Jaw option A48 L9  
Jaw option A48+

### 48 AaF



### 48 AaDF



NOTE: For this series of electric strike, hand selection must be made in accordance with regulation DIN 107 (Page 13). In this series we have to take into account whether the lock has bolts above or below the latch



## SPECIAL JAWS



### A48 L9

Manufactured in NICKEL PLATED STEEL



### A48+

Manufactured in STEEL F114



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

## ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	6-12	8-12	24	12(412)	24(424)	12(512)	24(524)
	AC-DC	AC-DC	AC-DC	DC	DC	DC	DC
FUNCTIONMENT	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SAFE	FAIL SAFE
COIL RESISTANCE (Ω)	8	17	58	58	220	70	230
ELECTRICAL DUTY CYCLE (%ED)	10%ED	20%ED	20%ED	100%ED 12 VDC	100%ED 24 VDC	100%ED 12 VDC	100%ED 24 VDC
AC CURRENT CONSUMPTION (mA)	565 (6 V) 1150 (12 V)	350 (8 V) 510 (12 V)	340	-	-	-	-
DC CURRENT CONSUMPTION (mA)	750 (6 V) 1500 (12 V)	490 (8 V) 715 (12 V)	410	210	120	190	110
MAX. PRELOAD OPEN AC (N)	100N (12 V)	-	-	-	-	-	-
MAX. PRELOAD OPEN DC (N)	-	-	-	-	-	-	-

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.

**78 SERIES** FOR VERY HEAVY, HIGH-SECURITY DOORS.....PAGE 120-121

**78C SERIES** INSERTION FOR GLASS DOOR, FAIL SAFE.....PAGE 122-123







Range of strikes designed for situations requiring greater protection. Optimal for installations where the doors are very heavy and high-security.



# DORCAS

## 78 SERIES

HIGH SECURITY

Special series for installations requiring **very heavy or high-security doors**. It is extremely strong, with 1,300 kg of maximum breakage resistance.



**P11**

We recommend installing the 78 series strike with latch P11

### INSTALLATION SPECIFICATIONS

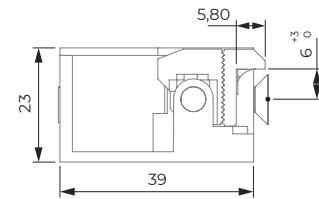
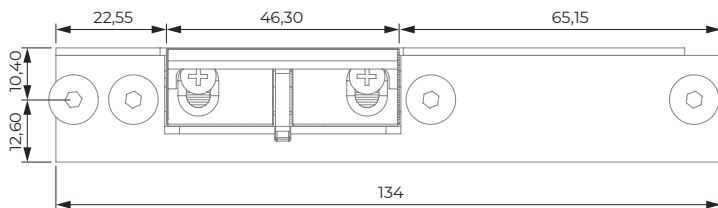
Type of installation	Flush-mounted
Reversible	No
Symmetrical	No
Height	134 mm
Width	23,20 mm
Depth	39 mm
Latch insertion depth	5,80 mm
Flex latch adjustment (F)	+3 -0 mm
Electrically tested cycles	200,000
Break-in resistance	12,700 N
Operating temperature	-25 / +50 °C



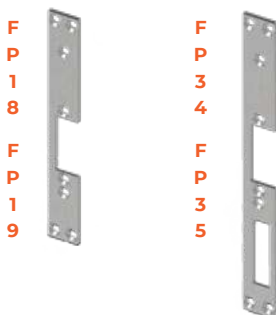
3 C 5 0 - 0 0 1 0  
EN 14846-2008 - System 1

### FUNCTIONS

Flex latch	Yes
Monoblock latch	No
Special jaw	No
Unlocking (D)	No
Microswitch (305)	Optional
Bidirectional diode	Optional



### RECOMMENDED FACEPLATES

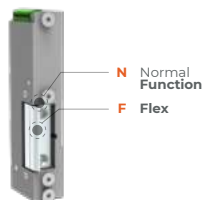


### REGULATION

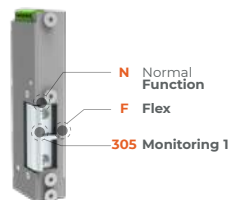
Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

## MODELS

### 78 NF



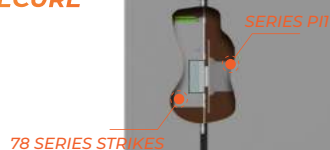
### 78 NF 305



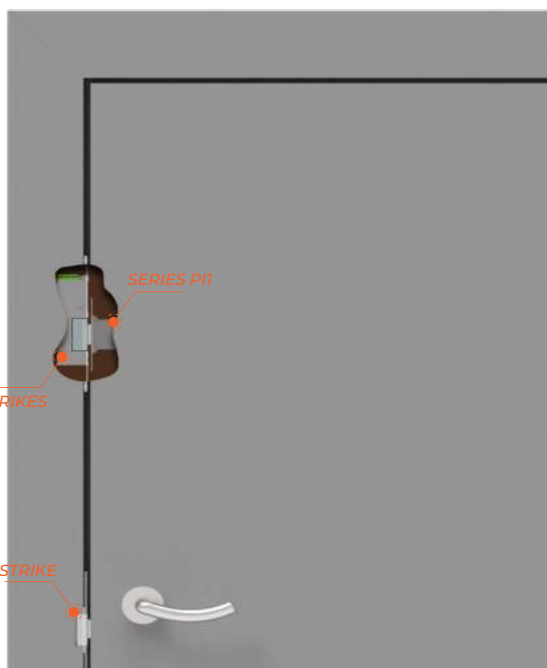
NOTE: For this series of electric strike, hand selection must be made in accordance with regulation DIN 107(Page 13).



### FAIL SECURE



### COMMON STRIKE



## ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	6-12	8-12	12	24	12(512)	24(524)
	AC-DC	AC-DC	AC-DC	AC-DC	DC	DC
FUNCTIONMENT	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE
COIL RESISTANCE ( $\Omega$ )	8	17	30	68	68	220
ELECTRICAL DUTY CYCLLE (%ED)	10%ED	20%ED	100%ED	20%ED	100%ED 12 VDC	100%ED 24 VDC
AC CURRENT CONSUMPTION (mA)	565 (6 V) 1150 (12 V)	350 (8 V) 510 (12 V)	260	280	-	-
DC CURRENT CONSUMPTION (mA)	750 (6 V) 1500 (12 V)	490 (8 V) 715 (12 V)	380	370	180	120
MAX. PRELOAD OPEN AC (N)	-	-	-	-	-	-
MAX. PRELOAD OPEN DC (N)	-	-	-	-	-	-

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.

# DORCAS HIGH SECURITY

## 78C SERIES

Derived from series 77, it is a specific variant for glass doors. Its articulated latch allows the **insertion of the glass leaf**.



### INSTALLATION SPECIFICATIONS

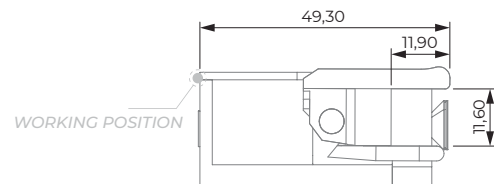
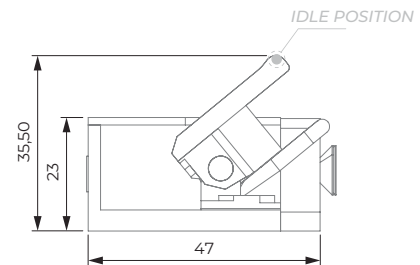
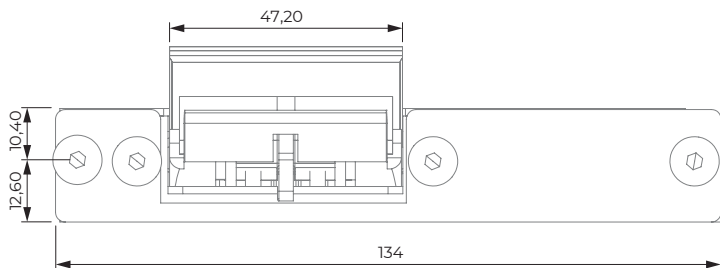
Type of installation	Flush-mounted
Reversible	No
Symmetrical	No
Height	134 mm
Width	23 mm
Depth	47 mm
Latch insertion depth	11.90 mm
Flex latch adjustment (F)	0 mm
Electrically tested cycles	200,000
Break-in resistance	7,450 N
Operating temperature	-25 / +50 °C



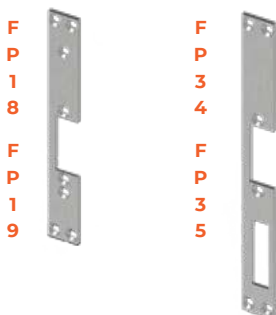
3 C 5 0 - 0 0 1 0  
EN 14846-2008 - System 1

### FUNCTIONS

Flex latch	No
Monoblock latch	Yes
Special jaw	No
Unlocking (D)	No
Microswitch (305)	Optional
Bidirectional diode	Yes



### RECOMMENDED FACEPLATES



### REGULATION

Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

## MODELS

### 78C N



**N** Normal  
Function

### 78C N 305



**N** Normal  
Function  
**305** Monitoring 1

NOTE: For this series of electric strike, hand selection must be made in accordance with regulation DIN 107 (Page 13).



## FAIL SAFE

78C SERIES STRIKES

87 SERIES STRIKES



## ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	12(512)	24(524)	48(548)
	DC	DC	DC
FUNCTIONMENT	FAIL SAFE	FAIL SAFE	FAIL SAFE
COIL RESISTANCE ( $\Omega$ )	34	150	685
ELECTRICAL DUTY CYCLE (%ED)	100%ED 12 VDC	100%ED 24 VDC	100%ED 48 VDC
AC CURRENT CONSUMPTION (mA)	-	-	-
DC CURRENT CONSUMPTION (mA)	360	160	70
MAX. PRELOAD OPEN AC (N)	-	-	-
MAX. PRELOAD OPEN DC (N)	4000	4000	4000

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.

**99 SERIES** MULTIVOLTAGE COIL AND TOP SYSTEMS.....PAGE 126-129

**NEW SL99 SERIES** BREAKAGE UP TO 400 KG.....PAGE 130-131

**SM99 SERIES** BREAKAGE UP TO 550 KG.....PAGE 132-133

**SS99 SERIES** BREAKAGE UP TO 900 KG.....PAGE 134-135

**SW99 SERIES** WATER RESISTANT (IP68).....PAGE 136-139

**SF99 SERIES** FIRE-RESISTANT 120'.....PAGE 140-141

**NEW 99 PL SERIES** PRELOAD UP TO 40 KG.....PAGE 142-143

**AT99 SERIES** AUTOMATIC TIMED.....PAGE 144-145

**99 SERIES JAWS** AVAILABLE VERSIONS.....PAGE 146-147





**DORCAS**  
**TOTALLY POLYVALENT**

The series that has it all, DORCA's most polyvalent.

Available for a wide range of versions and functionalities for each series.

They cover any need, from waterproof to fire rated.



# DORCAS

## 99 SERIES

TOTALLY POLYVALENT

Its **multivoltage coil** enables supply both in AC and in DC in a range from 10 to 24 volts, giving any installation great adaptability.

It's ideal for any type of installation, thanks to its small dimensions, which means it can fit any door.



### INSTALLATION SPECIFICATIONS

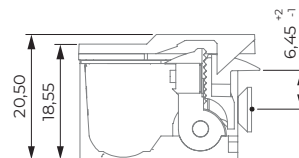
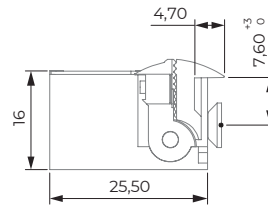
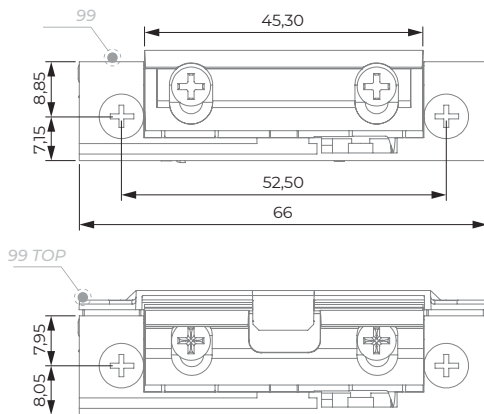
Type of installation	Flush-mounted
Reversible	Yes
Symmetrical	Yes
Height	66 mm / 74 mm (305)
Width	16 mm / 20,50 mm (TOP)
Depth	25,50 mm
Latch insertion depth	4.70 mm
Flex latch adjustment (F)	+3 -0 mm / +2 -1 mm (TOP)
Electrically tested cycles	200,000
Break-in resistance	3,500 N
Operating temperature	-25 / +50 °C



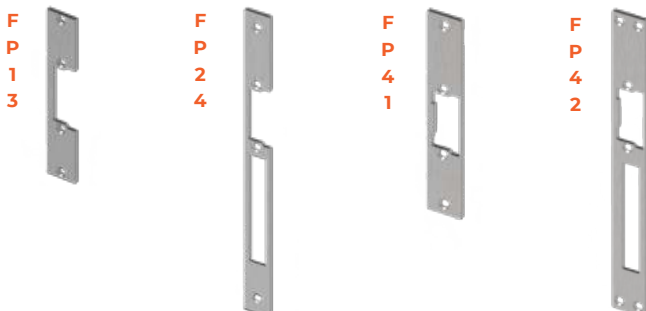
3 C X 5 0 - L 0 1 2  
EN 14846-2008 - System 1

### FUNCTIONS

Flex latch	Yes
Monoblock latch	No
Special jaw	Optional
Unlocking (D)	Optional
Microswitch (305)	Optional
Bidirectional diode	Optional



### RECOMMENDED FACEPLATES



### REGULATION

Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

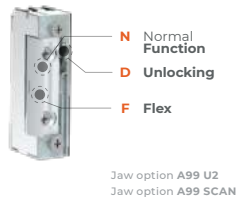


# MODELS

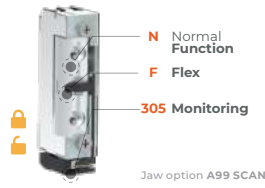
### 99 NF



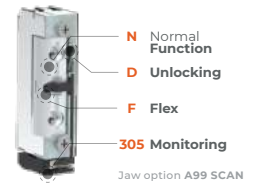
### 99 NDF



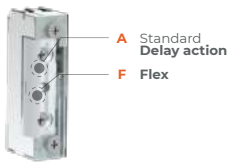
### 99 NF 305



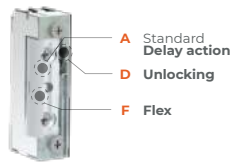
### 99 NDF 305



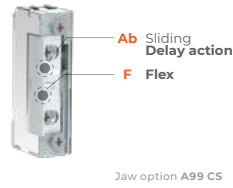
### 99 AF



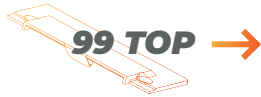
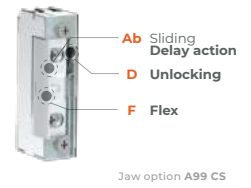
### 99 ADF



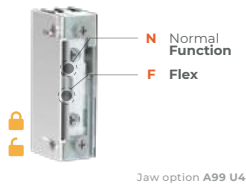
### 99 AbF



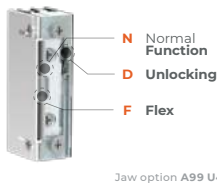
### 99 AbDF



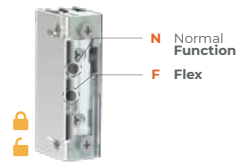
### 99 NF TOP



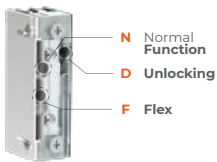
### 99 NDF TOP



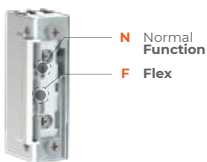
### 99 NF TOP DOUBLE



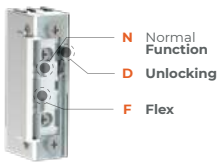
### 99 NDF TOP DOUBLE



### 99 NF TOP 2



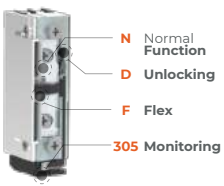
### 99 NDF TOP 2



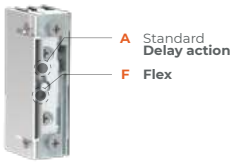
### 99 NF TOP 305



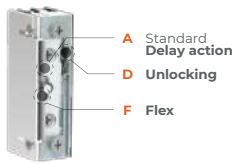
### 99 NDF TOP 305



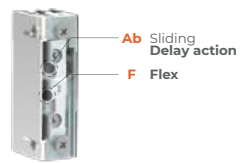
### 99 AF TOP



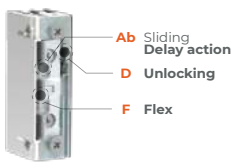
### 99 ADF TOP



### 99 AbF TOP DOUBLE



### 99 AbDF TOP DOUBLE



The TOP versions facilitate the guiding of the latch and at the same time **simplify the installation** and make it **more attractive**, as they allow the strike to be installed without making any cut-out in the frame



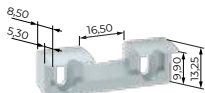
TOP version with a central guide ramp, which facilitates the guiding of the latch into the strike.

Version in STEEL  
Version in MIM

It has been developed to enable the TOP system to be combined with automatic sliding (AB), something not available until now. Furthermore, the two ramps provide a greater range of action.

This version has an exterior extension that facilitates the entry of the latch, making for a less aggressive closure. This system allows for the refitting of a NO TOP strike and faceplate with a cut-out already made in the frame. Especially indicated for PVC.

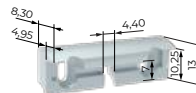
### SPECIAL JAWS



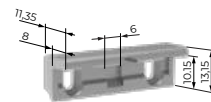
**A99 U2**  
Manufactured in ZAMAK



**A99 U4**  
Manufactured in ZAMAK



**A99 CS**  
Manufactured in ZAMAK



**A99 SCAN**  
Manufactured in MIM



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

## ELECTRICAL SPECIFICATIONS



### MULTIVOLTAGE

VOLTAGE RANGE	10-24	6-12	8-12	24	24(424)	10-28	12(512)	24(524)	
	AC-DC	AC-DC	AC-DC	AC-DC	DC	DC	DC	DC	
FUNCTIONMENT	FAIL SECURE		FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SAFE	FAIL SAFE	FAIL SAFE	
	N	A - AB							
COIL RESISTANCE (Ω)	43	38	8	17	58	132	43	63	230
ELECTRICAL DUTY CYCLE (%ED)	100%ED 12 VDC	100%ED 12 VDC	10%ED	20%ED	20%ED	100%ED 24 VDC	100%ED 12-24 VDC	100%ED 12 VDC	100%ED 24 VDC
AC CURRENT CONSUMPTION (mA)	175 (10 V) 200 (12 V) 400 (24 V)	210 (10 V) 250 (12 V) 510 (24 V)	565 (6 V) 1150 (12 V) -	350 (8 V) 510 (12 V) -	340	-	-	-	-
DC CURRENT CONSUMPTION (mA)	240 (10 V) 280 (12 V) 570 (24 V)	270 (10 V) 320 (12 V) 650 (24 V)	750 (6 V) 1500 (12 V) -	490 (8 V) 715 (12 V) -	410	200	165 (10 V) 190 (12 V) 78 (24 V)	200	110
MAX. PRELOAD OPEN AC (N)	250N (12 V) 360N (24 V)		-	-	-	-	-	-	-
MAX. PRELOAD OPEN DC (N)	55N (12 V) 220N (24 V)		-	-	-	-	-	-	-

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.



# DORCAS

TOTALLY POLYVALENT

## SL99 SERIES

All the advantages of the 99 series with extra strength. The **maximum breaking strength up to 400 kg**. This SL99 version is ideal for installations where the lock release may require more demanding use.



### INSTALLATION SPECIFICATIONS

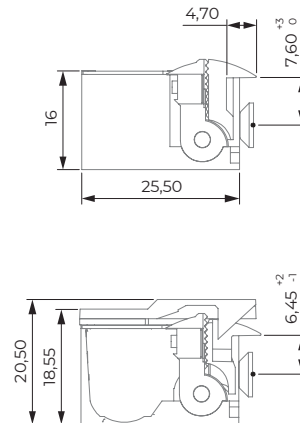
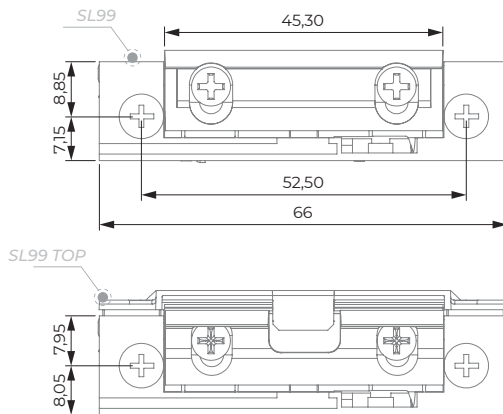
Type of installation	Flush-mounted
Reversible	Yes
Symmetrical	Yes
Height	66 mm / 74 mm (305)
Width	16 mm / 20,50 mm (TOP)
Depth	25,50 mm
Latch insertion depth	4.70 mm
Flex latch adjustment (F)	+3 -0 mm / +2 -1 mm (TOP)
Electrically tested cycles	200,000
Break-in resistance	3,850 N
Operating temperature	-25 / +50 °C



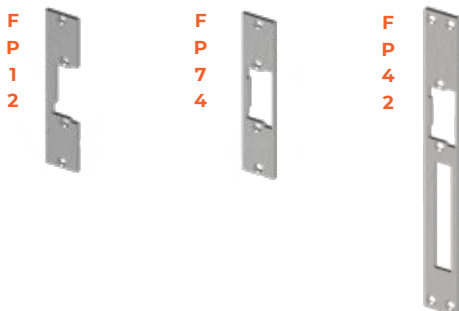
3 C 5 0 - L 0 1 0  
EN 14846-2008 - System 1

### FUNCTIONS

Flex latch	Yes
Monoblock latch	No
Special jaw	Optional
Unlocking (D)	No
Microswitch (305)	Optional
Bidirectional diode	Optional



### RECOMMENDED FACEPLATES

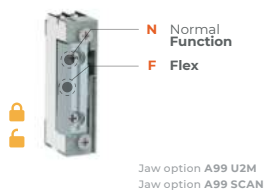


### REGULATION

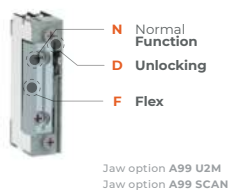
Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

**MODELS**

**SL99 NF**



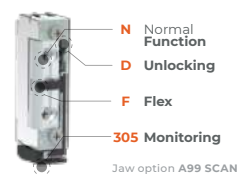
**SL99 NDF**



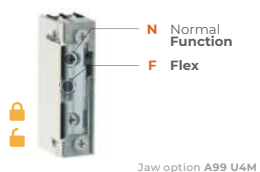
**SL99 NF 305**



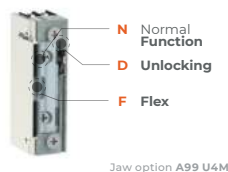
**SL99 NDF 305**



**SL99 NF TOP**



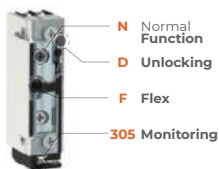
**SL99 NDF TOP**



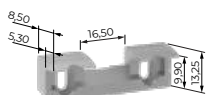
**SL99 NF TOP 305**



**SL99 NDF TOP 305**

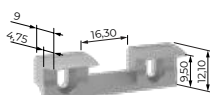


**SPECIAL JAWS**



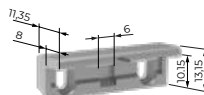
**A99 U2M**

Manufactured in MIM



**A99 U4M**

Manufactured in MIM



**A99 SCAN**

Manufactured in MIM



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

**ELECTRICAL SPECIFICATIONS**



**MULTIVOLTAGE**

VOLTAGE RANGE	10-24	6-12	8-12	24	24(424)	10-28	12(512)	24(524)	
	AC-DC	AC-DC	AC-DC	AC-DC	DC	DC	DC	DC	
FUNCTIONMENT	FAIL SECURE		FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SAFE	FAIL SAFE	FAIL SAFE	
	N	A - AB							
COIL RESISTANCE (Ω)	43	38	8	17	58	132	43	63	230
ELECTRICAL DUTY CYCLE (%ED)	100%ED 12 VDC	100%ED 12 VDC	10%ED	20%ED	20%ED	100%ED 24 VDC	100%ED 12-24 VDC	100%ED 12 VDC	100%ED 24 VDC
AC CURRENT CONSUMPTION (mA)	175 (10 V) 200 (12 V) 400 (24 V)	210 (10 V) 250 (12 V) 510 (24 V)	565 (6 V) 1150 (12 V) -	350 (8 V) 510 (12 V) -	340	-	-	-	-
DC CURRENT CONSUMPTION (mA)	240 (10 V) 280 (12 V) 570 (24 V)	270 (10 V) 320 (12 V) 650 (24 V)	750 (6 V) 1500 (12 V) -	490 (8 V) 715 (12 V) -	410	200	165 (10 V) 190 (12 V) 78 (24 V)	200	110
MAX. PRELOAD OPEN AC (N)	250N (12 V) 360N (24 V)		-	-	-	-	-	-	-
MAX. PRELOAD OPEN DC (N)	55N (12 V) 220N (24 V)		-	-	-	-	-	-	-

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.

# DORCAS

TOTALLY POLYVALENT

## SM99 SERIES

Reinforced version of series 99. Manufacturing its deadlock in steel allows the maximum breakage resistance to be **increased up to 550 kg**. This version is ideal for installations in where the opener needs extra strength.



### INSTALLATION SPECIFICATIONS

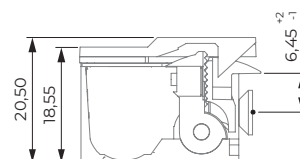
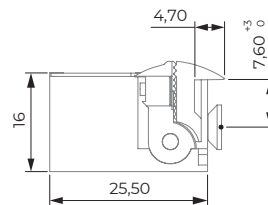
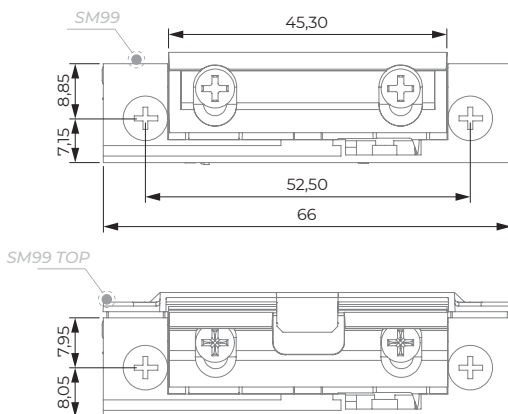
Type of installation	Flush-mounted
Reversible	Yes
Symmetrical	Yes
Height	66 mm / 74 mm (305)
Width	16 mm / 20,50 mm (TOP)
Depth	25,50 mm
Latch insertion depth	4,70 mm
Flex latch adjustment (F)	+3 -0 mm / +2 -1 mm (TOP)
Electrically tested cycles	200,000
Break-in resistance	5,350 N
Operating temperature	-25 / +50 °C



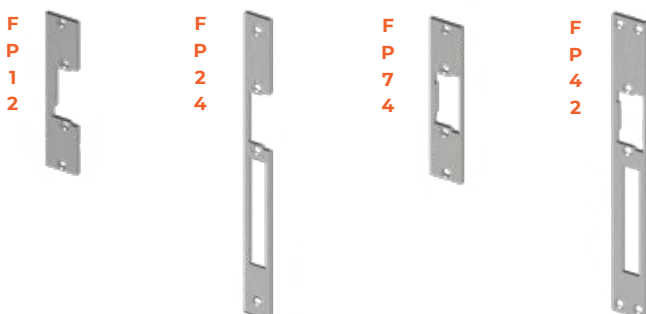
3 C 5 0 - 0 0 1 0 0  
EN 14846-2008 - System 1

### FUNCTIONS

Flex latch	Yes
Monoblock latch	No
Special jaw	Optional
Unlocking (D)	Optional
Microswitch (305)	Optional
Bidirectional diode	Optional



### RECOMMENDED FACEPLATES



### REGULATION

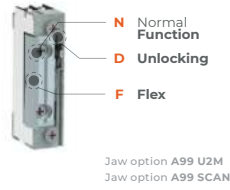
Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

## MODELS

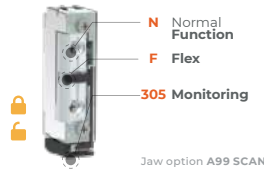
### SM99 NF



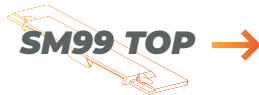
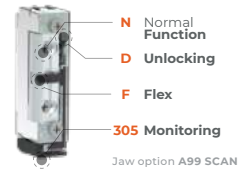
### SM99 NDF



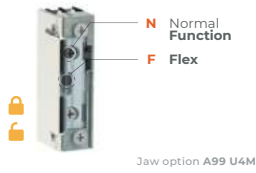
### SM99 NF 305



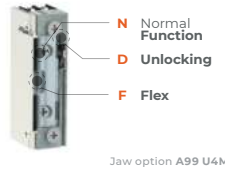
### SM99 NDF 305



### SM99 NF TOP



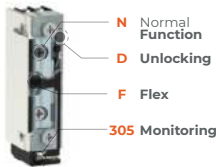
### SM99 NDF TOP



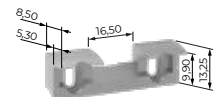
### SM99 NF TOP 305



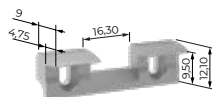
### SM99 NDF TOP 305



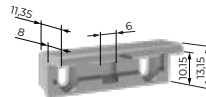
## SPECIAL JAWS



**A99 U2M**  
Manufactured in MIM



**A99 U4M**  
Manufactured in MIM



**A99 SCAN**  
Manufactured in MIM



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

## ELECTRICAL SPECIFICATIONS



### MULTIVOLTAGE

VOLTAGE RANGE	10-24	6-12	8-12	24	24(424)	10-28	12(512)	24(524)
	AC-DC	AC-DC	AC-DC	AC-DC	DC	DC	DC	DC
FUNCTIONMENT	FAIL SECURE		FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SAFE	FAIL SAFE	FAIL SAFE
	N	A - AB						
COIL RESISTANCE (Ω)	43	38	8	17	58	43	63	230
ELECTRICAL DUTY CYCLE (%ED)	100%ED 12 VDC	100%ED 12 VDC	10%ED	20%ED	20%ED	100%ED 12-24 VDC	100%ED 12 VDC	100%ED 24 VDC
AC CURRENT CONSUMPTION (mA)	175 (10 V) 200 (12 V) 400 (24 V)	210 (10 V) 250 (12 V) 510 (24 V)	565 (6 V) 1150 (12 V) -	350 (8 V) 510 (12 V) -	340	-	-	-
DC CURRENT CONSUMPTION (mA)	240 (10 V) 280 (12 V) 570 (24 V)	270 (10 V) 320 (12 V) 650 (24 V)	750 (6 V) 1500 (12 V) -	490 (8 V) 715 (12 V) -	410	165 (10 V) 190 (12 V) 78 (24 V)	200	110
MAX. PRELOAD OPEN AC (N)	250N (12 V) 360N (24 V)		-	-	-	-	-	-
MAX. PRELOAD OPEN DC (N)	55N (12 V) 220N (24 V)		-	-	-	-	-	-

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.

# DORCAS

TOTALLY POLYVALENT

## SS99 SERIES

Series 99 version with maximum breakage resistance. Its manufacture in steel and reinforced materials enables it to reach **up to 800 kg of maximum breakage resistance**, making it the ideal choice for high-demanding installations or those requiring maximum resistance.



### INSTALLATION SPECIFICATIONS

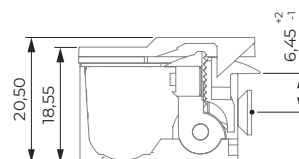
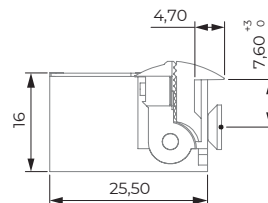
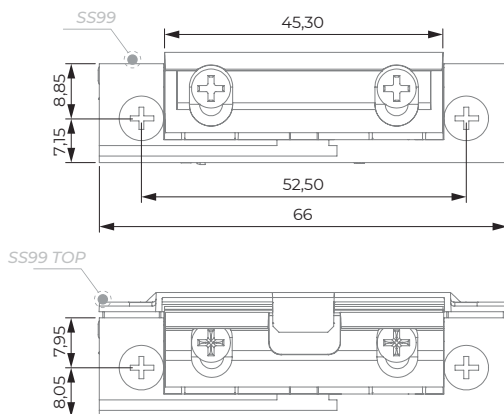
Type of installation	Flush-mounted
Reversible	Yes
Symmetrical	Yes
Height	66 mm / 74 mm (305)
Width	16 mm / 20,50 mm (TOP)
Depth	25,50 mm
Latch insertion depth	4.70 mm
Flex latch adjustment (F)	+3 -0 mm / +2 -1 mm (TOP)
Electrically tested cycles	200,000
Break-in resistance	7,825 N
Operating temperature	-25 / +50 °C



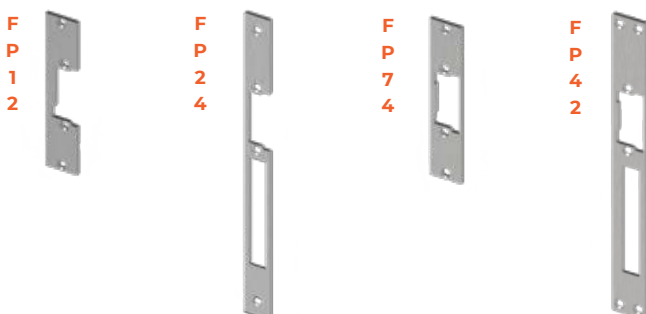
3 C 5 0 - 0 0 1 0  
EN 14846-2008 - System 1

### FUNCTIONS

Flex latch	Yes
Monoblock latch	No
Special jaw	Optional
Unlocking (D)	No
Microswitch (305)	Optional
Bidirectional diode	Optional



### RECOMMENDED FACEPLATES



### REGULATION

Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

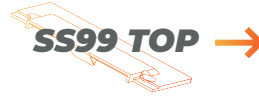


## MODELS

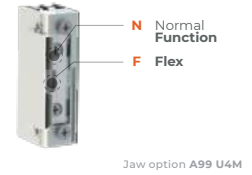
### SS99 NF



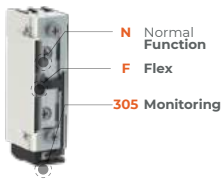
### SS99 NF 305



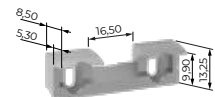
### SS99 NF TOP



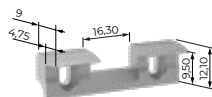
### SS99 NF TOP 305



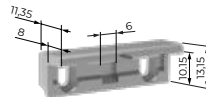
## SPECIAL JAWS



**A99 U2M**  
Manufactured in MIM



**A99 U4M**  
Manufactured in MIM



**A99 SCAN**  
Manufactured in MIM



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

## ELECTRICAL SPECIFICATIONS



### MULTIVOLTAGE

VOLTAGE RANGE	10-24	6-12	8-12	24	24(424)	10-28	12(512)	24(524)
	AC-DC	AC-DC	AC-DC	AC-DC	DC	DC	DC	DC
FUNCTIONMENT	FAIL SECURE		FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SAFE	FAIL SAFE	FAIL SAFE
	N	A - AB						
COIL RESISTANCE (Ω)	43	38	8	17	58	43	63	230
ELECTRICAL DUTY CYCLE (%ED)	100%ED 12 VDC	100%ED 12 VDC	10%ED	20%ED	20%ED	100%ED 12-24 VDC	100%ED 12 VDC	100%ED 24 VDC
AC CURRENT CONSUMPTION (mA)	175 (10 V) 200 (12 V) 400 (24 V)	210 (10 V) 250 (12 V) 510 (24 V)	565 (6 V) 1150 (12 V) -	350 (8 V) 510 (12 V) -	340	-	-	-
DC CURRENT CONSUMPTION (mA)	240 (10 V) 280 (12 V) 570 (24 V)	270 (10 V) 320 (12 V) 650 (24 V)	750 (6 V) 1500 (12 V) -	490 (8 V) 715 (12 V) -	410	165 (10 V) 190 (12 V) 78 (24 V)	200	110
MAX. PRELOAD OPEN AC (N)	250N (12 V) 360N (24 V)	-	-	-	-	-	-	-
MAX. PRELOAD OPEN DC (N)	55N (12 V) 220N (24 V)	-	-	-	-	-	-	-

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.

# DORCAS

TOTALLY POLYVALENT

## SW99 SERIES



**Water resistant version (IP68).** Thanks to its exclusive design, this strike version is ideal for exterior installations affected by the action of water.

In addition, the materials it is manufactured in have been treated against corrosion.



3	C	5	0	-	0	0	1	0
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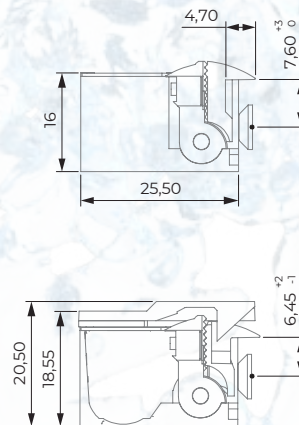
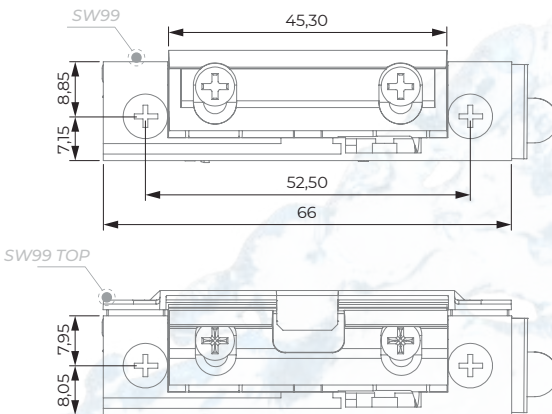
EN 14846-2008 - System 1

### INSTALLATION SPECIFICATIONS

Type of installation	Flush-mounted
Reversible	Yes
Symmetrical	Yes
Height	66 mm / 74 mm (305)
Width	16 mm / 20,50 mm (TOP)
Depth	25,50 mm
Latch insertion depth	4,70 mm
Flex latch adjustment (F)	+3 -0 mm / +2 -1 mm (TOP)
Electrically tested cycles	200,000
Break-in resistance	3,500 N
Operating temperature	-25 / +50 °C

### FUNCTIONS

Flex latch	Yes
Monoblock latch	No
Special jaw	Optional
Unlocking (D)	Optional
Microswitch (305)	Optional
Bidirectional diode	Optional



### RECOMMENDED FACEPLATES

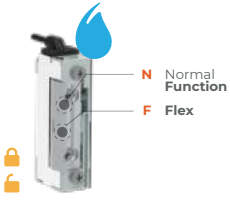


### REGULATION

Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

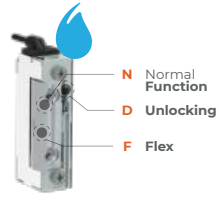
# MODELS

### SW99 NF



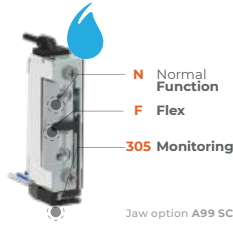
Jaw option A99 U2  
Jaw option A99 SCAN

### SW99 NDF



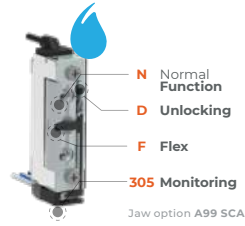
Jaw option A99 U2  
Jaw option A99 SCAN

### SW99 NF 305



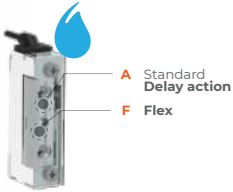
Jaw option A99 SCAN

### SW99 NDF 305

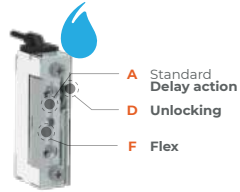


Jaw option A99 SCAN

### SW99 AF



### SW99 ADF

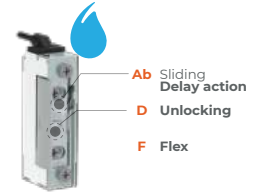


### SW99 AbF



Jaw option A99 CS

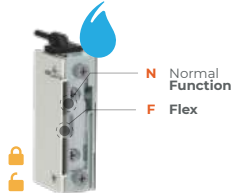
### SW99 AbDF



Jaw option A99 CS

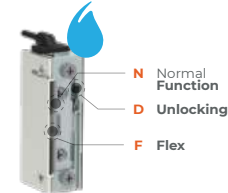


### SW99 NF TOP



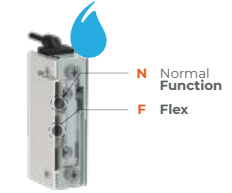
Jaw option A99 U4

### SW99 NDF TOP



Jaw option A99 U4

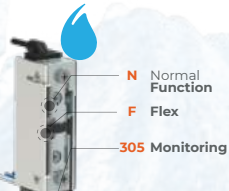
### SW99 NF TOP DOUBLE



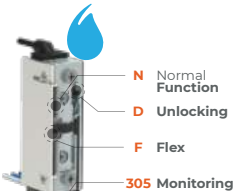
### SW99 NF TOP DOUBLE



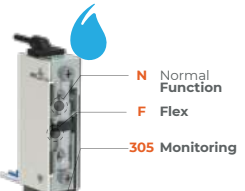
### SW99 NF TOP 305



### SW99 NDF TOP 305



### SW99 NF TOP DOUBLE 305



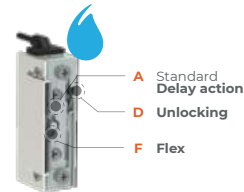
### SW99 NDF TOP DOUBLE 305



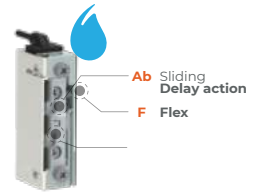
### SW99 AF TOP



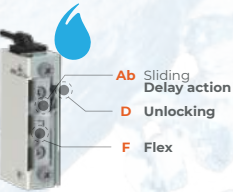
### SW99 ADF TOP



### SW99 AbF TOP DOUBLE



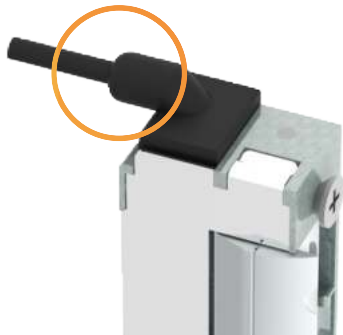
### SW99 AbDF TOP DOUBLE



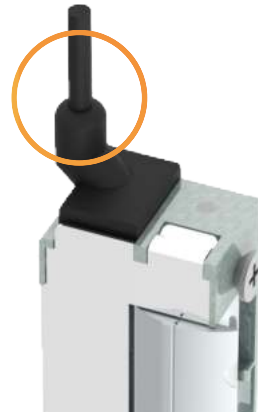
DORCAS has different **length options for the hose: 25 cm, 50 cm, 100 cm or 200 cm.**

The new impermeable system has a connector that allows connection in two positions to further facilitate its installation.

INSTALLATION AT 90°



INSTALLATION AT 180°



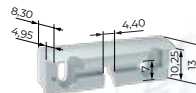
**SPECIAL JAWS**



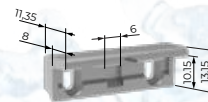
**A99 U2**  
Manufactured in ZAMAK



**A99 U4**  
Manufactured in ZAMAK



**A99 CS**  
Manufactured in ZAMAK



**A99 SCAN**  
Manufactured in MIM

DORCAS - CATALOGUE 2023



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

**ELECTRICAL SPECIFICATIONS**

VOLTAGE RANGE	10-24		6-12	8-12	24	24(424)	<b>NEW</b> 10-28	12(512)	24(524)
	AC-DC		AC-DC	AC-DC	AC-DC	DC	DC	DC	DC
FUNCTIONMENT	FAIL SECURE		FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SAFE	FAIL SAFE	FAIL SAFE
	N	A - AB							
COIL RESISTANCE (Ω)	43	38	8	17	58	132	43	63	230
ELECTRICAL DUTY CYCLE (%ED)	100%ED 12 VDC	100%ED 12 VDC	10%ED	20%ED	20%ED	100%ED 24 VDC	100%ED 12-24 VDC	100%ED 12 VDC	100%ED 24 VDC
AC CURRENT CONSUMPTION (mA)	175 (10 V) 200 (12 V) 400 (24 V)	210 (10 V) 250 (12 V) 510 (24 V)	565 (6 V) 1150 (12 V) -	350 (8 V) 510 (12 V) -	340	-	-	-	-
DC CURRENT CONSUMPTION (mA)	240 (10 V) 280 (12 V) 570 (24 V)	270 (10 V) 320 (12 V) 650 (24 V)	750 (6 V) 1500 (12 V) -	490 (8 V) 715 (12 V) -	410	200	165 (10 V) 190 (12 V) 78 (24 V)	200	110
MAX. PRELOAD OPEN AC (N)	250N (12 V) 360N (24 V)		-	-	-	-	-	-	-
MAX. PRELOAD OPEN DC (N)	55N (12 V) 220N (24 V)		-	-	-	-	-	-	-

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.



**DORCAS**

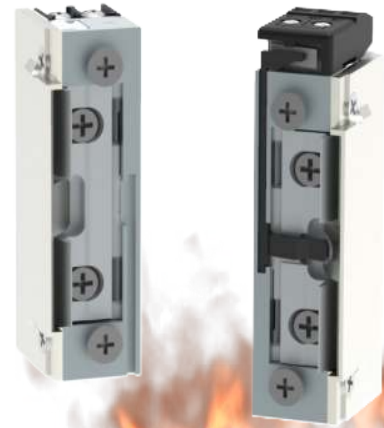


# DORCAS

TOTALLY POLYVALENT

## SF99 SERIES

All the advantages of the 99 series applied to RF doors CE Marking according to UNE-EN 14846:2008, with a **fire resistance class of 120'**.



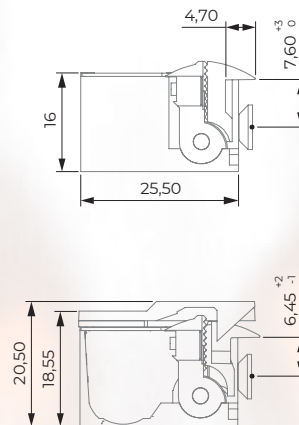
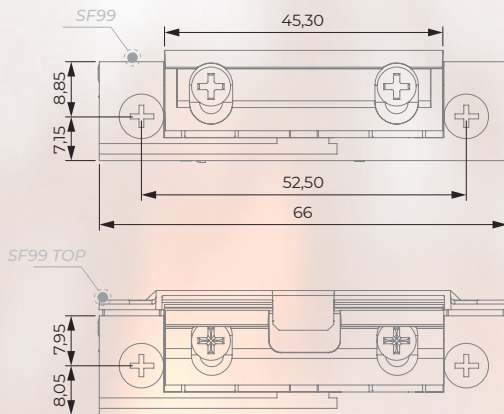
3 C 5 F - 0 0 1 0  
EN 14846-2008 - System 1

### INSTALLATION SPECIFICATIONS

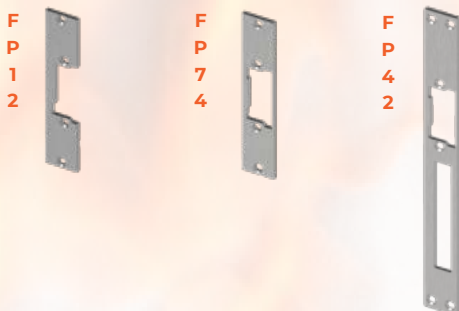
Type of installation	Flush-mounted
Reversible	Yes
Symmetrical	Yes
Height	66 mm / 74 mm (305)
Width	16 mm / 20,50 mm (TOP)
Depth	25,50 mm
Latch insertion depth	4.70 mm
Flex latch adjustment (F)	+3 -0 mm / +2 -1 mm (TOP)
Electrically tested cycles	200,000
Break-in resistance	7,845 N
Operating temperature	-25 / +50 °C

### FUNCTIONS

Flex latch	Yes
Monoblock latch	No
Special jaw	Optional
Unlocking (D)	No
Microswitch (305)	Optional
Bidirectional diode	Optional



### RECOMMENDED FACEPLATES

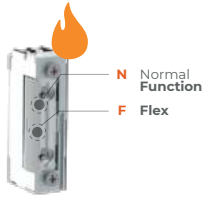


### REGULATION

Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

## MODELS

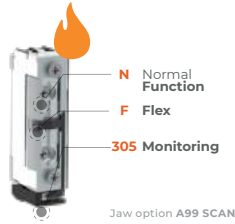
### SF99 NF



- N Normal Function
- F Flex

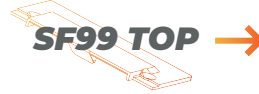
Jaw option A99 U2M  
Jaw option A99 SCAN

### SF99 NF 305

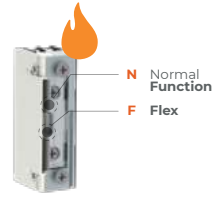


- N Normal Function
- F Flex
- 305 Monitoring

Jaw option A99 SCAN



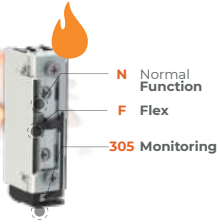
### SF99 NF TOP



- N Normal Function
- F Flex

Jaw option A99 U4M

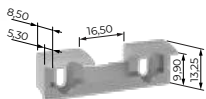
### SF99 NF TOP 305



- N Normal Function
- F Flex
- 305 Monitoring

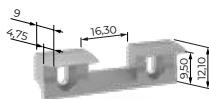
**CERTIFICATION** The SF99 series has a consistent performance certificate. This certificate indicates that all the provisions relating to the conformity assessment described in Annex ZA of the EN 14846:2008 standard have been applied.

## SPECIAL JAWS



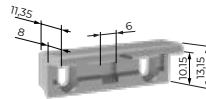
### A99 U2M

Manufactured in MIM



### A99 U4M

Manufactured in MIM



### A99 SCAN

Manufactured in MIM

## ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	10-24		6-12	8-12	24	24(424)
	AC-DC		AC-DC	AC-DC	AC-DC	DC
FUNCTIONMENT	FAIL SECURE					
	N	A - AB	FAIL SECURE	FAIL SECURE	FAIL SECURE	FAIL SECURE
COIL RESISTANCE (Ω)	43	38	8	17	58	132
ELECTRICAL DUTY CYCLE (%ED)	100%ED 12 VDC	100%ED 12 VDC	10%ED	20%ED	20%ED	100%ED 24 VDC
AC CURRENT CONSUMPTION (mA)	175 (10 V) 200 (12 V) 400 (24 V)	210 (10 V) 250 (12 V) 510 (24 V)	565 (6 V) 1150 (12 V) -	350 (8 V) 510 (12 V) -	340	-
DC CURRENT CONSUMPTION (mA)	240 (10 V) 280 (12 V) 570 (24 V)	270 (10 V) 320 (12 V) 650 (24 V)	750 (6 V) 1500 (12 V) -	490 (8 V) 715 (12 V) -	410	200
MAX. PRELOAD OPEN AC (N)	250N (12 V) 360N (24 V)		-	-	-	-
MAX. PRELOAD OPEN DC (N)	55N (12 V) 220N (24 V)		-	-	-	-

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.



TOTALLY POLYVALENT

# 99 PL SERIES



Special version of series 99. It has been designed to guarantee opening in installations with a **preload situation of 40 kg**, with DC power supply. There are two versions, for 12 VDC or 24 VDC.



## INSTALLATION SPECIFICATIONS

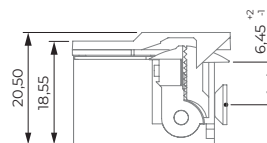
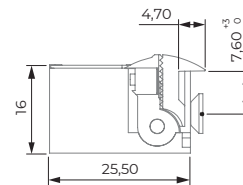
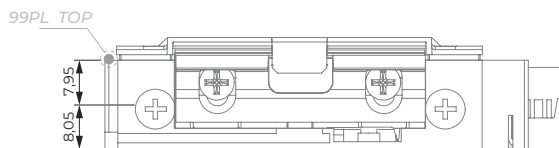
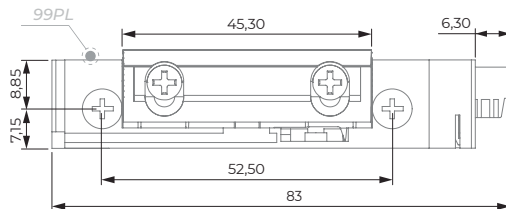
Type of installation	Flush-mounted
Reversible	Yes
Symmetrical	Yes
Height	83 mm / 91 mm (305)
Width	16 mm / 20.50 mm (TOP)
Depth	25.50 mm
Latch insertion depth	4.70 mm
Flex latch adjustment (F)	+3 -0 mm / +2 -1 mm (TOP)
Electrically tested cycles	200,000
Break-in resistance	3,300 N
Operating temperature	-25 / +50 °C



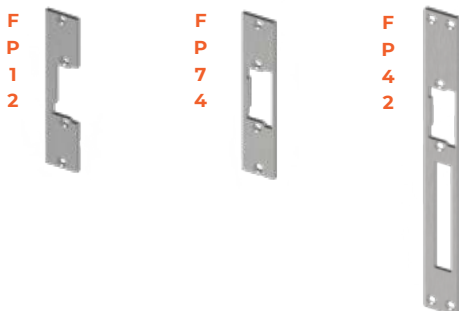
3 C 5 0 - 0 0 1 0 0  
EN 14846-2008 - System 1

## FUNCTIONS

Flex latch	Yes
Monoblock latch	No
Special jaw	No
Unlocking (D)	Optional
Microswitch (305)	Optional
Bidirectional diode	Yes



## RECOMMENDED FACEPLATES



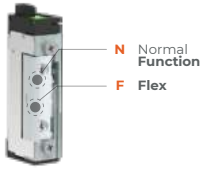
## REGULATION

Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

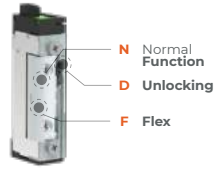


**MODELS**

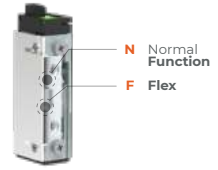
**99PL NF**



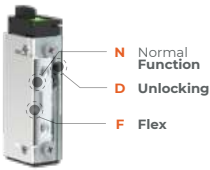
**99PL NDF**



**99PL NF TOP**



**99PL NDF TOP**



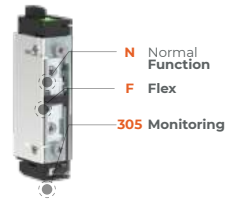
**99PL NF 305**



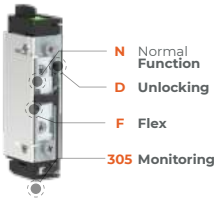
**99PL NDF 305**



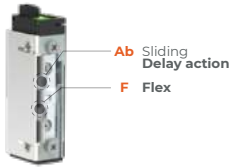
**99PL NF TOP 305**



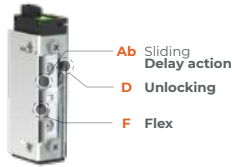
**99PL NDF TOP 305**



**99PL AbF TOP DOUBLE**



**99PL AbDF TOP DOUBLE**



**ELECTRICAL SPECIFICATIONS**

VOLTAGE RANGE	12-24	24
	DC	DC
FUNCTIONMENT	FAIL SECURE	FAIL SECURE
COIL RESISTANCE (Ω)	38	190
ELECTRICAL DUTY CYCLE (%ED)	100%ED 12 VDC	100%ED 24 VDC
AC CURRENT CONSUMPTION (mA)	-	-
DC CURRENT CONSUMPTION (mA)	330 (12 V) 640 (24 V)	140
MAX. PRELOAD OPEN AC (N)	-	-
MAX. PRELOAD OPEN DC (N)	400N (12 V)	400 N

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.

# DORCAS

TOTALLY POLYVALENT

## AT99 SERIES

Special automatic timed version that heightens the installation's security. Depending on the duration of the power supply, the strike activates the automatic function for a certain period of time, after which **it locks the system again** to prevent unwanted openings or break-ins.



### INSTALLATION SPECIFICATIONS

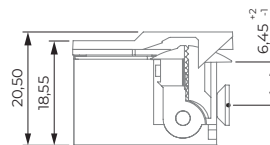
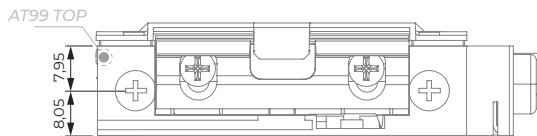
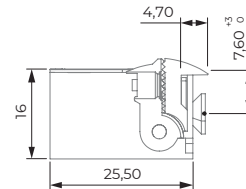
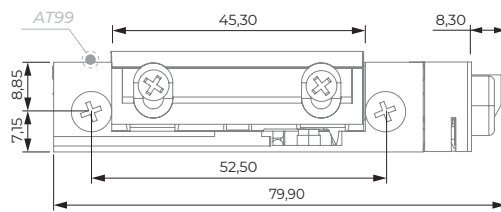
Type of installation	Flush-mounted
Reversible	Yes
Symmetrical	Yes
Height	79.90 mm / 88 mm (305)
Width	16 mm / 20.50 mm (TOP)
Depth	25.50 mm
Latch insertion depth	4.70 mm
Flex latch adjustment (F)	+3 -0 mm / +2 -1 mm (TOP)
Electrically tested cycles	200,000
Break-in resistance	3,500 N
Operating temperature	-25 / +50 °C



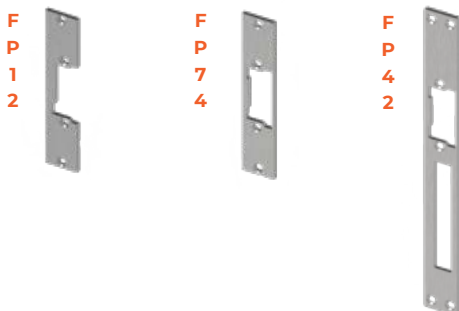
3 C 5 0 - 0 0 0 0  
EN 14846-2008 - System 1

### FUNCTIONS

Flex latch	Yes
Monoblock latch	No
Special jaw	No
Unlocking (D)	Optional
Microswitch (305)	No
Bidirectional diode	Optional



### RECOMMENDED FACEPLATES

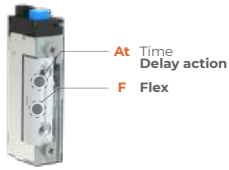


### REGULATION

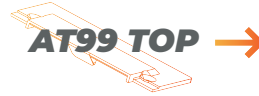
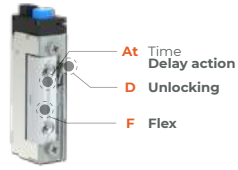
Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

## MODELS

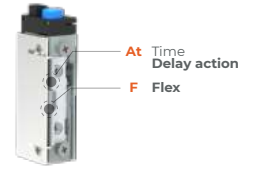
AT99 AtF



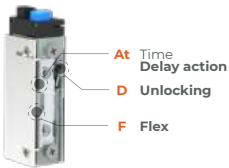
AT99 AtDF



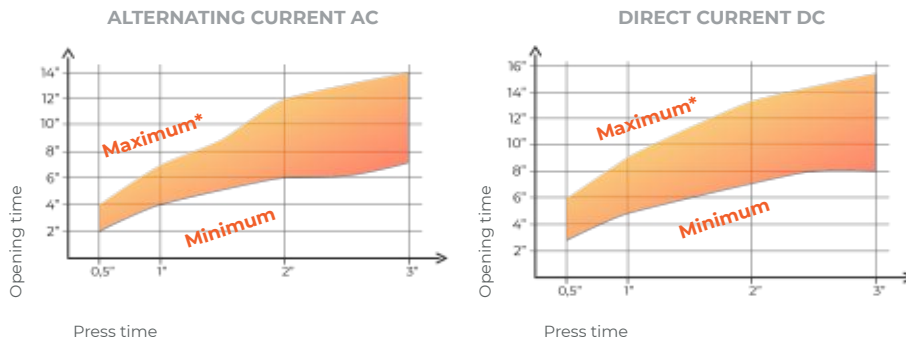
AT99 AtF TOP



AT99 AtDF TOP



The time it gives us to enter depends on the duration of the press; for a 1-second press, we will have from 7 seconds of opening (AC), up to a maximum of 14 seconds.



The maximum opening times occur when the time between one press and another is less than 2 minutes. Press times of over 3 seconds are not recommended.

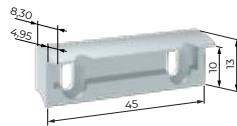
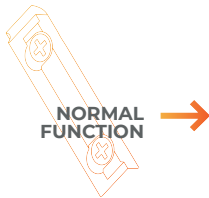
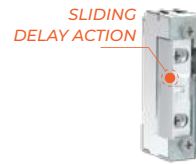
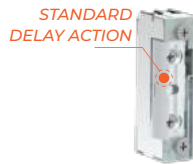
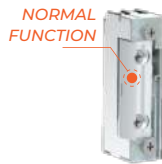
## ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	10-12 AC-DC
FUNCTIONMENT	FAIL SECURE
COIL RESISTANCE (Ω)	30
ELECTRICAL DUTY CYCLE (%ED)	TIMED
AC CURRENT CONSUMPTION (mA)	650 (12 V)
DC CURRENT CONSUMPTION (mA)	650 (12 V)
MAX. PRELOAD OPEN AC (N)	-
MAX. PRELOAD OPEN DC (N)	-
	Maximum coil tolerance 5%.
	%ED has been calculated in accordance with standard time of 10 minutes.

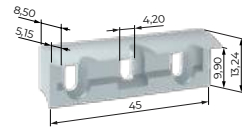
## JAWS FOR 99 SERIES

DORCAS offers a wide range of jaws compatible with certain models in the 99 series, the most polyvalent series. Different changes, both in the design and the material, give them a more specific use and specifically adapted properties. They offer a variety of adjustments, depths and different materials.

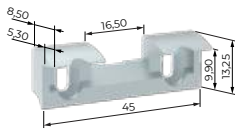
These jaws are going to be divided into normal function, standard delay action and sliding delay action.



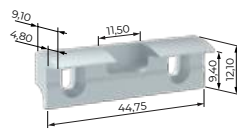
**JAW N**  
 Manufactured in ZAMAK 99-SW99-99PL  
 AT99  
 Ref: E-13234-----



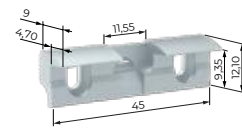
**JAW N 305**  
 Manufactured in ZAMAK 99-SW99-99PL  
 Ref: E-13246-----



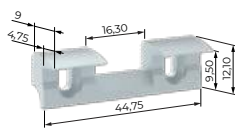
**JAW U2**  
 Manufactured in ZAMAK 99-SW99-99PL  
 Ref: E-13257-----



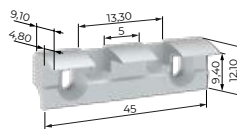
**JAW N TOP**  
 Manufactured in ZAMAK 99-SW99-99PL  
 AT99  
 Ref: E-13242-----



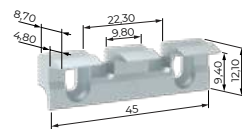
**JAW N 305 TOP**  
 Manufactured in ZAMAK 99-SW99-99PL  
 Ref: E-13255-----



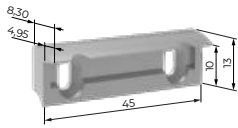
**JAW U4**  
 Manufactured in ZAMAK 99-SW99-99PL  
 Ref: E-13257/U4-----



**JAW N TOP DOUBLE**  
 Manufactured in ZAMAK 99-SW99-99PL  
 Ref: E-13242/TOPD-----



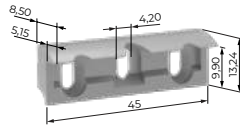
**JAW N TOP 2**  
 Manufactured in ZAMAK 99  
 Ref: E-13251/TOP2-----



**JAW N MIM**

Manufactured in MIM SL99-SM99-S599-SF99

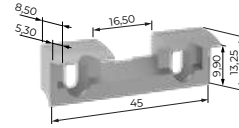
Ref: E-13277-----



**JAW N 305 MIM**

Manufactured in MIM SL99-SM99-S599-SF99

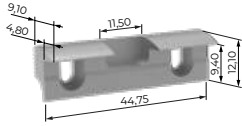
Ref: E-13277-----



**JAW U2 MIM**

Manufactured in MIM SL99-SM99-S599-SF99

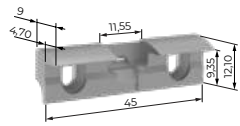
Ref: E-13257-MIM-----



**JAW N TOP MIM**

Manufactured in MIM SL99-SM99-S599-SF99

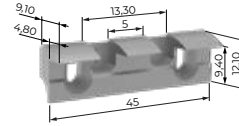
Ref: E-13257-----



**JAW N 305 TOP MIM**

Manufactured in MIM SL99-SM99-S599-SF99

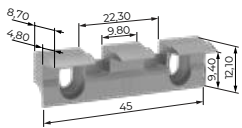
Ref: E-13278-----



**JAW N TOP DOUBLE MIM**

Manufactured in MIM SL99-SM99-S599-SF99

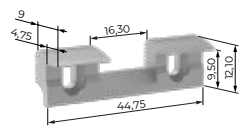
Ref: E-13278/TOPD-----



**JAW N TOP 2 MIM**

Manufactured in MIM SL99-SM99-S599-SF99

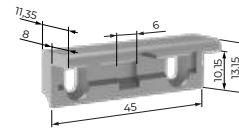
Ref: E-13278/TOP2-----



**JAW U4 MIM**

Manufactured in MIM SL99-SM99-S599-SF99

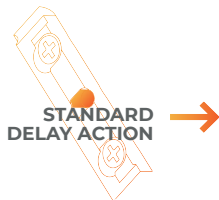
Ref: E-13257/U4-MIM--



**JAW SCAN**

Manufactured in MIM 99-SL99-SM99-S599-SW99-SF99-99PL

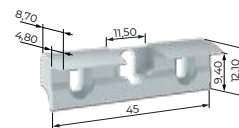
Ref: E-13287-----



**JAW A**

Manufactured in ZAMAK 99-SW99

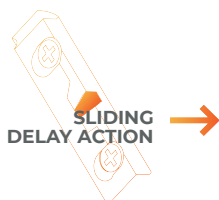
Ref: E-13233-----



**JAW A TOP**

Manufactured in ZAMAK 99-SW99

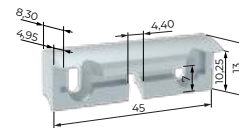
Ref: E-13259-----



**JAW Ab**

Manufactured in ZAMAK 99-SW99

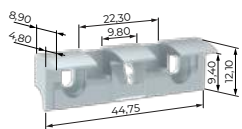
Ref: E-13245-----



**JAW Ab CS**

Manufactured in ZAMAK 99-SW99

Ref: E-13275-----



**JAW Ab TOP DOUBLE**

Manufactured in ZAMAK 99-SW99-99PL

Ref: E-13245/TOPD-----

**NEW 100 SERIES** REVOLUTIONARY TECHNOLOGY.....PAGE 150-151

**NEW SF100 SERIES** FIRE-RESISTANT DST 120'.....PAGE 152-153

**NEW 91 SERIES** POWER SUPPLY 12-24 VDC.....PAGE 90-91

**NEW SF91 SERIES** FOR RF DOORS.....PAGE 92-93





**DORCAS**  
**DORCAS HI-TECH**

New generation of strikes, developed with the DST system patented worldwide by DORCAS, opening with preload in fail safe, it presents an alternative to electromagnetic locks.



# DORCAS

## 100 SERIES

DORCAS HI-TECH



Strikes of very small dimensions that incorporate the new DST technology. Available both in FAIL SECURE and **FAIL SAFE** versions with a guaranteed opening of up to 20 kg.

It is compatible with monitoring (305) to obtain door status signals, as well as with DORCAS TOP systems.



### INSTALLATION SPECIFICATIONS

Type of installation	Flush-mounted
Reversible	Yes
Symmetrical	No
Height	83 mm / 91 mm (305)
Width	16 mm / 20.50 mm (TOP)
Depth	26 mm
Latch insertion depth	4.70 mm
Flex latch adjustment (F)	+3 -0 mm / +2 -1 mm (TOP)
Electrically tested cycles	300,000
Break-in resistance	3,300 N
Operating temperature	-25 / +50 °C

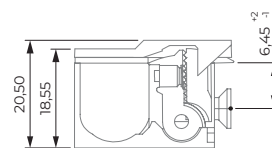
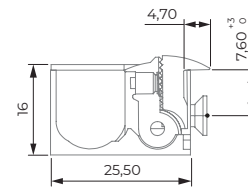
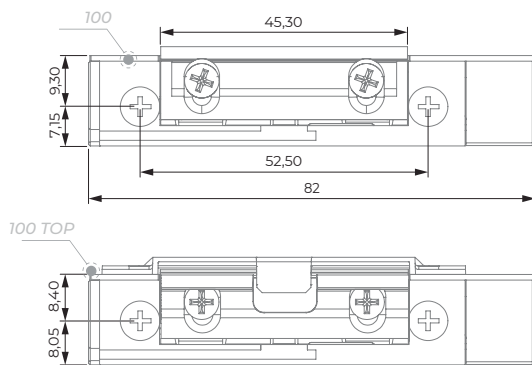


3	C	5	0	-	0	0	1	0
---	---	---	---	---	---	---	---	---

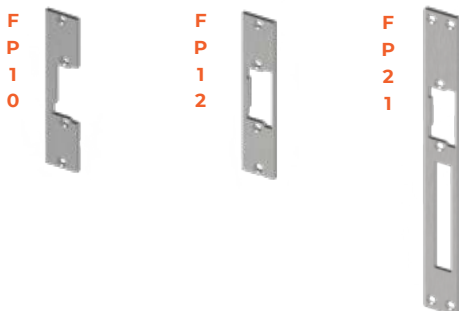
EN 14846-2008 - System 1

### FUNCTIONS

Flex latch	Yes
Monoblock latch	No
Special jaw	No
Unlocking (D)	No
Microswitch (305)	Optional
Bidirectional diode	Yes



### RECOMMENDED FACEPLATES



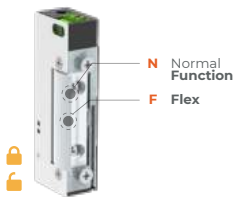
### REGULATION

Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010



**MODELS**

**100 NF**



**100 NF 305**



**100 NF TOP**



**100 NF TOP 305**



The DST (**Dorcas Sliding Technology**) system ensures mechanical opening, both in normal type strikes and reversed strikes, with preload of up to 20 kg. To provide additional security, the strike is equipped with a secondary system that ensures locking if opening is not electrically authorised.

- 1 DST SYSTEM
- 2 MAIN COIL
- 3 BACK-UP LOCKING



The FAIL SAFE version has a screw for regulating the opening force.



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

**ELECTRICAL SPECIFICATIONS**

VOLTAGE RANGE	12(412)	12(512)
	DC	DC
FUNCTIONMENT	FAIL SECURE	FAIL SAFE
COIL RESISTANCE (Ω)	35	35
ELECTRICAL DUTY CYCLE (%ED)	100%ED 12 VDC	100%ED 12 VDC
AC CURRENT CONSUMPTION (mA)	-	-
DC CURRENT CONSUMPTION (mA)	340	340
MAX. PRELOAD OPEN AC (N)	-	-
MAX. PRELOAD OPEN DC (N)	200 N	200 N

Maximum coil tolerance 5%.

%ED has been calculated in accordance with standard time of 10 minutes.

# DORCAS

DORCAS HI-TECH

## SF100 SERIES



All the advantages of the 100 series applied to RF doors CE Marking according to UNE-EN 14846:2008, with a **fire resistance class of 120'**.



### INSTALLATION SPECIFICATIONS

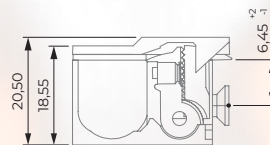
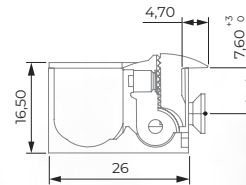
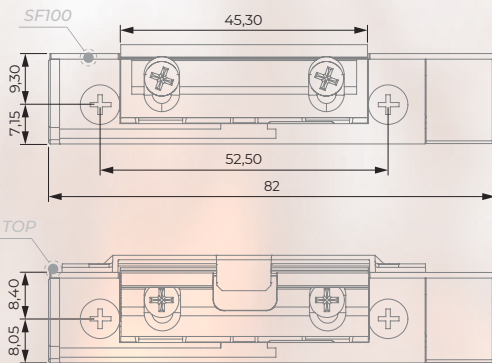
Type of installation	Flush-mounted
Reversible	Yes
Symmetrical	No
Height	82 mm / 91 mm (305)
Width	16.50 mm / 20.50 mm (TOP)
Depth	26 mm
Latch insertion depth	4.70 mm
Flex latch adjustment (F)	+3 -0 mm / +2 -1 mm (TOP)
Electrically tested cycles	300,000
Break-in resistance	3,300 N
Operating temperature	-25 / +50 °C



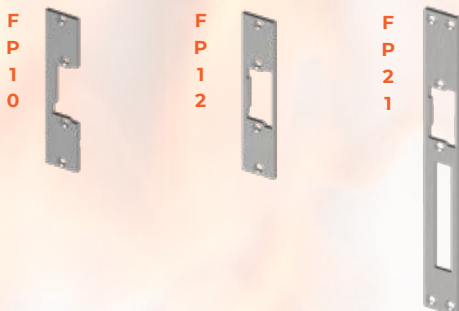
3 X 2 F - 0 0 1 0  
EN 14846-2008 - System 1

### FUNCTIONS

Flex latch	Yes
Monoblock latch	No
Special jaw	No
Unlocking (D)	No
Microswitch (305)	Optional
Bidirectional diode	Yes



### RECOMMENDED FACEPLATES

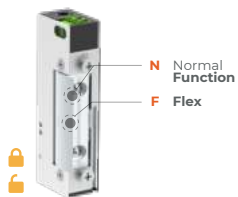


### REGULATION

Electromagnetic compatibility	Directive 2014/30/EU
	RAEE RII AEE 8015
Low voltage directive	Directive 2014/35/EU
Dangerous substances	Directive 2014/65/EU
Building hardware	UNE-EN-14846:2010

**MODELS**

**SF100 NF**



**SF100 NF 305**



**SF100 NF TOP**

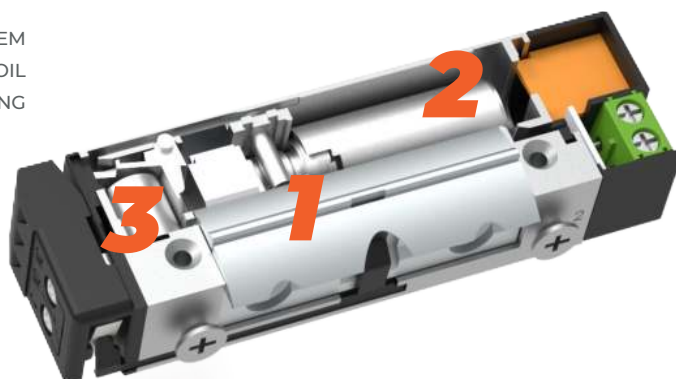


**SF100 NF TOP 305**



The DST (**Dorcas Sliding Technology**) system ensures mechanical opening, both in normal type strikes and reversed strikes, with preload of up to 20 kg. To provide additional security, the strike is equipped with a secondary system that ensures locking if opening is not electrically authorised.

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DC CURRENT CONSUMPTION (mA)	340	340
MAX. PRELOAD OPEN AC (N)	-	-
MAX. PRELOAD OPEN DC (N)	200 N	200 N

Maximum coil tolerance 5%.

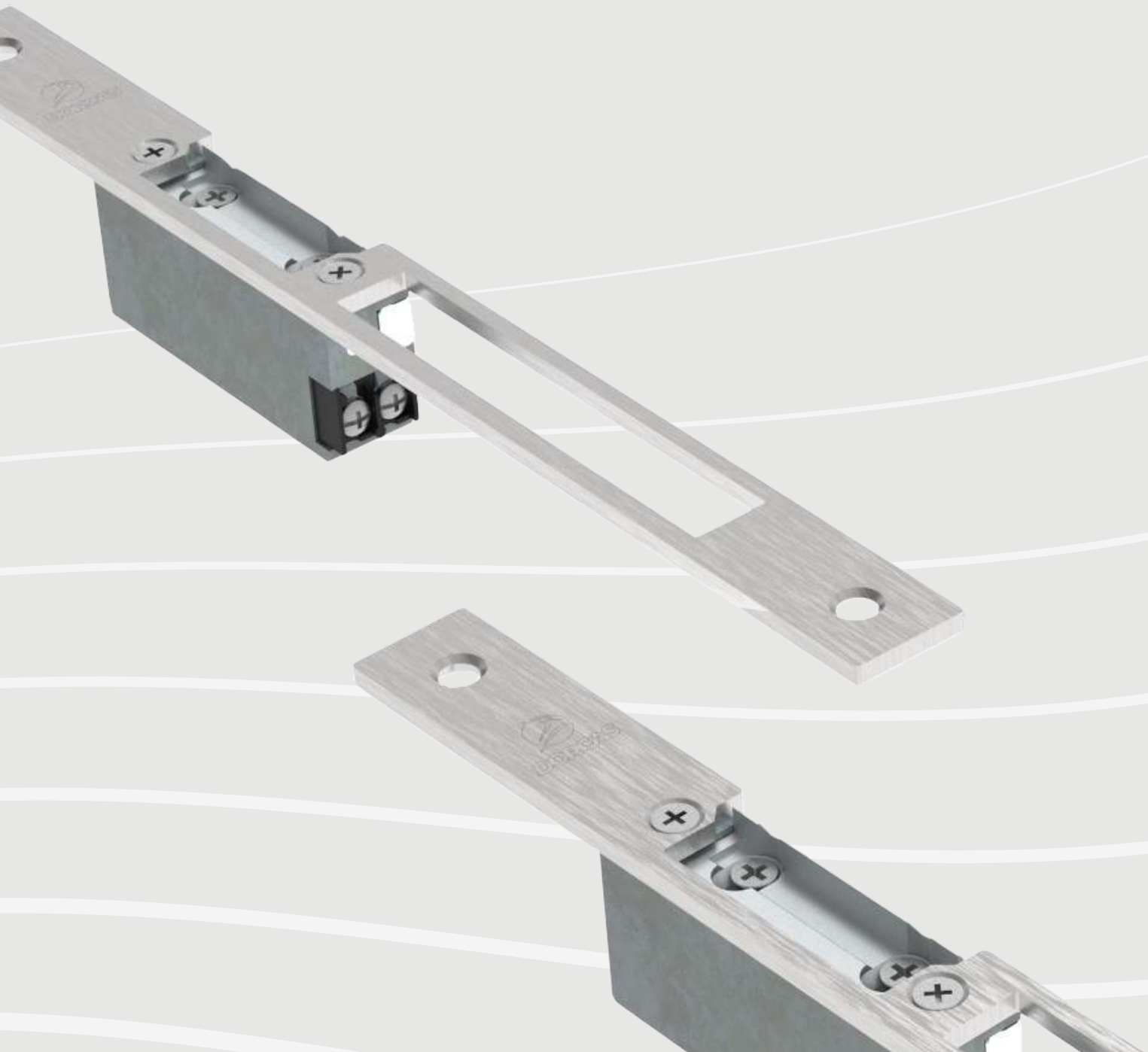
%ED has been calculated in accordance with standard time of 10 minutes.



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.

# FACEPLATES

WHAT IS AN FACEPLATES?





*An faceplate's main purpose is to fasten the strike to the door frame. By including the faceplate, we obtain the benefits of protecting the strike and allowing a smoother sliding of the friction trigger.*



## TPOLOGY

---

### SHORT

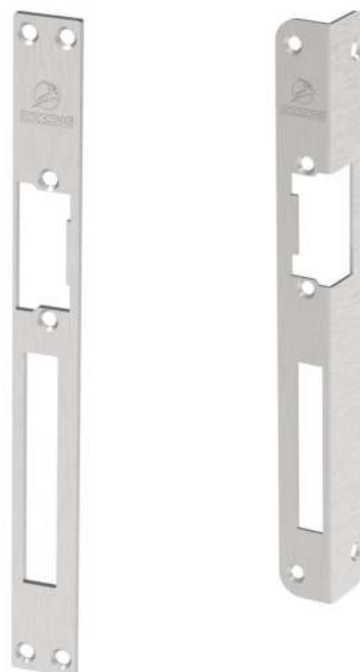
Short faceplates are designed for doors in which a bolt closing system is not necessary.



### LONG

Long faceplates are designed for doors in which a bolt closing system is necessary.

These faceplates incorporate a window for putting in the bolt lock or security bolts.



### SHAPES

Apart from the typology in terms of size, short or long faceplates, angled, rounded-edge faceplates, special faceplates for wooden doors, etc. are also available.

**WITH OUR LASER CUTTING PRODUCTION, WE CAN MAKE ANY SHAPE.**



## CHOICE OF HAND



### REVERSIBLE

This type of faceplate can be metric and reversible, which means that they can be used for both DIN Left and DIN Right.



### DIN LEFT

DIN LEFT faceplates CAN ONLY be used with DIN Left or right-hand strikes.



### DIN RIGHT

DIN RIGHT faceplates can only be used with DIN Right or left-hand strikes.



## REGULATION DIN 107



Standing on the side from which we are pulling the door, if the hinges are seen on the left, it will be a din left door.

You need to order a DIN LEFT or right-hand strike.

HINGES



Standing on the side from which we are pulling the door, if the hinges are seen on the right, it will be a din right door.

You need to order a DIN RIGHT or left-hand strike.

HINGES



# FINISHES

DORCAS offers a wide range of faceplates for combination with electric strikes. We make each product attractive because we know this is important for the customer. For the frames we have several standard finishes:

## ALUMINIUM

NATURAL **A** 

GOLD **E** 

## STAINLESS STEEL (304)

PLATED **X** 

## CHROME-PLATED

METAL **C** 

GLAZED **D** 

## PAINT

WHITE **B** 

GREY **G** 

BROWN **M** 

BLACK **N** 

## NICKEL-PLATED

SILVER-PLATED **J** 

## ZINC-PLATED

METAL **Z** 

## BRASS

NATURAL **L** 

## RAW

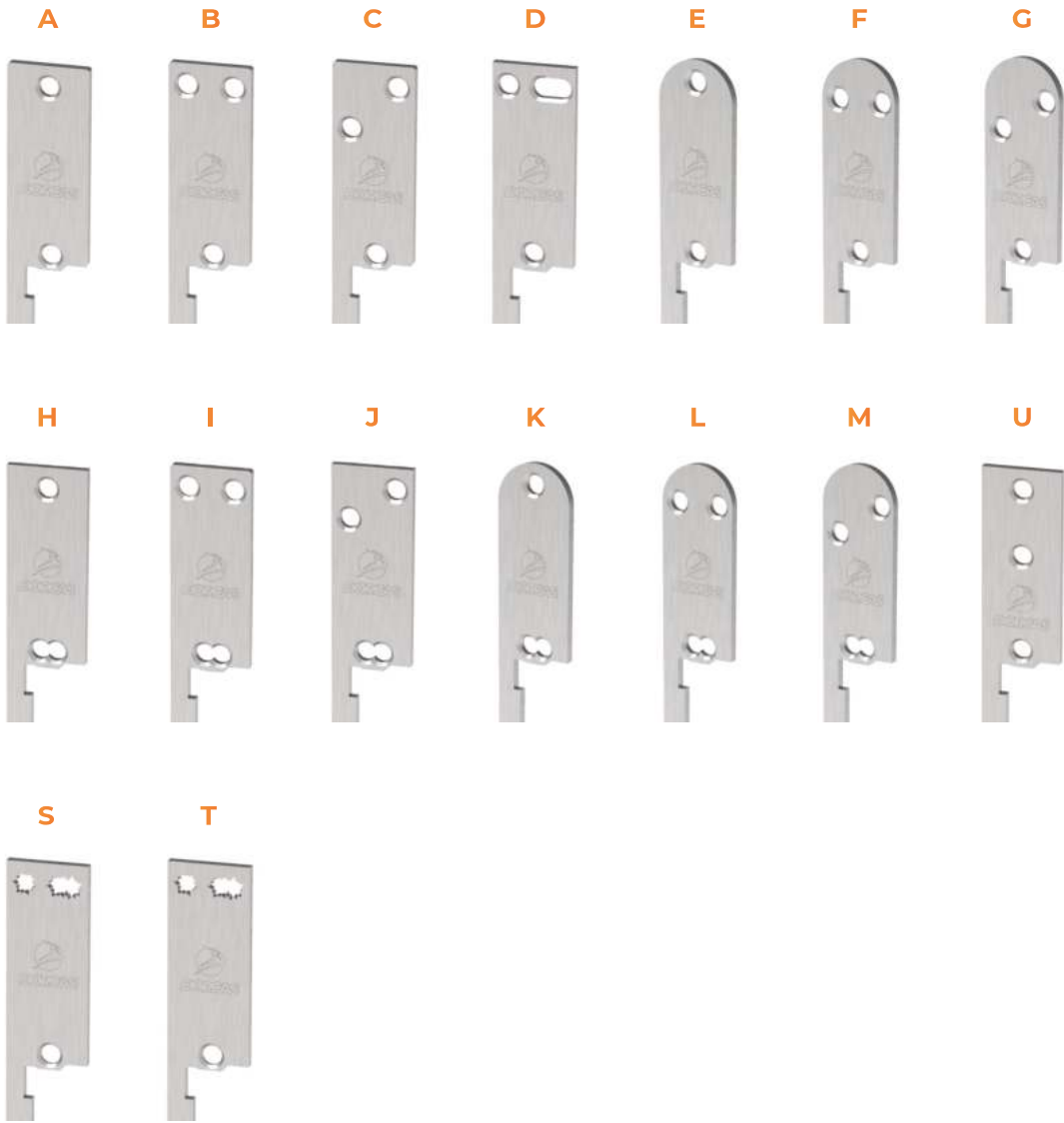
NATURAL **T** 

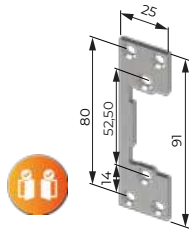


# FIXTURE

We manufacture our faceplates with all kinds of shapes for their fastening, such as diagonal holes, a single hole, a double mounting hole, etc. All of them with countersunk holes to prevent the screws from protruding.

**WE AIM TO COVER ANY CUSTOMER NEED**





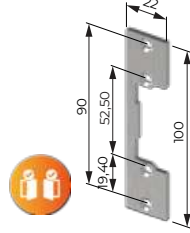
**FP67** (BE)  
91x25x3 mm

FINISH \_\_\_\_\_

X

FIXTURE \_\_\_\_\_

A B



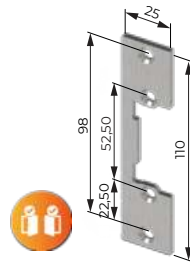
**FP68** (BePe)  
100x22x2 mm

FINISH \_\_\_\_\_

X

FIXTURE \_\_\_\_\_

A B



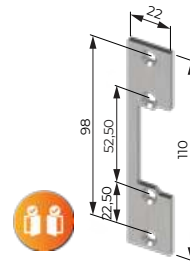
**FP14** (B)  
110x25x3 mm

FINISH \_\_\_\_\_

A B E G L N X Z

FIXTURE \_\_\_\_\_

A C E H I



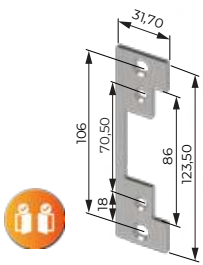
**FP15** (B22)  
110x22x3 mm

FINISH \_\_\_\_\_

G N X Z

FIXTURE \_\_\_\_\_

A



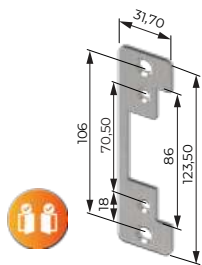
**FP43** (P47)  
123.5x31.7x3 mm

FINISH \_\_\_\_\_

X

FIXTURE \_\_\_\_\_

A B E F



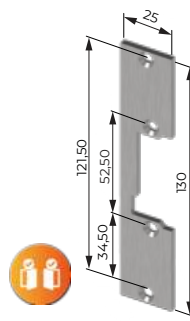
**FP44** (R47)  
123.5x31.7x3 mm

FINISH \_\_\_\_\_

X

FIXTURE \_\_\_\_\_

A B E F



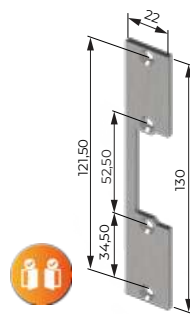
**FP12** (P)  
130x25x3 mm

FINISH \_\_\_\_\_

G L N X

FIXTURE \_\_\_\_\_

A



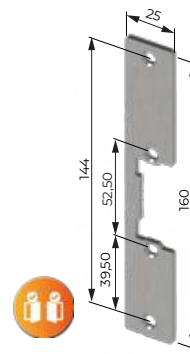
**FP13** (P22)  
130x25x3 mm

FINISH \_\_\_\_\_

G M N X

FIXTURE \_\_\_\_\_

A



**FP10** (S)  
160x25x3 mm

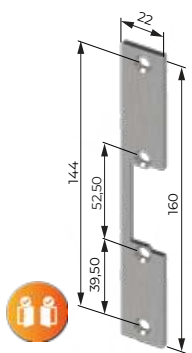
FINISH \_\_\_\_\_

A B E G L N X Z

FIXTURE \_\_\_\_\_

A C E H I

NOTE: If not otherwise indicated, the thickness (e) will be e=3 mm



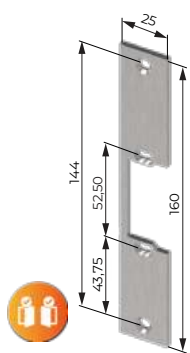
**FP11** (S22)  
160x25x3 mm

FINISH

G L N X

FIXTURE

A V



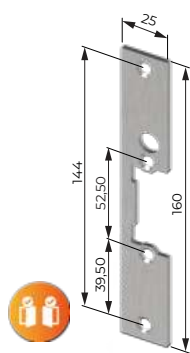
**FP89** (CII)  
160x25x3 mm

FINISH

G X

FIXTURE

A H



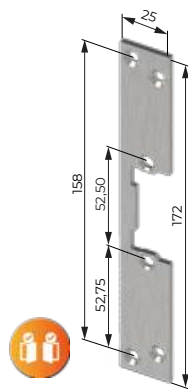
**FP62** (S62)  
160x25x3 mm

FINISH

G X

FIXTURE

A



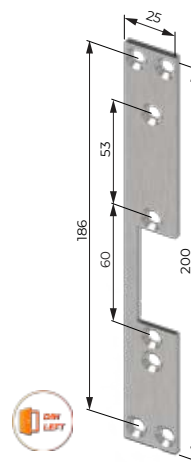
**FP97**  
172x25x3 mm

FINISH

C

FIXTURE

X



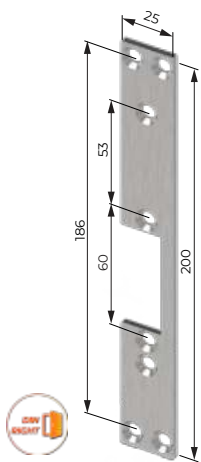
**FP18** (SX77 DIN LEFT)  
200x25x3 mm

FINISH

G X

FIXTURE

A B



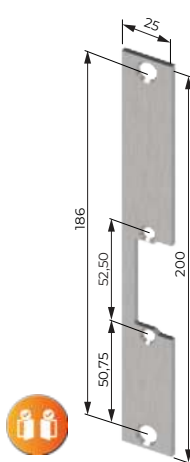
**FP19** (SX77 DIN RIGHT)  
200x25x3 mm

FINISH

G X

FIXTURE

A B



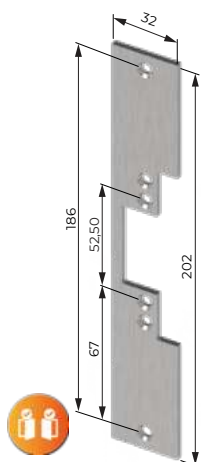
**FPGF**  
200x25x3 mm

FINISH

X

FIXTURE

A



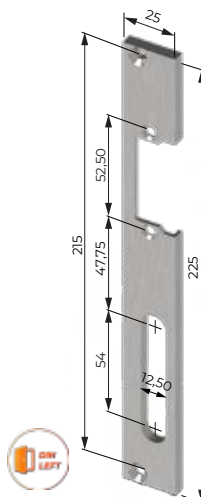
**FP81**  
200x32x2.5 mm e=2.5

FINISH

X

FIXTURE

A



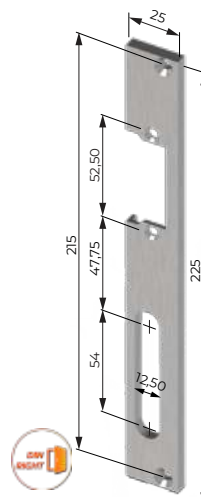
**FP71** (W86 DIN LEFT)  
225x26x6 mm e=6

FINISH

X

FIXTURE

A



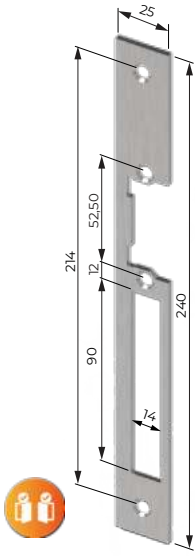
**FP72** (W86 DIN RIGHT)  
225x26x6 mm e=6

FINISH

X

FIXTURE

A



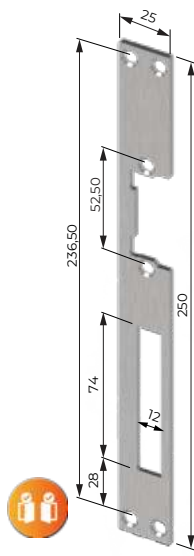
**FP79**  
240x25x3 mm

FINISH

X

FIXTURE

A



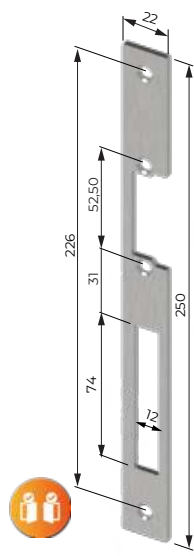
**FP21 (G)**  
250x25x3 mm

FINISH

A B C L M N X

FIXTURE

B C E F I N O



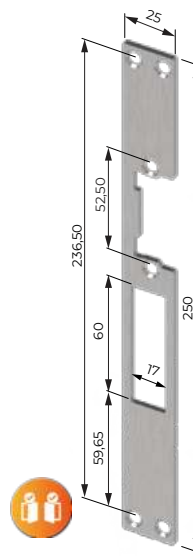
**FP69 (G22)**  
250x22x3 mm

FINISH

G X

FIXTURE

A E



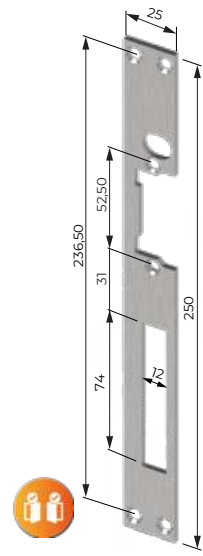
**FP27 (GE)**  
250x25x3 mm

FINISH

B G X

FIXTURE

B G



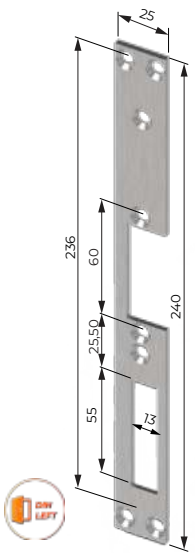
**FP63 (G62)**  
250x25x3 mm

FINISH

X

FIXTURE

B



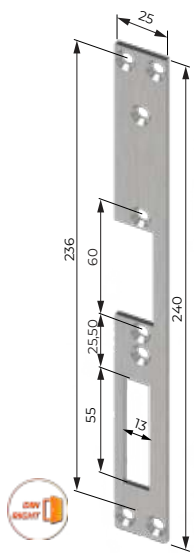
**FP34 (GX77 DIN LEFT)**  
250x25x3 mm

FINISH

G X

FIXTURE

B



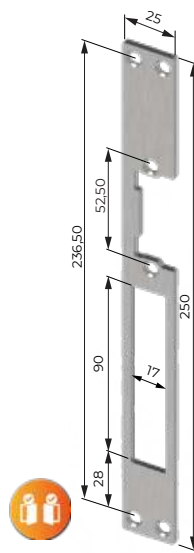
**FP35 (GX77 DIN RIGHT)**  
250x25x3 mm

FINISH

G X

FIXTURE

B



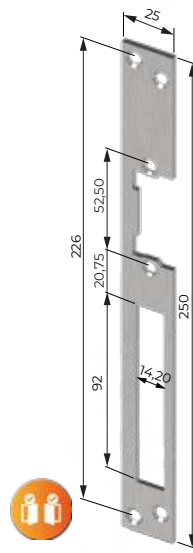
**FP22 (M)**  
250x25x3 mm

FINISH

B C E G L M N X

FIXTURE

B C I M F



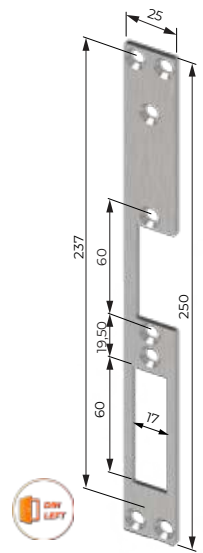
**FP99**  
250x25x3 mm

FINISH

G X

FIXTURE

A H



**FPC1 (MX77 DIN LEFT)**  
250x25x3 mm

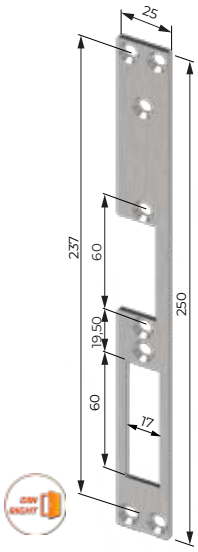
FINISH

X

FIXTURE

B

NOTE: If not otherwise indicated, the thickness (e) will be e=3 mm



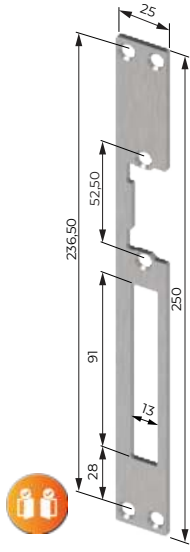
**FPC2** (MX77 DIN RIGHT)  
250x25x3 mm

FINISH

X

FIXTURE

B



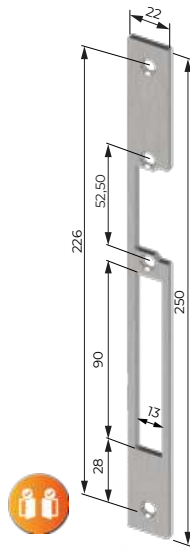
**FP23** (L)  
250x25x3 mm

FINISH

C G L N X Z

FIXTURE

A B F I



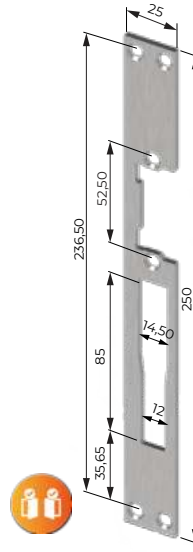
**FP24** (L22)  
250x25x3 mm

FINISH

G L M N X

FIXTURE

A E



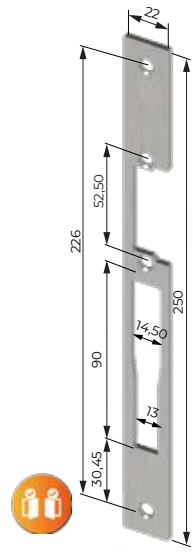
**FP25** (T)  
250x25x3 mm

FINISH

G N X

FIXTURE

B C



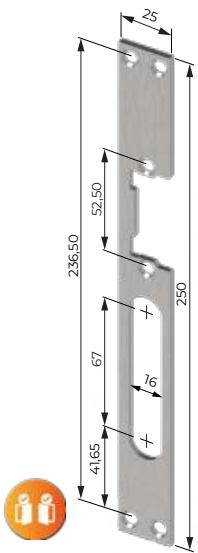
**FP26** (T22)  
250x22x3 mm

FINISH

G X

FIXTURE

A



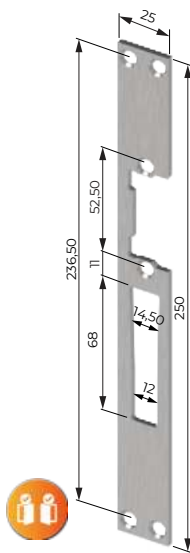
**FP28** (OVAL)  
250x25x3 mm

FINISH

G L N Q X

FIXTURE

B



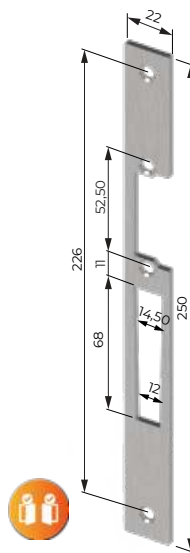
**FP46** (Z)  
250x25x3 mm

FINISH

G X

FIXTURE

A B



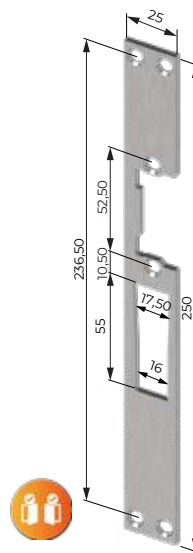
**FP95** (Z22)  
250x22x3 mm

FINISH

G X

FIXTURE

A



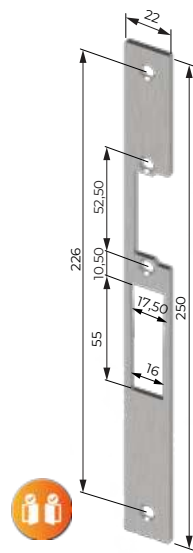
**FP47** (Q)  
250x25x3 mm

FINISH

G X

FIXTURE

A B



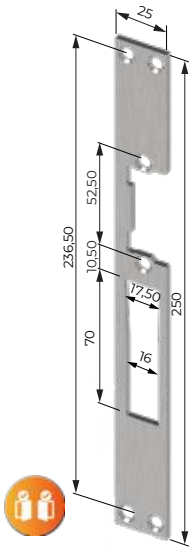
**FPD6** (Q22)  
250x22x3 mm

FINISH

G X

FIXTURE

A



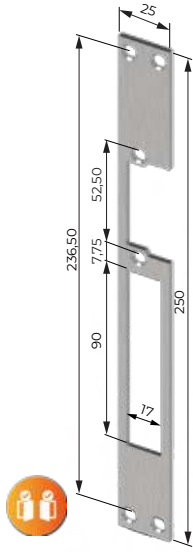
**FP70** (Q70)  
250x25x3 mm

FINISH

G X

FIXTURE

B



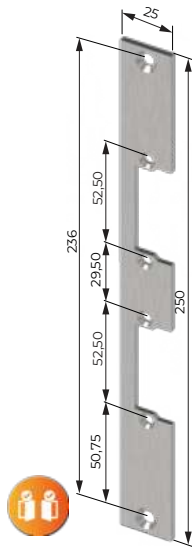
**FPC6**  
250x25x3 mm

FINISH

X

FIXTURE

B



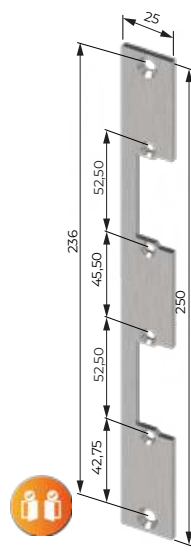
**FPF2**  
250x25x3 mm

FINISH

X

FIXTURE

A



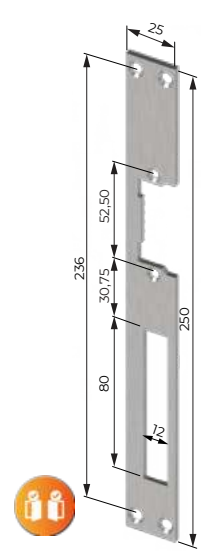
**FPF3**  
250x25x3 mm

FINISH

X

FIXTURE

A



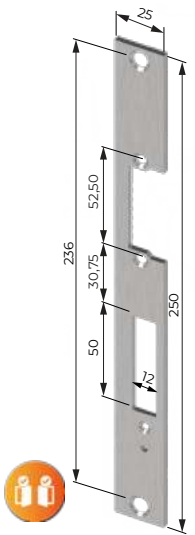
**FPF4**  
250x25x3 mm

FINISH

X

FIXTURE

B



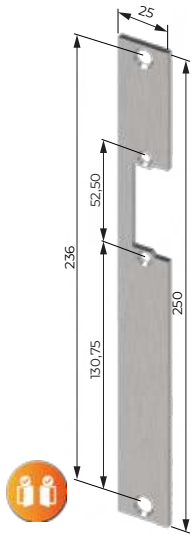
**FPF5**  
250x25x3 mm

FINISH

X

FIXTURE

A



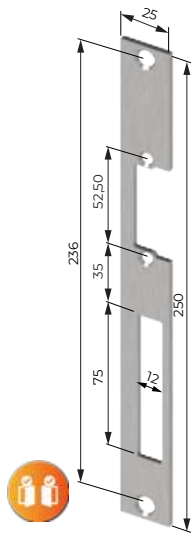
**FPG6**  
250x25x3 mm

FINISH

X

FIXTURE

N



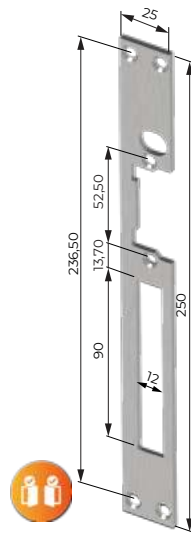
**FPGE**  
250x25x3 mm

FINISH

X

FIXTURE

B



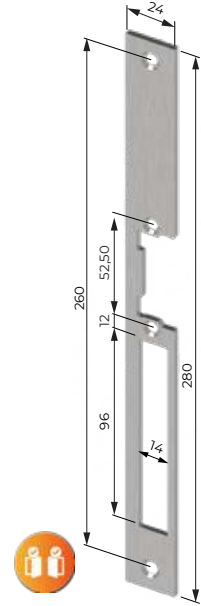
**FP78**  
250x25x3 mm

FINISH

X

FIXTURE

B



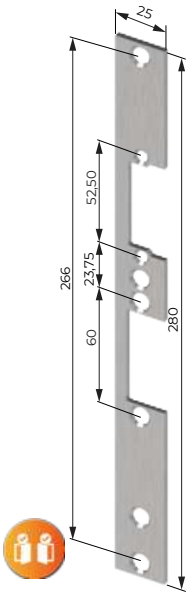
**FP33**  
280x24x3 mm

FINISH

X

FIXTURE

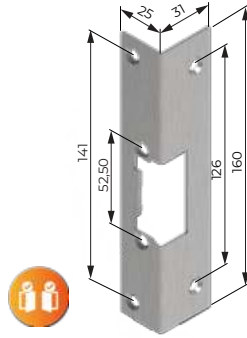
A



**FPGH**  
160x25x3 mm

FINISH \_\_\_\_\_  
X

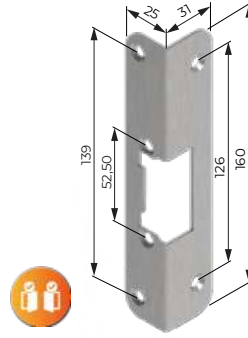
FIXTURE \_\_\_\_\_  
A



**FP16** (F53)  
160x25x31 mm

FINISH \_\_\_\_\_  
G M N X

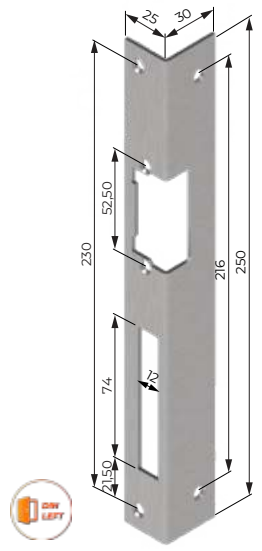
FIXTURE \_\_\_\_\_  
A



**FP17** (F54)  
160x25x31 mm

FINISH \_\_\_\_\_  
G M

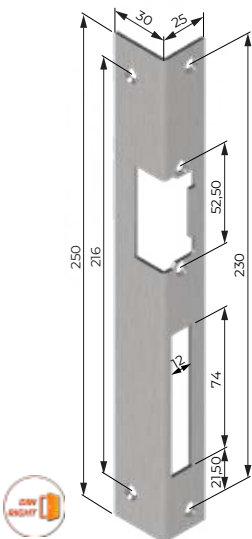
FIXTURE \_\_\_\_\_  
E



**FP29**  
250x25x30 mm

FINISH \_\_\_\_\_  
G M X

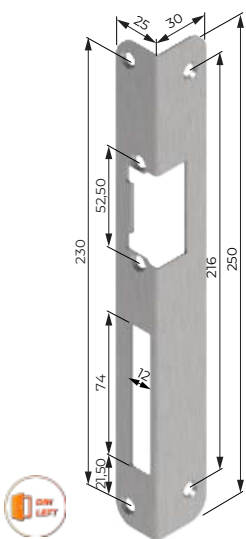
FIXTURE \_\_\_\_\_  
A



**FP30**  
250x25x30 mm

FINISH \_\_\_\_\_  
G M X

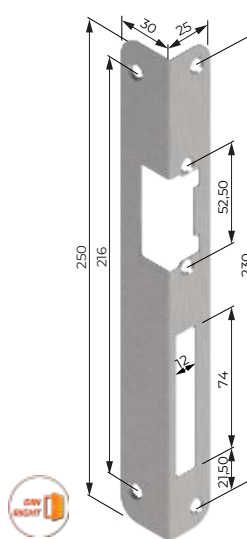
FIXTURE \_\_\_\_\_  
A



**FP31**  
250x25x30 mm

FINISH \_\_\_\_\_  
G M X

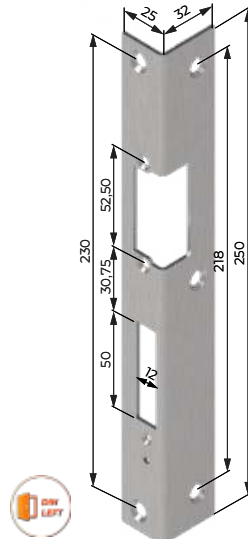
FIXTURE \_\_\_\_\_  
E



**FP32**  
250x25x30 mm

FINISH \_\_\_\_\_  
G M X

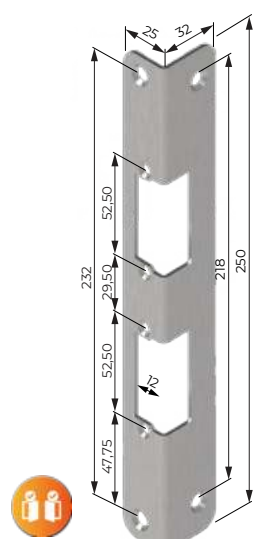
FIXTURE \_\_\_\_\_  
E



**FPF9**  
250x25x32 mm

FINISH \_\_\_\_\_  
X

FIXTURE \_\_\_\_\_  
A



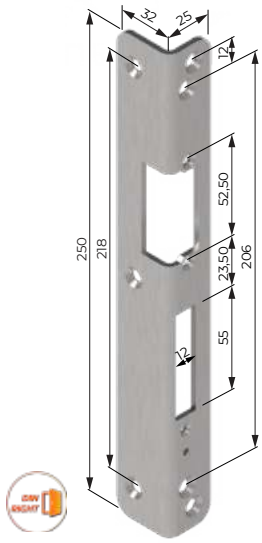
**FPG5**  
250x25x32 mm

FINISH \_\_\_\_\_  
X

FIXTURE \_\_\_\_\_  
E

e=2

e=2

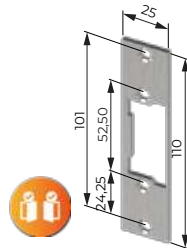


**FPGC**  
250x25x32 mm

FINISH \_\_\_\_\_  
X

FIXTURE \_\_\_\_\_  
G

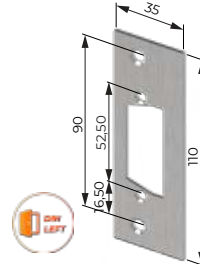
TOP SYSTEMS →



**FP20** (YB)  
110x25x3 mm

FINISH \_\_\_\_\_  
X

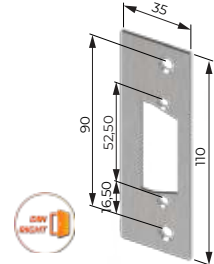
FIXTURE \_\_\_\_\_  
A E F



**FP60** (DX DIN LEFT)  
110x35x2 mm

FINISH \_\_\_\_\_  
X

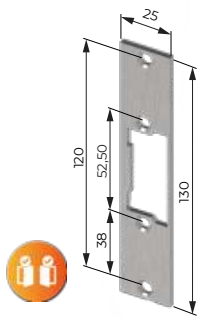
FIXTURE \_\_\_\_\_  
A



**FP61** (DX DIN RIGHT)  
110x35x2 mm

FINISH \_\_\_\_\_  
X

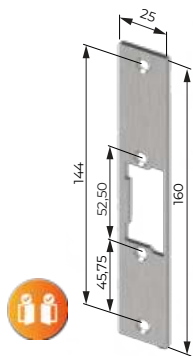
FIXTURE \_\_\_\_\_  
A



**FP74** (YP)  
130x25x3 mm

FINISH \_\_\_\_\_  
X

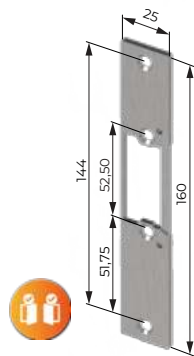
FIXTURE \_\_\_\_\_  
A



**FP41** (YS)  
160x25x3 mm

FINISH \_\_\_\_\_  
X

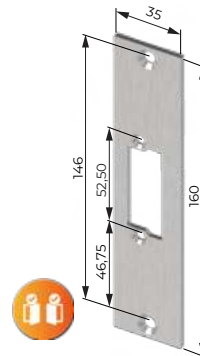
FIXTURE \_\_\_\_\_  
A



**FPA2**  
160x25x3 mm

FINISH \_\_\_\_\_  
X

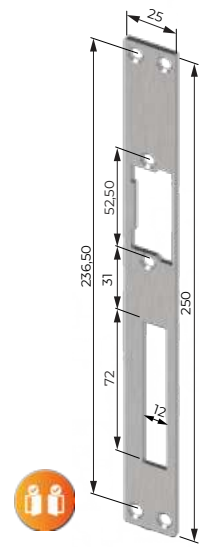
FIXTURE \_\_\_\_\_  
A



**FPF1**  
160x35x3 mm

FINISH \_\_\_\_\_  
X

FIXTURE \_\_\_\_\_  
A



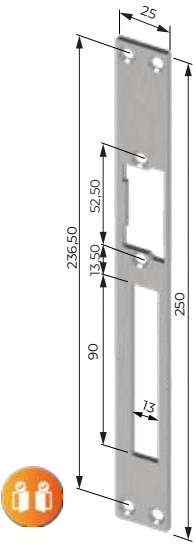
**FP38** (YG)  
250x25x3 mm

FINISH \_\_\_\_\_  
X

FIXTURE \_\_\_\_\_  
A B F

NOTE: If not otherwise indicated, the thickness (e) will be e=3 mm





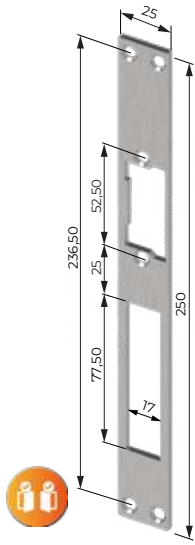
**FP42** (YL)  
250x25x3 mm

FINISH

X

FIXTURE

B U



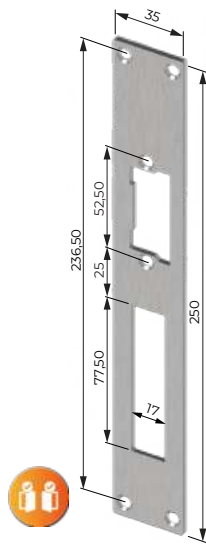
**FP55** (H9)  
250x25x3 mm

FINISH

X

FIXTURE

B



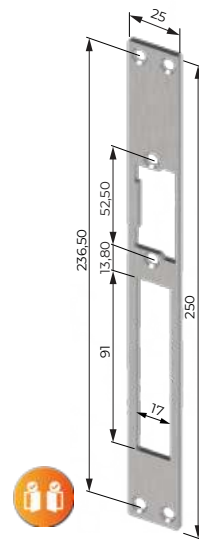
**FP56** (H10)  
250x35x3 mm

FINISH

X

FIXTURE

B



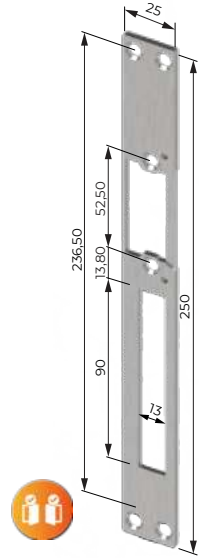
**FP58** (YM)  
250x25x3 mm

FINISH

L X

FIXTURE

A B U



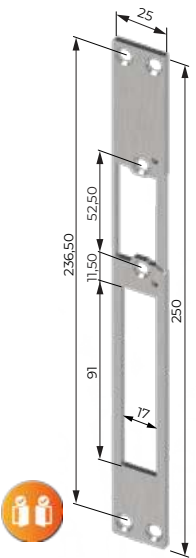
**FPA1**  
250x25x3 mm

FINISH

X

FIXTURE

B



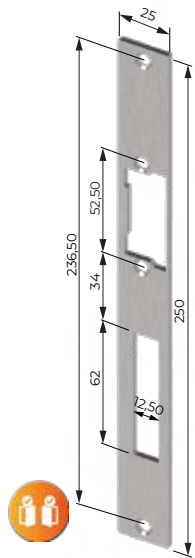
**FPA3**  
250x25x3 mm

FINISH

X

FIXTURE

A



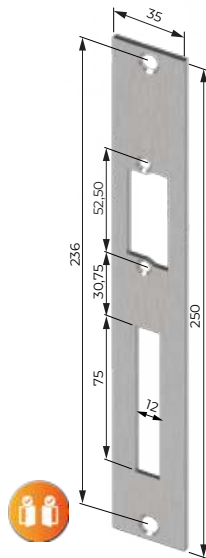
**FPC4**  
250x25x3 mm

FINISH

G L X

FIXTURE

A E



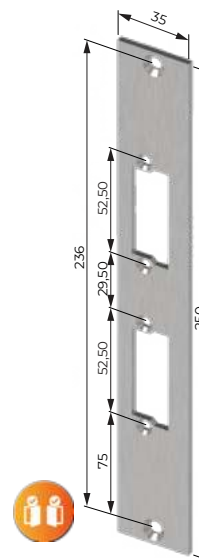
**FPF6**  
250x35x3 mm

FINISH

X

FIXTURE

A



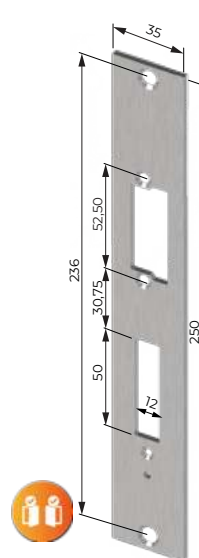
**FPF8**  
160x35x3 mm

FINISH

X

FIXTURE

A



**FPG3**  
250x35x3 mm

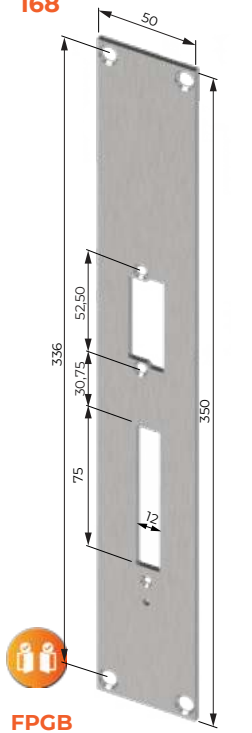
FINISH

X

FIXTURE

A

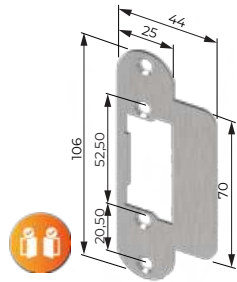
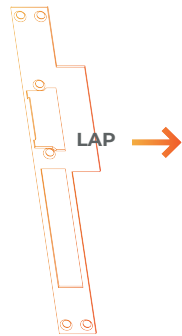
168



**FPGB**  
350x50x3 mm

FINISH \_\_\_\_\_  
X

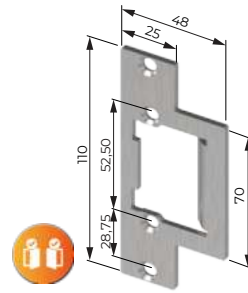
FIXTURE \_\_\_\_\_  
B



**FP48** (H3)  
106x44x3 mm

FINISH \_\_\_\_\_  
X

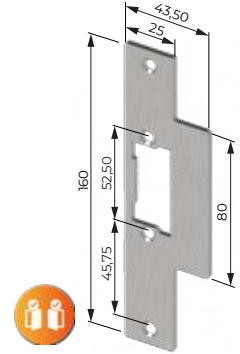
FIXTURE \_\_\_\_\_  
E



**FPD5** (H20)  
11x48x3 mm

FINISH \_\_\_\_\_  
X

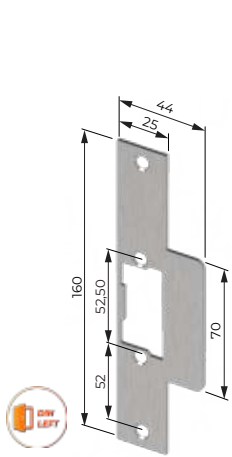
FIXTURE \_\_\_\_\_  
A



**FP49** (H4)  
160x44x3 mm

FINISH \_\_\_\_\_  
X

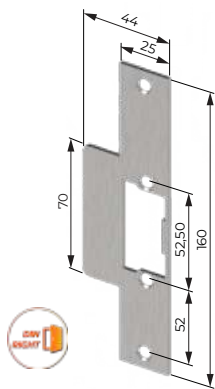
FIXTURE \_\_\_\_\_  
A



**FP50** (H6 DIN LEFT)  
160x44x3 mm

FINISH \_\_\_\_\_  
X

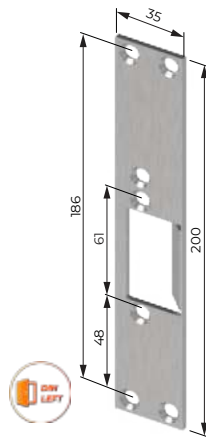
FIXTURE \_\_\_\_\_  
A



**FP51** (H6 DIN RIGHT)  
160x44x3 mm

FINISH \_\_\_\_\_  
X

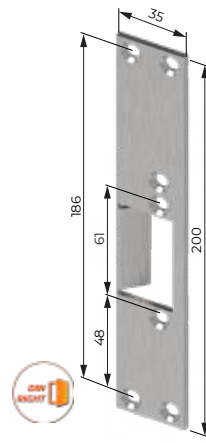
FIXTURE \_\_\_\_\_  
A



**FPE1** (SHX77 DIN LEFT)  
200x35x3 mm

FINISH \_\_\_\_\_  
X

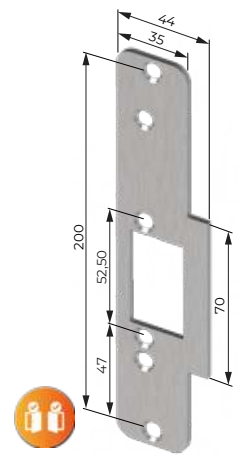
FIXTURE \_\_\_\_\_  
B



**FPE2** (SHX77 DIN RIGHT)  
200x35x3 mm

FINISH \_\_\_\_\_  
X

FIXTURE \_\_\_\_\_  
B

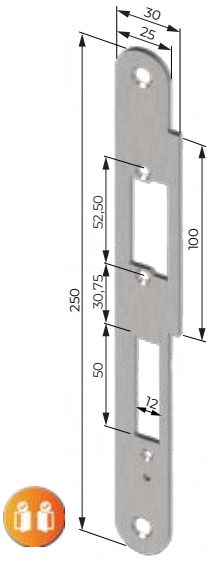


**FPGA**  
200x45x3 mm

FINISH \_\_\_\_\_  
X

FIXTURE \_\_\_\_\_  
E

NOTE: If not otherwise indicated, the thickness (e) will be e=3 mm



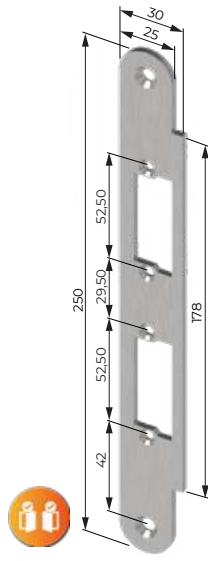
**FPG9**  
250x30x3 mm

FINISH \_\_\_\_\_

x

FIXTURE \_\_\_\_\_

E



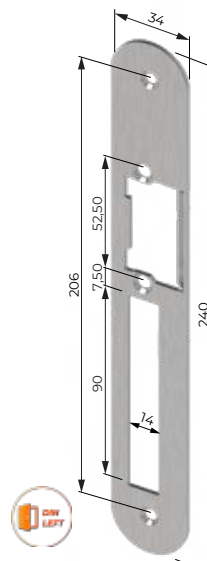
**FPF7**  
250x31x3 mm

FINISH \_\_\_\_\_

x

FIXTURE \_\_\_\_\_

E



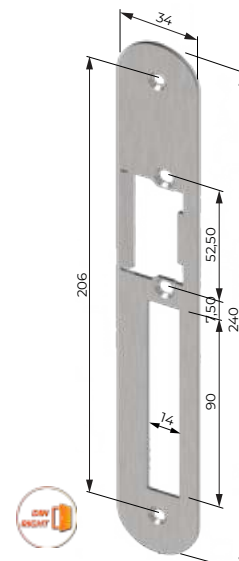
**FP36** (H1 DIN LEFT)  
240x34x2 mm e=2

FINISH \_\_\_\_\_

x

FIXTURE \_\_\_\_\_

B



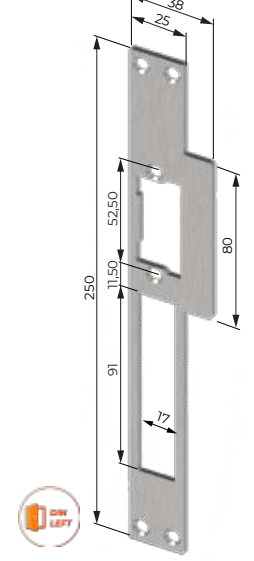
**FP37** (H1 DIN RIGHT)  
240x34x2 mm e=2

FINISH \_\_\_\_\_

x

FIXTURE \_\_\_\_\_

B



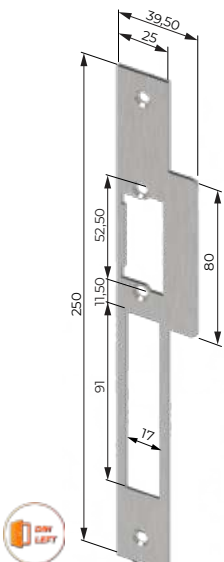
**FPD4**  
250x38x3 mm

FINISH \_\_\_\_\_

x

FIXTURE \_\_\_\_\_

B



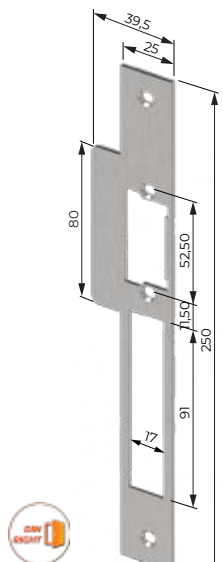
**FPA6** (H13 DIN LEFT)  
250x39.5x2 mm e=2

FINISH \_\_\_\_\_

x

FIXTURE \_\_\_\_\_

A



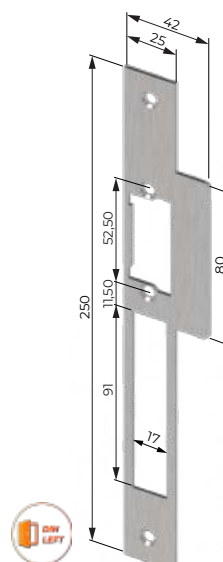
**FPA7** (H13 DIN RIGHT)  
250x39.5x2 mm e=2

FINISH \_\_\_\_\_

x

FIXTURE \_\_\_\_\_

A



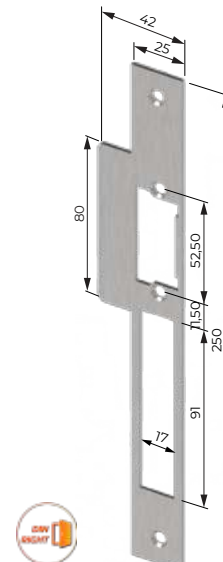
**FPA8** (H14 DIN LEFT)  
250x42x2 mm e=2

FINISH \_\_\_\_\_

x

FIXTURE \_\_\_\_\_

A



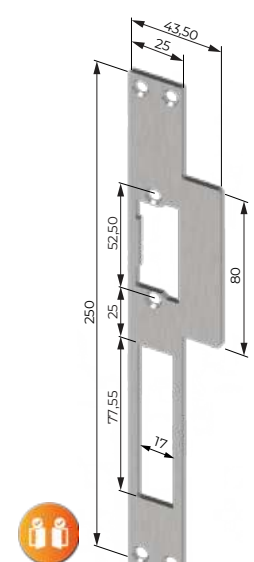
**FPA9** (H14 DIN RIGHT)  
250x42x2 mm e=2

FINISH \_\_\_\_\_

x

FIXTURE \_\_\_\_\_

A



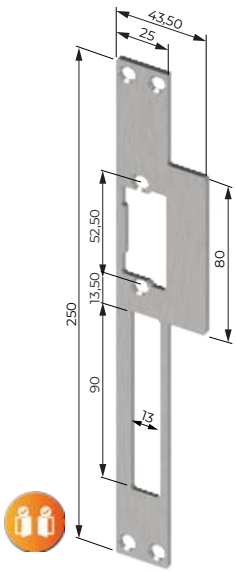
**FPS7** (H11)  
250x43.5x3 mm

FINISH \_\_\_\_\_

x

FIXTURE \_\_\_\_\_

B F



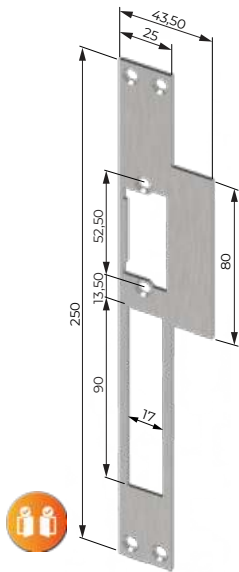
**FP52** (H5)  
250x43.5x3 mm

FINISH

X

FIXTURE

B



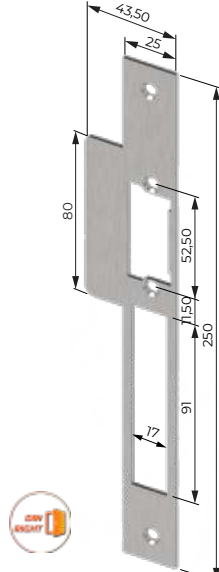
**FP53** (H7)  
250x43.5x3 mm

FINISH

X

FIXTURE

B F



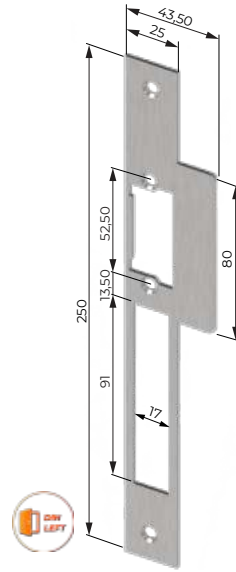
**FPB5** (H16 DIN RIGHT)  
250x43.5x3 mm

FINISH

X

FIXTURE

A E



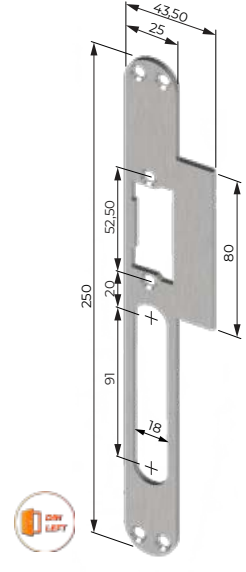
**FPB6** (H16 DIN LEFT)  
250x43.5x3 mm

FINISH

X

FIXTURE

A E



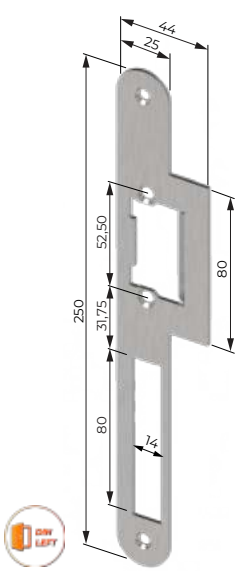
**FPD1** (H17)  
250x43.5x3 mm

FINISH

X

FIXTURE

F



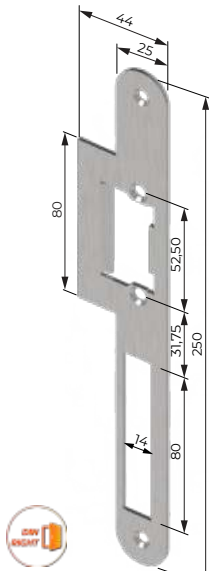
**FP39** (H2 DIN LEFT)  
250x44x3 mm

FINISH

X

FIXTURE

E



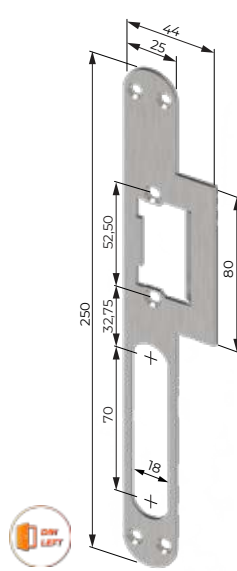
**FP40** (H2 DIN RIGHT)  
250x44x3 mm

FINISH

X

FIXTURE

E



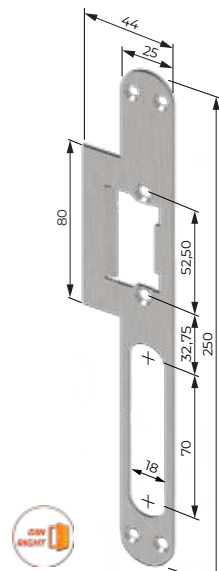
**FPD2** (H18 DIN LEFT)  
250x44x3 mm

FINISH

X

FIXTURE

F



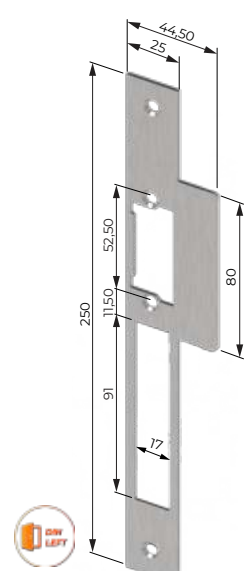
**FPD3** (H18 DIN RIGHT)  
250x44x3 mm

FINISH

X

FIXTURE

F



**FPB2** (H15 DIN LEFT)  
250x44.5x3 mm

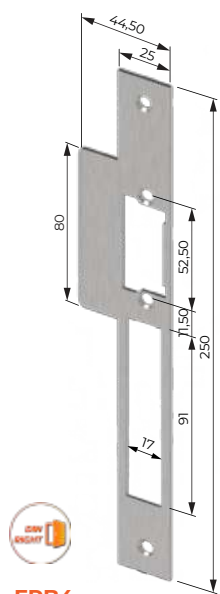
FINISH

X

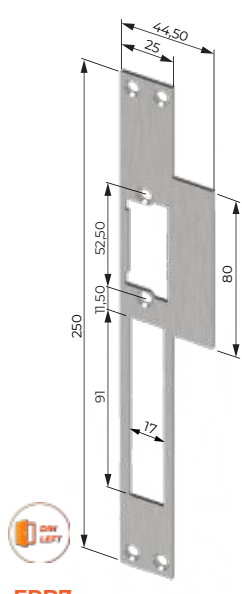
FIXTURE

A

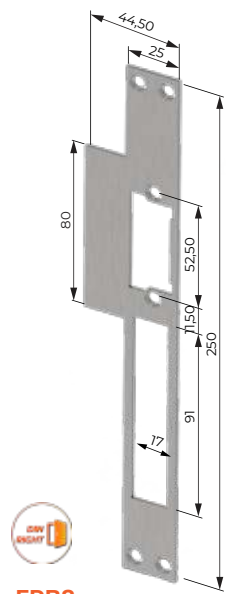
NOTE: If not otherwise indicated, the thickness (e) will be e=3 mm



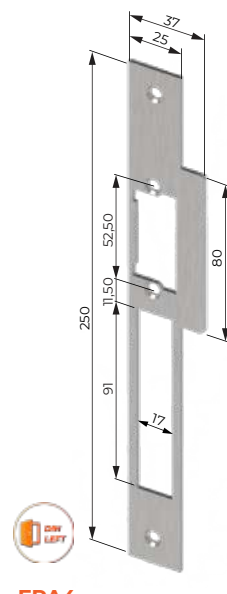
**FPB4** (H15 DIN RIGHT)  
250x44.5x3 mm



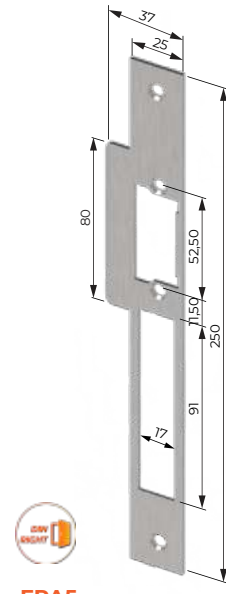
**FPB7** (H7 DIN LEFT)  
250x44.5x1.5 mm e=1.5



**FPB8** (H7 DIN RIGHT)  
250x44.5x1.5 mm e=1.5



**FPA4** (H12 DIN LEFT)  
250x37x2 mm e=2



**FPA5** (H12 DIN RIGHT)  
250x37x2 mm e=2



FINISH

X

FINISH

G L X

FINISH

G L X

FINISH

X

FINISH

X

FIXTURE

A

FIXTURE

B F

FIXTURE

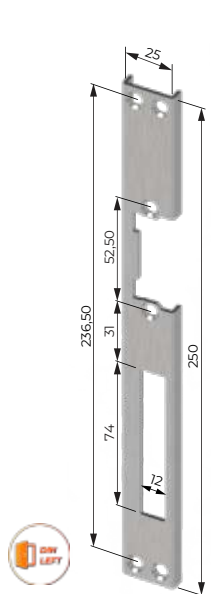
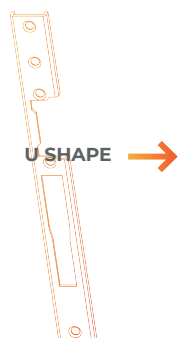
B F

FIXTURE

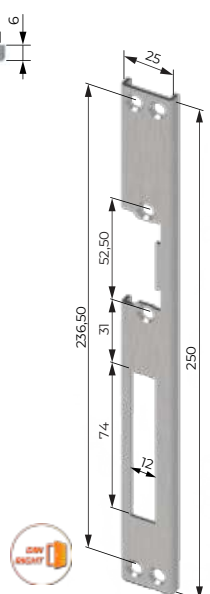
A

FIXTURE

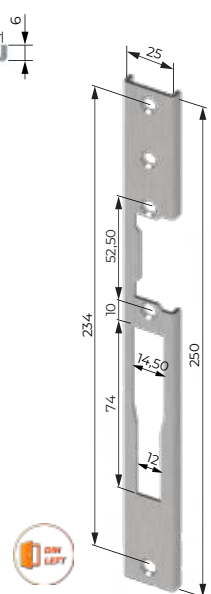
A



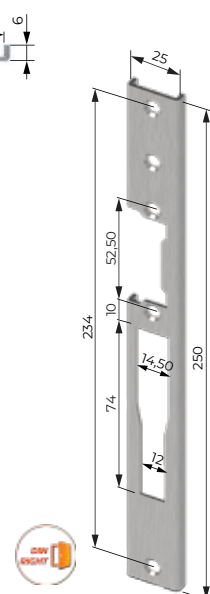
**FPB2** (UG DIN LEFT)  
250x25x6 mm e=2



**FPD9** (UG DIN RIGHT)  
250x25x6 mm e=2



**FP90** (UT DIN LEFT)  
250x25x6 mm e=2



**FP91** (UT DIN RIGHT)  
250x25x6 mm e=2



FINISH

X

FINISH

X

FINISH

X

FINISH

X

FIXTURE

B

FIXTURE

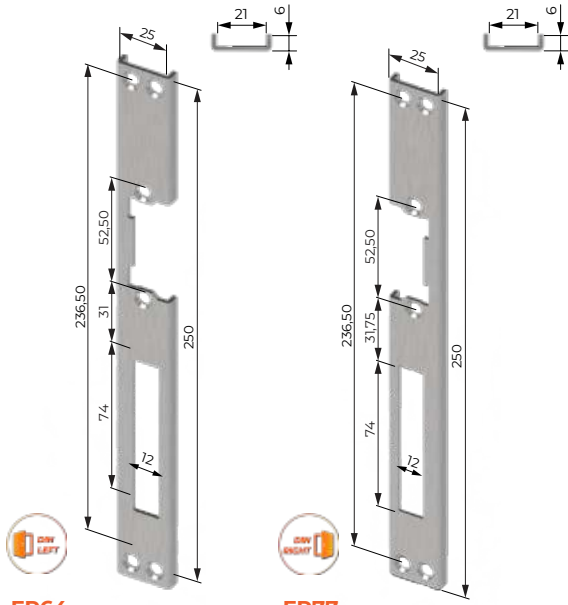
B

FIXTURE

A

FIXTURE

A



**FP64** (GU DIN LEFT)  
250x25x6 mm e=2

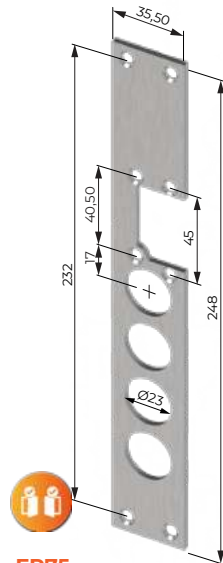
**FP77** (GU DIN RIGHT)  
250x25x6 mm e=2

FINISH \_\_\_\_\_  
A X  
FIXTURE \_\_\_\_\_  
B

FINISH \_\_\_\_\_  
A X  
FIXTURE \_\_\_\_\_  
B

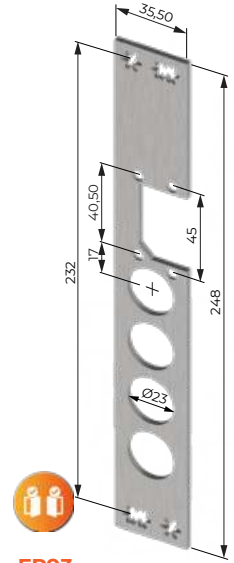


ITALIAN



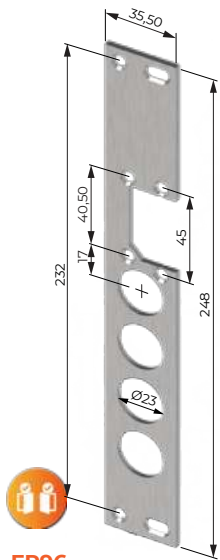
**FP75 (W)**  
248x35.5x2 mm

FINISH \_\_\_\_\_  
G X  
FIXTURE \_\_\_\_\_  
B



**FP93**  
248x35.5x2 mm

FINISH \_\_\_\_\_  
G X  
FIXTURE \_\_\_\_\_  
S

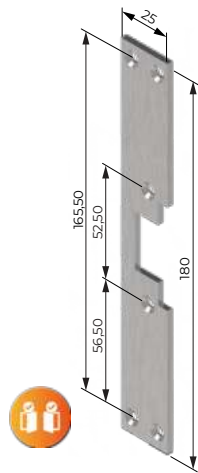


**FP96**  
248x35.5x2 mm

FINISH \_\_\_\_\_  
C X  
FIXTURE \_\_\_\_\_  
D

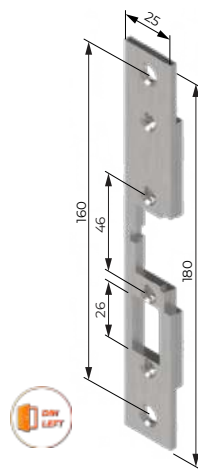


SCANDINAVIAN



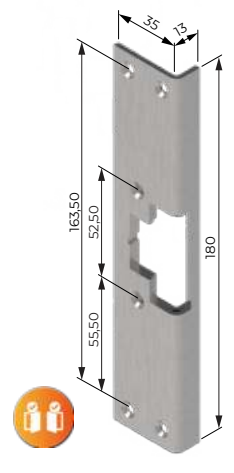
**FPEK**  
180x25x3 mm

FINISH \_\_\_\_\_  
X  
FIXTURE \_\_\_\_\_  
B



**FPEQ**  
180x25x6 mm

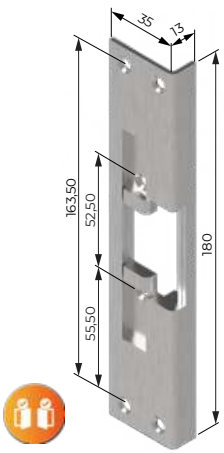
FINISH \_\_\_\_\_  
X  
FIXTURE \_\_\_\_\_  
A



**FPEE**  
180x35x13 mm

FINISH \_\_\_\_\_  
X  
FIXTURE \_\_\_\_\_  
B

NOTE: If not otherwise indicated, the thickness (e) will be e=3 mm



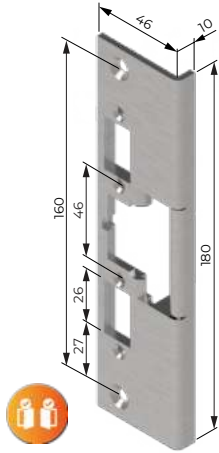
**FPEF**  
180x35x13 mm

FINISH

x

FIXTURE

B



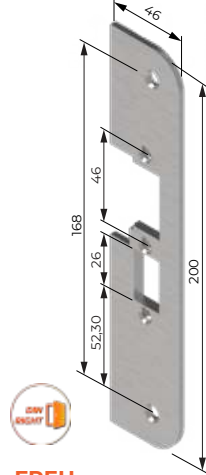
**FPET**  
180x46x10 mm

FINISH

x

FIXTURE

A



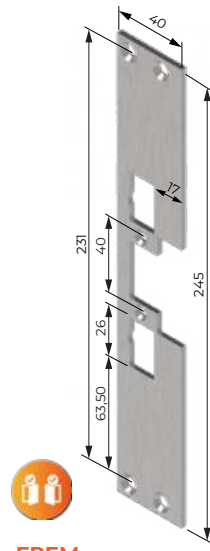
**FPEU**  
200x40x6 mm

FINISH

x

FIXTURE

E



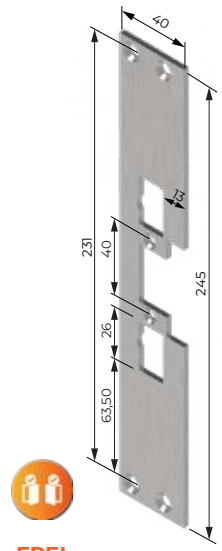
**FPEM**  
245x40x3 mm

FINISH

x

FIXTURE

B



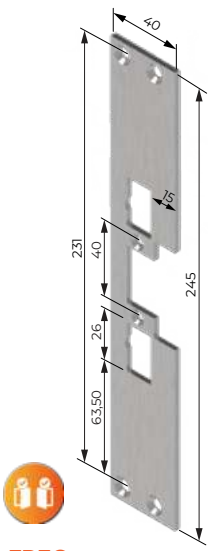
**FPEL**  
245x40x7 mm

FINISH

x

FIXTURE

B



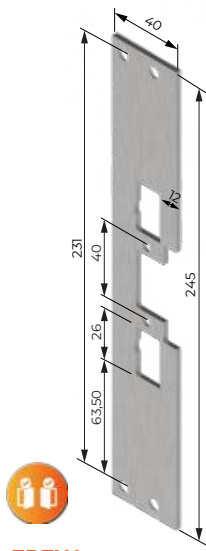
**FPEO**  
245x40x7 mm

FINISH

x

FIXTURE

B



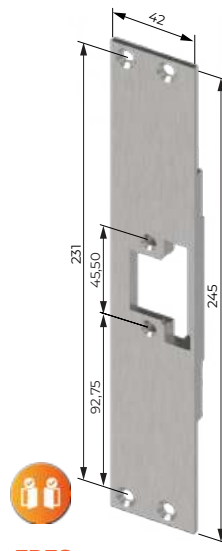
**FPEW**  
240x40x7 mm e=2

FINISH

x

FIXTURE

B



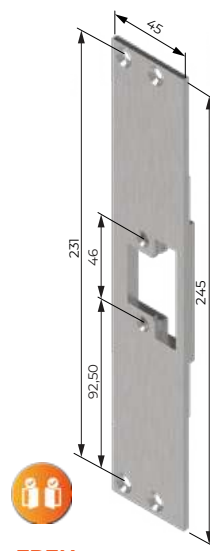
**FPES**  
245x42x11 mm

FINISH

x

FIXTURE

B



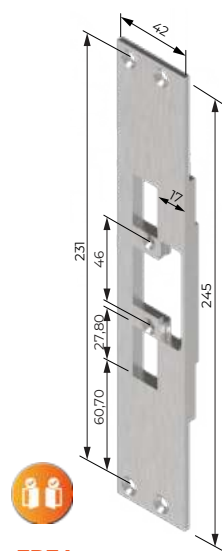
**FPEN**  
245x45x11 mm

FINISH

x

FIXTURE

B



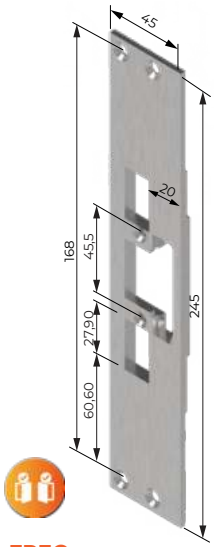
**FPEA**  
245x42x11 mm

FINISH

x

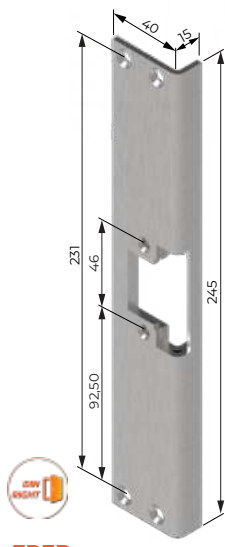
FIXTURE

B



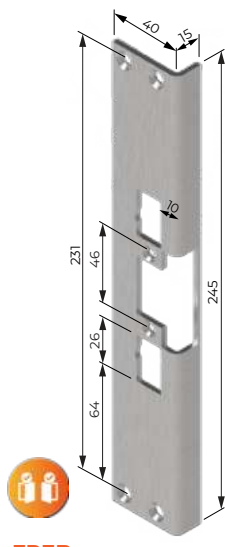
**FPEC**  
245x45x11 mm

FINISH	x
FIXTURE	B



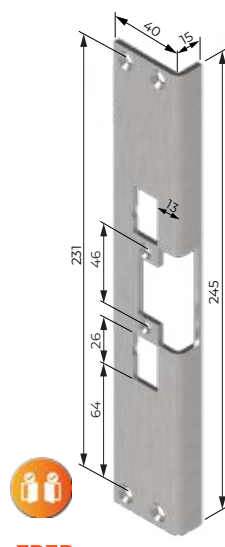
**FPED**  
245x40x15 mm

FINISH	x
FIXTURE	B



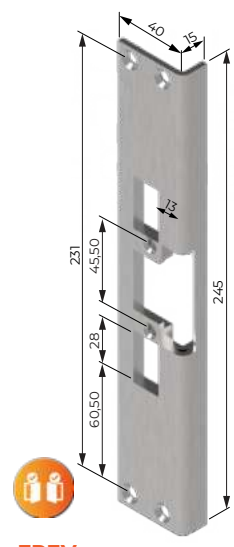
**FPEB**  
245x40x15 mm

FINISH	x
FIXTURE	B



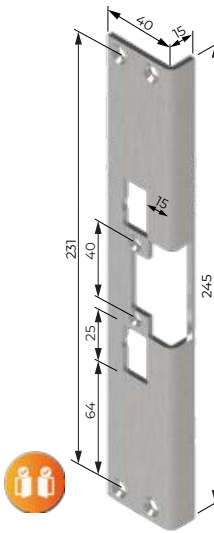
**FPEP**  
245x40x15 mm

FINISH	x
FIXTURE	B



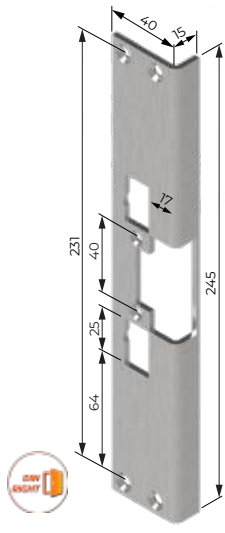
**FPEV**  
245x40x15 mm

FINISH	x
FIXTURE	B



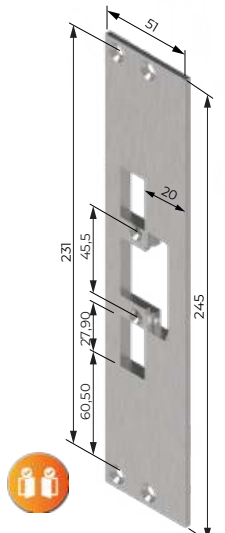
**FPEX**  
245x40x15 mm

FINISH	x
FIXTURE	B



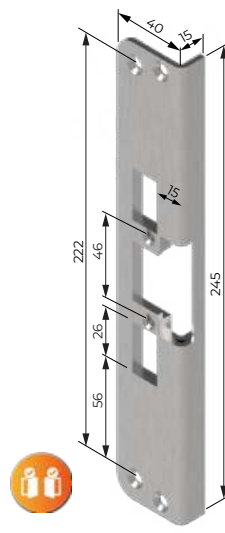
**FPEY**  
245x40x15 mm

FINISH	x
FIXTURE	B



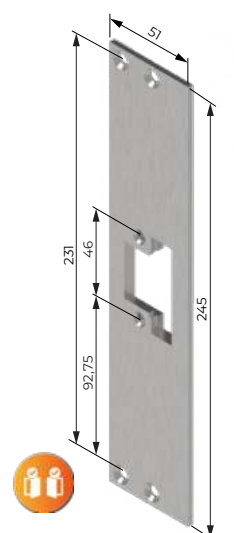
**FPEH**  
245x51x11 mm

FINISH	x
FIXTURE	B



**FPER**  
245x40x15 mm

FINISH	x
FIXTURE	B

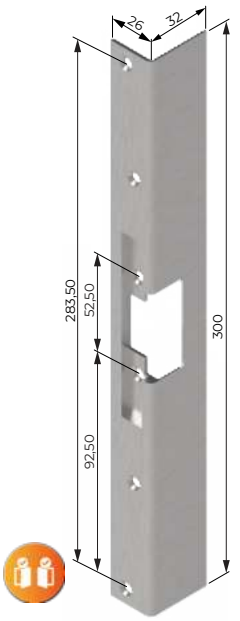


**FPEI**  
245x51x11 mm

FINISH	x
FIXTURE	B

NOTE: If not otherwise indicated, the thickness (e) will be e=3 mm

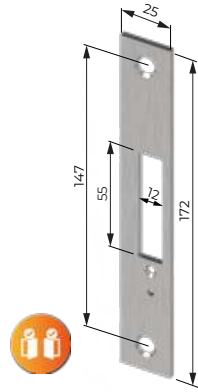
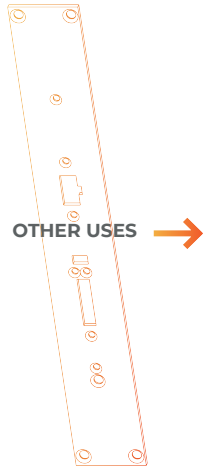




**FPEJ**  
300x26x32 mm

FINISH \_\_\_\_\_  
x

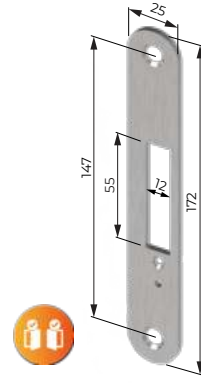
FIXTURE \_\_\_\_\_  
A



**FPG7**  
172x25x3 mm

FINISH \_\_\_\_\_  
x

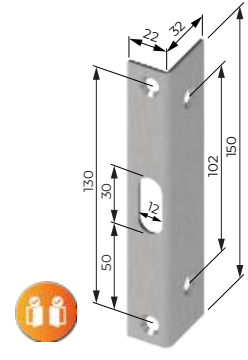
FIXTURE \_\_\_\_\_  
A



**FPG8**  
172x25x3 mm

FINISH \_\_\_\_\_  
x

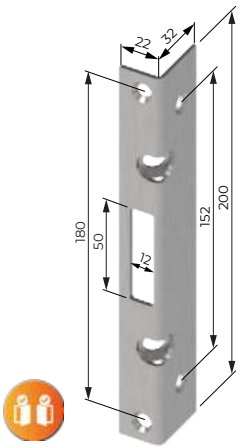
FIXTURE \_\_\_\_\_  
E



**FPGN**  
150x22x32 mm e=2.5

FINISH \_\_\_\_\_  
x

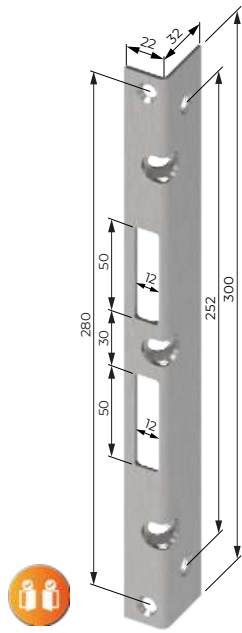
FIXTURE \_\_\_\_\_  
A



**FPGM**  
200x22x32 mm e=2.5

FINISH \_\_\_\_\_  
x

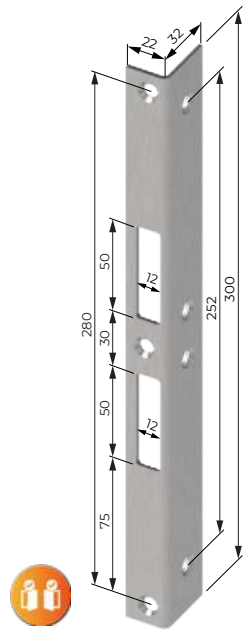
FIXTURE \_\_\_\_\_  
A



**FPGL**  
300x22x32 mm e=2.5

FINISH \_\_\_\_\_  
x

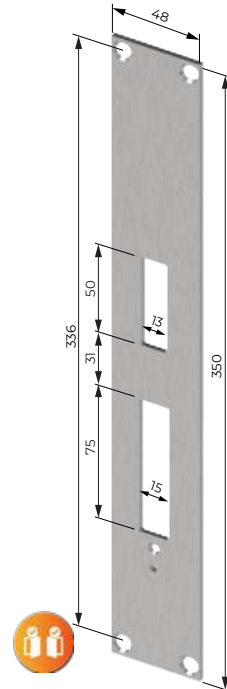
FIXTURE \_\_\_\_\_  
A



**FPGP**  
300x22x32 mm e=2.5

FINISH \_\_\_\_\_  
x

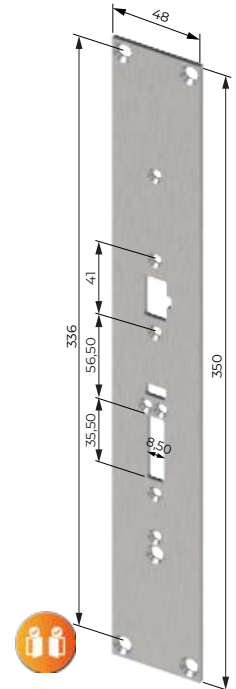
FIXTURE \_\_\_\_\_  
A



**FPGD**  
350x48x3 mm

FINISH \_\_\_\_\_  
x

FIXTURE \_\_\_\_\_  
B



**FPGJ**  
350x48x3 mm

FINISH \_\_\_\_\_  
x

FIXTURE \_\_\_\_\_  
B

# **ELECTROMECHANICAL LOCKS**

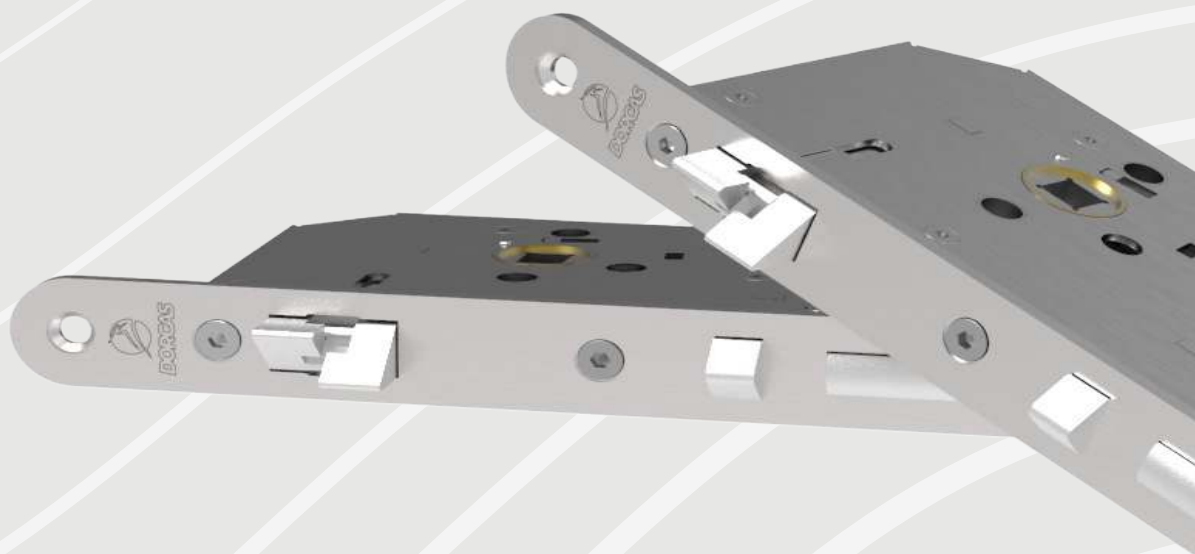
WHAT IS AN ELECTROMECHANICAL LOCK?





*DORCAS' electromechanical locks offer high levels of safety and comfort, outdoing conventional mechanical systems on various counts.*

*They are installed on the door leaf unlike a strike, which is installed on the frame, and they offer lasting performance and low maintenance.*



## TPOLOGY

---

### AUTOMATIC

This type of electromechanical lock has automatic closing and opening. The door can be opened with an electrical impulse.



### SELF-LOCKING

Electromechanical self-locking locks have automatic locking. When the trigger is pressed the bolt is extracted. On the other hand, for the opening we will always need a handle to be able to withdraw the bolt.



### MOTORISED

Motorised locks are ideal for sensitive areas where security is vital. These types of locks are particularly convenient to use. The door is opened by means of a low voltage micro motor, the latch is withdrawn by means of an electrical signal and also offers the convenience of key cylinder opening in the event of an emergency. The DORCAS motorised technology is automatically activated when the door is closed, without the need for a key.



### ELECTRIC DROP BOLT

Electric drop bolt are high-security electromechanical locks. This is due to their solid construction, they incorporate a cylindrical bolt of great hardness and so they offer high-resistance against attempted vandalism, robberies, etc.

They consist of two parts: the piston, which is usually installed in the door leaf, and the counterplate, which is installed in the door frame and incorporates the magnet that causes the bolt to be extracted or inserted (either fail safe or fail secure).

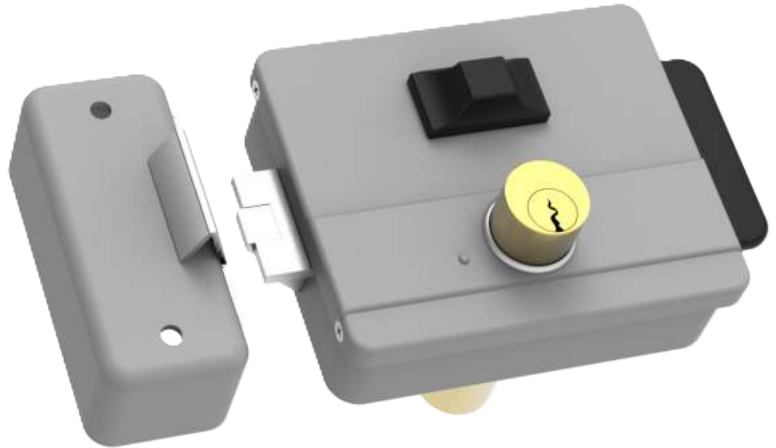


## SURFACE-MOUNTED LOCKS

Sometimes it is not possible to install a flush-mounted lock. With surface-mounted locks, you will find the perfect solution for increasing the security of your doors quickly and efficiently.

This type of lock adapts to any type of door and is installed on the inside, thus avoiding manipulation from the outside.

### MAXIMUM SECURITY MADE VISIBLE



When choosing the hand for an electromechanical lock, it is important to remember the DIN 107 regulation.

## REGULATION DIN 107



Standing on the side from which we are pulling the door, if the hinges are seen on the left, it will be a din left door.

You need to order a DIN LEFT or right-hand strike.



Standing on the side from which we are pulling the door, if the hinges are seen on the right, it will be a din right door.

You need to order a DIN RIGHT or left-hand strike.



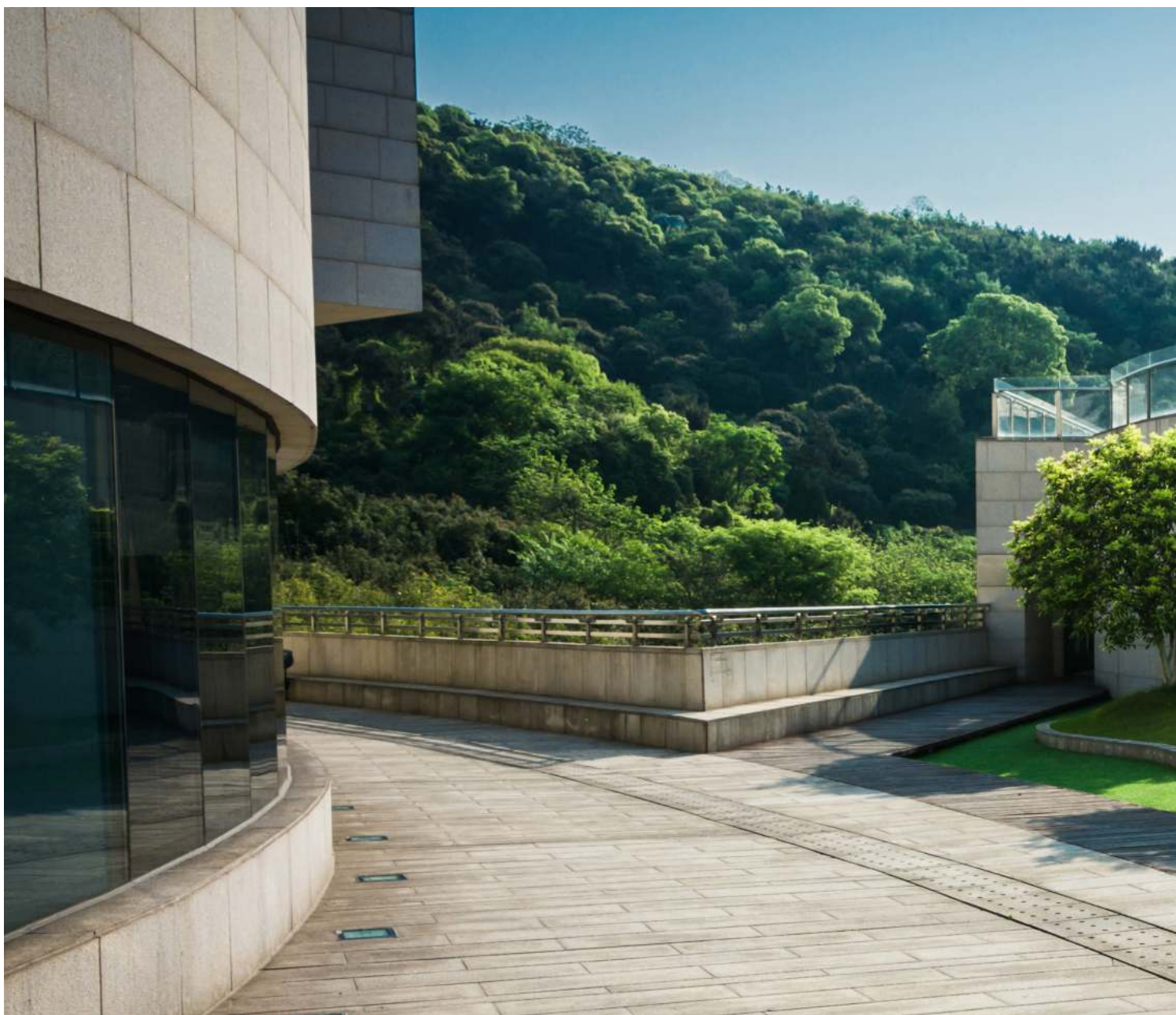
**DUO** PERFECT FOR OWNERS ASSOCIATIONS.....PAGE 182-183

**DUO DAY&NIGHT** ACCESS CONTROL.....PAGE 184

**NEW DUO 305** DOOR OPEN SIGNALLING.....PAGE 185

**DUO M** MECHANICAL PART.....PAGE 186

**DUO E** ELECTRICAL PART.....PAGE 187





# **DORCAS** AUTOMATIC

## **DUO**

The DUO electromechanical lock consists of an electrical part (DUO E) installed in the frame, and a mechanical part (DUO M) installed in the door leaf.

When the door closes, **the bolt comes out automatically** to lock it without the need to put the key in. **Actuating the handle, turning the key or electrically the whole system is unlocked** so that the door can be opened just by pushing it.



### **INSTALLATION SPECIFICATIONS**

Type of installation	Flush-mounted
Reversible	Yes
Height (DUO E)	111.7 mm
Height (DUO M)	174 mm
Width (DUO E)	17 mm
Width (DUO M)	17 mm
Depth (DUO E)	28 mm
Depth (DUO M)	C*
Electrically tested cycles	200,000
Work temperature range	-20 / +50 °C
Consumption on start-up	12 VDC 1200 mA 12 VAC 960 mA
Consumption on idle	12 VDC 80 mA 12 VAC 170 mA



3	C	5	0	-	0	0	1	0
---	---	---	---	---	---	---	---	---

EN 14846-2008 - System 1

### **FUNCTIONS**

Automatic closing	Yes
Opening	Electrical/Manual
Anti-thrust	Yes
Monitoring	Optional



#### **AUTOMATIC TRIGGERING**

When the door closes the lock is automatically triggered. To open, we withdraw it with an electrical press, by turning the key or the handle. This bolt is solid, providing maximum security.



#### **REVERSIBLE**

Both the mechanical part (DUO M) and the electrical part (DUO E) can work on any type of door, irrespective of whether they open to the left or right.



#### **TOTAL COMPATIBILITY**

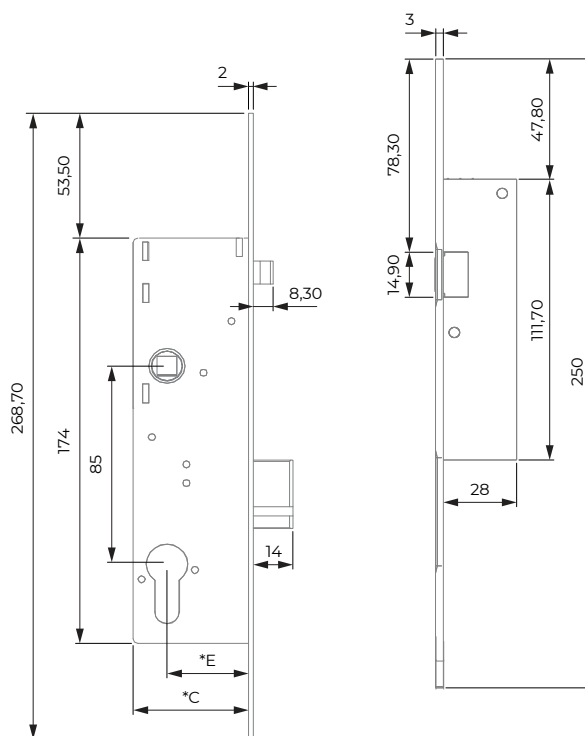
The DUO is compatible with short cam and long cam key cylinders.



## MODELS

	E* (mm)	C* (mm)
DUO 20/85	20	34
DUO 25/85	25	39
DUO 30/85	30	44
DUO 35/85	35	49
DUO 40/85	40	54
DUO 50/85	50	64
DUO 60/85	60	74

\*E = Distance between the centre of the cylinder and the front.  
\*C = Total depth of the lock.



## ELECTRICAL SPECIFICATIONS

VOLTAGE RANGE	12	24
	AC-DC	AC-DC
OPERATION	FAIL SECURE	FAIL SECURE
COIL RESISTANCE ( $\Omega$ )	17	32
AC CURRENT CONSUMPTION (mA)	525	600
DC CURRENT CONSUMPTION (mA)	700	750
MAX. OPENING PRELOAD AC (N)	-	-
MAX. OPENING PRELOAD DC (N)	-	-



### DESIGN AND SECURITY

Available with straight faceplates or faceplates with rounded edges. Choose the design you like best.

Ideal solution for owners associations due to its security and convenience.



### ANTI-THRUST

The DUO bolt has an anti-thrust device, considerably improving its anti-vandal properties.



### COMPLETE INSTALLATION

The DUO's installation is facilitated by adjustment add-ons, which also make it possible to set the right distance between the electrical part (DUO E) and the mechanical part (DUO M).

# DORCAS AUTOMATIC

## DUO DAY&NIGHT



The DUO DAY AND NIGHT has been developed for situations in which a **long-duration electrical supply** is necessary in order to access control during certain times of the day (owners associations with answering device, companies, etc.).

### INSTALLATION SPECIFICATIONS

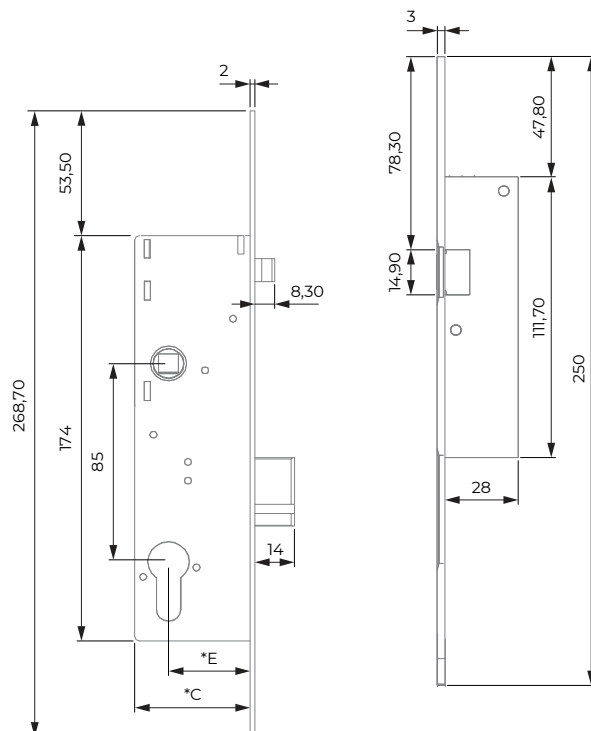
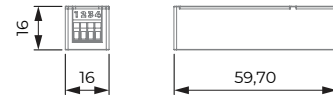
Type of installation	Flush-mounted
Reversible	Yes
Height (DUO E)	111.7 mm
Height (DUO M)	174 mm
Width (DUO E)	17 mm
Width (DUO M)	17 mm
Depth (DUO E)	28 mm
Depth (DUO M)	C*
Electrically tested cycles	200,000
Work temperature range	-20 / +50 °C
Consumption on start-up	12 VDC 1200 mA 12 VAC 960 mA
Consumption on idle	12 VDC 80 mA 12 VAC 170 mA



3 C 5 0 - 0 0 1 0  
EN 14846-2008 - System 1

### FUNCTIONS

Automatic closing	Yes
Opening	Electrical/Manual
Anti-thrust	Yes
Monitoring	Optional



### DN SYSTEM

One press disarms the electric part and the door becomes an access gate; another press resets the lock, once we open the door and close it again.

NOTE: See models and electrical specifications of page 183

**DORCAS** AUTOMATIC  
**DUO 305**

The DUO 305 has a **monitoring function** (305) and incorporates a wired output that signals door open or closed, alarm activated or any other additional function.



**INSTALLATION SPECIFICATIONS**

Type of installation	Flush-mounted
Reversible	Yes
Height (DUO E)	111.7 mm
Height (DUO M)	174 mm
Width (DUO E)	17 mm
Width (DUO M)	17 mm
Depth (DUO E)	28 mm
Depth (DUO M)	C*
Electrically tested cycles	200,000
Work temperature range	-20 / +50 °C
Consumption on start-up	12 VDC 1200 mA 12 VAC 960 mA
Consumption on idle	12 VDC 80 mA 12 VAC 170 mA

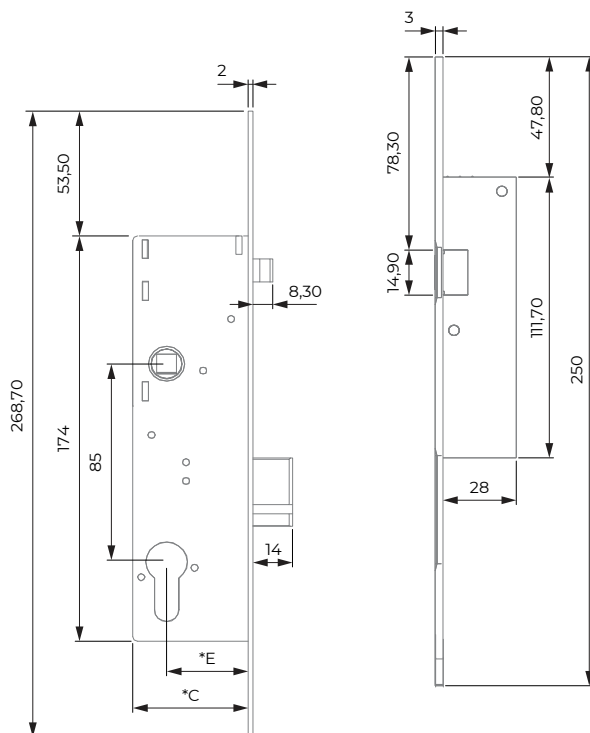


3	C	5	0	-	0	0	1	0
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EN 14846-2008 - System 1

**FUNCTIONS**

Automatic closing	Yes
Opening	Electrical/Manual
Anti-thrust	Yes
Monitoring	Yes



**USE WITH ACCESS CONTROL**

The DUO 305 version was conceived for use in installations with any type of access control.

NOTE: See models and electrical specifications of page 183

# DORCAS AUTOMATIC

## DUO M



The DUO M lock is the mechanical part of the DUO set, **it is installed in the door leaf** and as it is completely mechanical it isn't necessary to wire the leaf.

The dimensions of the mechanical part meet the most common standards, making it **ideal for refitting**.

### INSTALLATION SPECIFICATIONS

Type of installation	Flush-mounted
Reversible	Yes
Height	174 mm
Width	17 mm
Depth	C*
Electrically tested cycles	200,000
Work temperature range	-20 / +50 °C

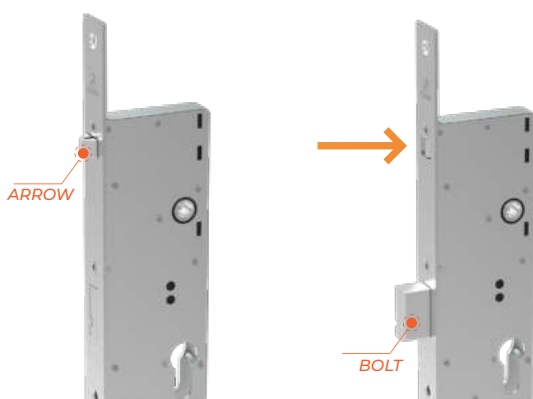


3 C 5 0 - 0 0 0 0  
EN 14846-2008 - System 1

### FUNCTIONS

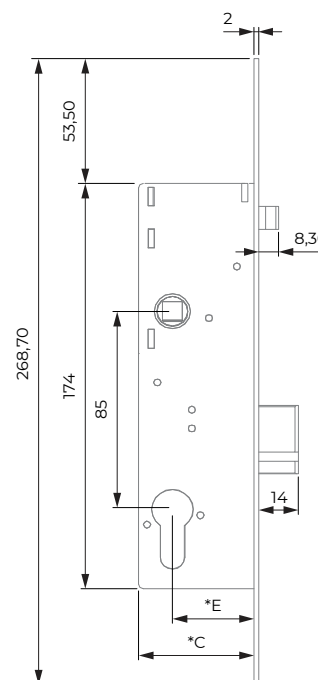
Automatic closing	Yes
Opening	Manual
Anti-thrust	Yes
Monitoring	No

DORCAS - CATALOGUE 2023



### AUTOMATIC TRIGGERING

When the DUO is in the idle state, the arrow protrudes in its entirety. As this element is pressed, the bolt comes out until it is locked by the anti-thrust mechanism, so that when the door is closed, the bolt is automatically triggered.



NOTE: See models and electrical specifications of page 183

# DORCAS

AUTOMATIC

## DUO E

The DUO E lock is the electrical part of the DUO set and **is installed in the door frame.**

The dimensions of the electrical part match the most commonly sold strikes, making it **ideal for refitting.**



### INSTALLATION SPECIFICATIONS

Type of installation	Flush-mounted
Reversible	Yes
Height	111.7 mm
Width	17 mm
Depth	28 mm
Electrically tested cycles	200,000
Work temperature range	-20 / +50 °C

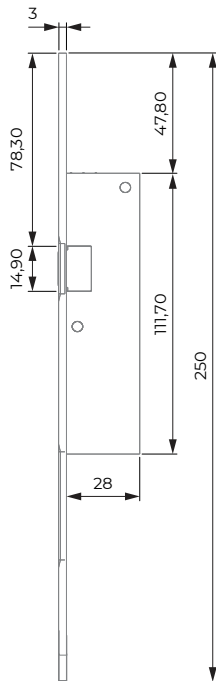


3	C	5	0	-	0	0	1	0
---	---	---	---	---	---	---	---	---

EN 14846-2008 - System 1

### FUNCTIONS

Automatic closing	Yes
Opening	Electrical
Anti-thrust	No
Monitoring	Optional



### MINIMUM CONSUMPTION

The DUO E electromechanical lock offers a lower power consumption than the market standard; it only requires a pulse of 600mA in alternating current or 700mA in direct current.

NOTE: See models and electrical specifications of page 183

**NEW DSL** AUTOLOCKING AND AUTOMATIC TRIGGERING.....PAGE 190-193

**SC-LOCK** CABLE, BATTERY OR INDUCTIVE.....PAGE 194-195







The DSL electromechanical lock is a **self-locking and automatic triggering** lock with panic exit system that guarantees the highest level of security and durability, with maximum certification, suitable for apartment buildings, schools, hotels and offices.

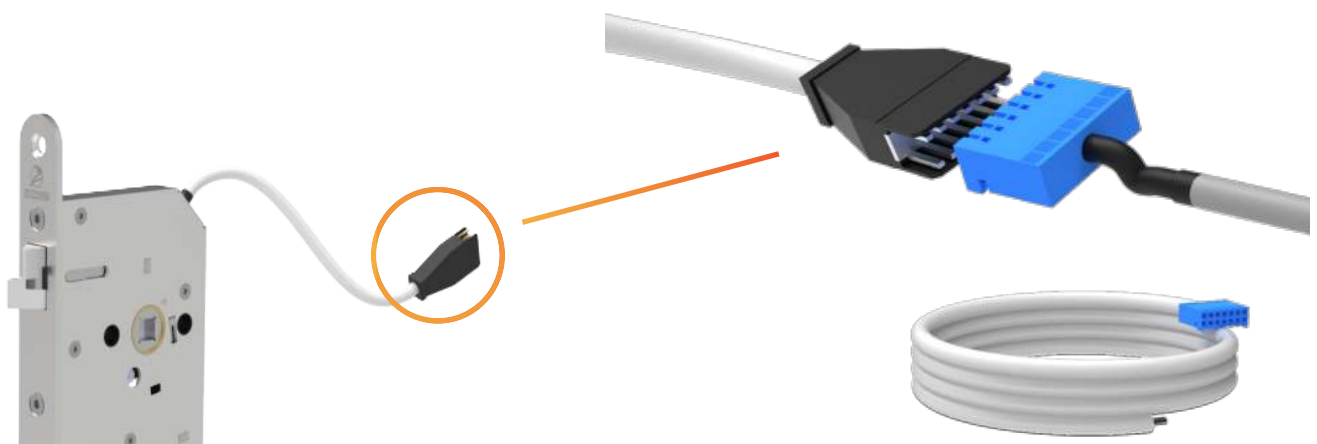
## INSTALLATION SPECIFICATIONS

Type of installation	Flush-mounted
Reversible	Yes
Height	170 mm
Width	15 mm
Depth	C*
Voltage	10-24 VDC
Consumption	250 mA
Electrically tested cycles	200,000
Work temperature range	-20 / +50 °C



## FUNCTIONS

Automatic closing	Yes
Opening	Manual
Anti-thrust	Yes
Monitoring	Yes
Acoustic signal	Yes
Panic handle	Optional



### COMPATIBLE CONNECTOR

The connector incorporated in the DSL electromechanical lock is fully compatible with those already on the market, making it perfect for quick and easy replacement.

The connection cable has a 14-wire connector and is 6 m long.

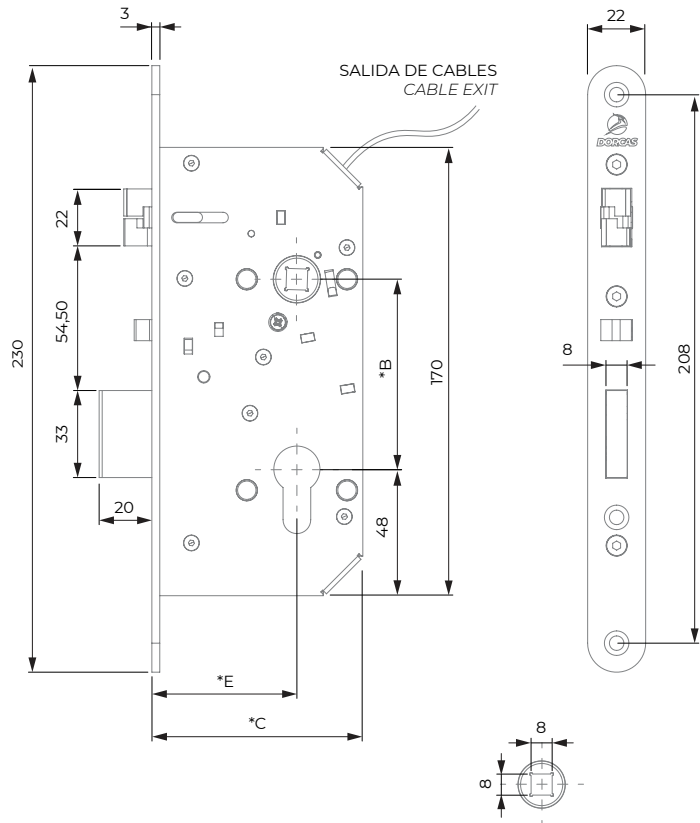
Ref: [L-DSL-CC6-----](#)



	B* (mm)	E* (mm)	C* (mm)
55/72	72	55	80
65/72	72	65	90
50/90	90	50	80
35/92	92	35	50
45/92	92	45	60

\*E = Distance between the centre of the cylinder and the front.  
 \*C = Total depth of the lock.  
 \*B = Distance between the centre of the cylinder and the follower.

\*\* In DSL type 35/92 and 45/92, the handle square will be 7.00 x 7.00 [mm]



**MODELS**

**DSL 55/72**



- Ref: L-DSL55/72-----
- Ref: L-DSL55/72FSA---
- Ref: L-DSL55/72FSANP-
- Ref: L-DSL55/72NP----

**DSL 65/72**



- Ref: L-DSL65/72-----
- Ref: L-DSL65/72FSA---
- Ref: L-DSL65/72FSANP-
- Ref: L-DSL65/72NP----

**DSL 50/90**



- Ref: L-DSL50/90-----
- Ref: L-DSL50/90FSA---
- Ref: L-DSL50/90FSANP-
- Ref: L-DSL50/90NP----

**DSL 35/92**



- Ref: L-DSL35/92-----
- Ref: L-DSL35/92FSA---
- Ref: L-DSL35/92FSANP-
- Ref: L-DSL35/92NP----

**DSL 45/92**



- Ref: L-DSL45/92-----
- Ref: L-DSL45/92FSA---
- Ref: L-DSL45/92FSANP-
- Ref: L-DSL45/92NP----



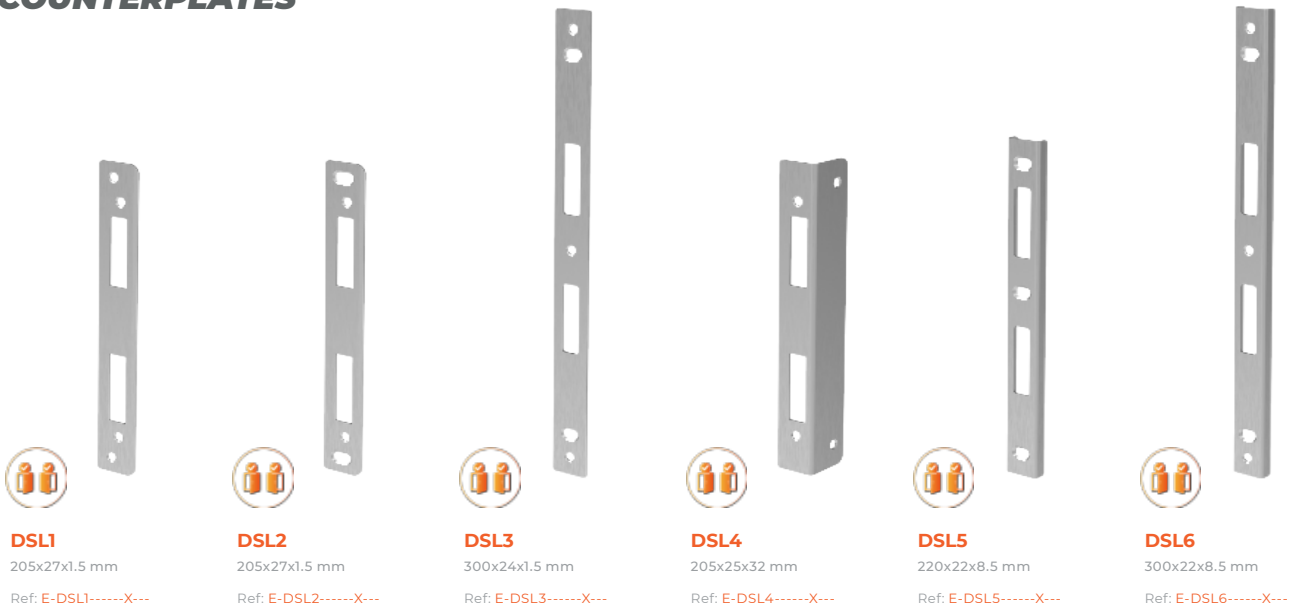
For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.



NOTE: FSA=Fail safe - NP=No panic handle

START  
 ELECTRIC STRIKES  
 FACEPLATES  
 ELECTROMECHANICAL LOCKS  
 MECHANICAL LOCKS  
 ELECTROMAGNETIC LOCKS  
 DOOR CLOSERS  
 DOOR OPERATORS  
 ACCESS CONTROL  
 ACCESSORIES

## COUNTERPLATES



NOTE: If not otherwise indicated, the thickness (e) will be e=1.5 mm

## TYPES OF OPENING

**MECHANICAL OPENING** Handle panic side and key cylinder.

**ELECTRICAL OPENING** Turning the outside handle during the electrical pulse.



### AUTOMATIC TRIGGERING

When the door is closed, the trigger automatically extracts the bolt, providing extra security.



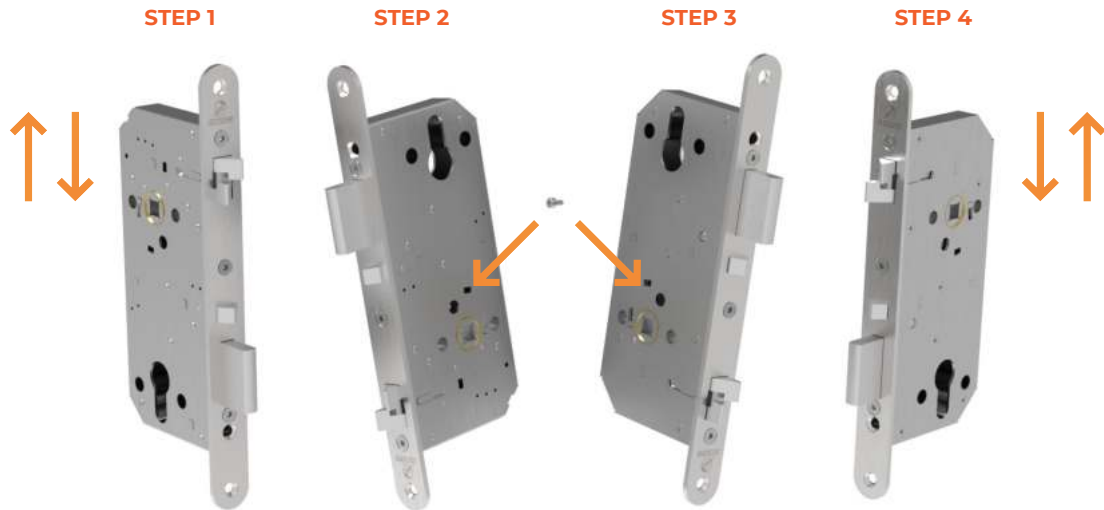
### QUADRUPLE MONITORING

The DSL electromechanical lock incorporates three microphones for monitoring the status of the bolt (1), the handle (2), the trigger (3) and the key cylinder (4).



### ANTI-THRUST

Both the bolt and the latch have an anti-thrust device, considerably improving their anti-vandal properties.



**CHANGE OF PANIC SIDE**

The easy change of the panic side allows us to change the orientation of the security handle, which will always open the door directly with or without power, normally located on the inside of the room. To change side, just unscrew the Allen screw and screw it in on the opposite side.



**FAIL SECURE - FAIL SAFE**

The lock is available in both Fail Secure (normal operation) and Fail Safe (reversed operation) irrespective of the size chosen.

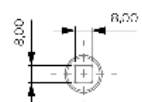
**REVERSIBLE**

It can work on any type of door, irrespective of whether they open to the left or right.

**STANDARDS AVAILABLE**

Available in different sizes meeting standards:

- 9/9
- 8/8
- 7/7



# DORCAS

SELF-LOCKING

## SC-LOCK

The SC-LOCK panic electric lock has a latch which is also a self-locking, anti-thrust security bolt. **The lock is locked at the same time the door is closed**, and can be unlocked using the handle, the key cylinder or electrically.



### INSTALLATION SPECIFICATIONS

Type of installation	Flush-mounted
Reversible	No
Height	165 mm
Width	15 mm
Depth	B* + 33 mm
Electrically tested cycles	200,000
Work temperature range	-10 / +50 °C
Cylinder	European



### FUNCTIONS

Automatic closing	Yes
Opening	Manual/Electrical
Anti-thrust	Yes
Monitoring	Yes
Acoustic signal	Yes
Panic handle	Optional

DORCAS - CATALOGUE 2023



#### SELF-LOCKING

The SC-LOCK electric lock provides high security thanks to the self-closing feature and its 20 mm bolt.

#### PANIC

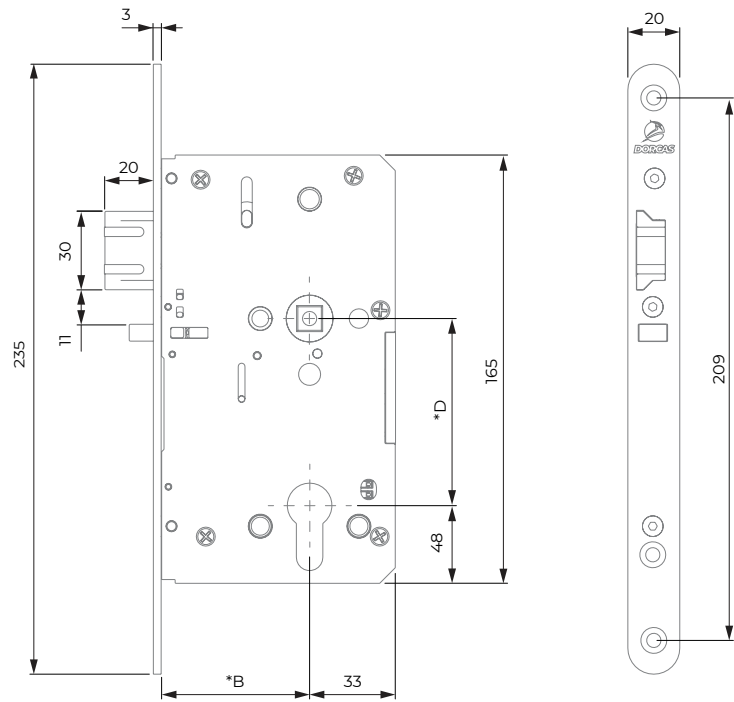
The panic feature ensures that it can always be opened from inside the room.

#### MONITORING

Monitoring and multiple electrical opening modes available thanks to the electronic I/O module.

NEEDLE (B*)	(50 / 60 / 65 / 70 / 80)
DISTANCE (D*)	PZ CYLINDER (70 / 72 / 88 / 92)
	RC CYLINDER (74 / 78 / 90 / 94)

B\* = Distance between the centre of the cylinder and the front.  
 D\* = Distance between the centre of the cylinder and the follower.



## MODELS

### CABLE



55/72  
 60/72  
 60/92  
 65/72

Power supply — 12 VDC  
 Consumption — 0.5 A

With just 2 wires, SC-Lock Cable transmits both power supply and status (monitoring) signals via the I/O Module.

### WIRELESS



55/72  
 60/72  
 60/88  
 65/72  
 70/72  
 35/92  
 40/72  
 50/72  
 60/70

Battery — 2 x 1.5 V / 0.21 A batteries

Wireless SC-Lock is the battery version of the SC-Lock locks. It has all the benefits of a self-locking electromechanical lock but without the need to wire the door or frame thanks to a built-in battery that lasts for 18 months.  
 Easy battery replacement.

### INDUCTIVE



55/72  
 60/72  
 35/92  
 45/72

Power supply — 9-24 VDC  
 Consumption — 530 mA (9 V)  
 400 mA (12 V)  
 200 mA (24 V)

The inductive version of the SC-Lock is ideal for installations where it is not possible to wire the door leaf but power supply is available in the frame.  
 With the inductive mode, electricity is transferred to the lock in order to charge the battery while the door is closed.



For the models indicated DORCAS has availability both in **FAIL SECURE** and in **FAIL SAFE** operation.





# DORCAS

MOTORIZED

## MZ-LOCK

Motorised **high-security lock for simple and interlocking doors.**

Mechanical opening with European cylinder. Management delegated to the electronic control system (electronic control unit).

Stainless steel counterplate with non-return ball



### INSTALLATION SPECIFICATIONS

Type of installation	Flush-mounted
Height	351 mm
Width	25 mm
Depth	33 mm
Voltage	12 VDC
Tested cycles	300,000
Operating temperature	-20 °C / +50 °C
Consumption on start-up	4000 mA
Consumption on idle	100 mA

### FUNCTIONS

Operation	Fail safe
Monitoring*	Yes
LED signalling	No
Timing	No

\*Position of the leaf.

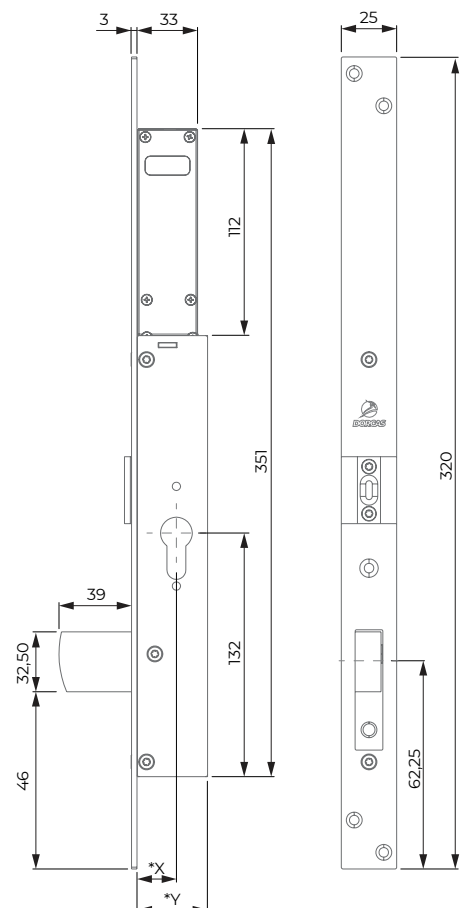
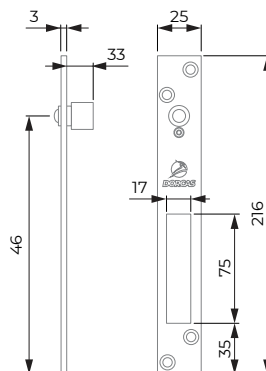
DORCAS - CATALOGUE 2023



Electronic control unit for controlling the operation of a door.

Installation	Flush-mounted
Material	Grey ABS
Power supply	12 VDC
Start-up current	4000 mA
Idle current	100 mA

	X* (mm)	Y* (mm)
MZ 20	17	33
MZ 25	22	38
MZ 30	27	43
MZ 35	32	48
MZ 40	47	63







- NEW V7** TIMING WITH LED.....PAGE 202
- NEW V8** TIMING WITH LED AND KEY CYLINDER.....PAGE 203
- V9** TIMING WITH LED FOR GLASS DOORS.....PAGE 204
- V10** FAIL SECURE OR FAIL SAFE WITH KEY CYLINDER.....PAGE 205
- NEW V14** TIMED WITH KEY CYLINDER AND HANDLE.....PAGE 206
- NEW V15** FOR GATE TYPE DOORS.....PAGE 207





**DORCAS**  
**ELECTRIC DROP BOLT**



# DORCAS

## V7

ELECTRIC DROP BOLT



Electric drop bolt V7 with **small size and high power**. Timing of 0 - 3 - 6 seconds, signalling by LED (red/green).

Low-consumption, environmentally friendly electric drop bolt.

### INSTALLATION SPECIFICATIONS

Type of installation	Flush-mounted
Height	125 mm
Width	24.50 mm
Depth	35 mm
Voltage	12-24 VDC
Tested cycles	300,000
Operating temperature	-20 °C / +50 °C
Consumption on start-up	12 VDC 1125 mA 24 VDC 2245 mA
Consumption on idle	12 VDC 240 mA 24 VDC 240 mA
Retention force	2600 lb (1200 kg)



### FUNCTIONS

Operation	Fail secure or fail safe
Monitoring*	Yes
LED signalling	Yes
Timing	0 - 3 - 6 s

\*Position of the bolt.

For this model DORCAS is available in both **FAIL SECURE** and in **FAIL SAFE** operation.

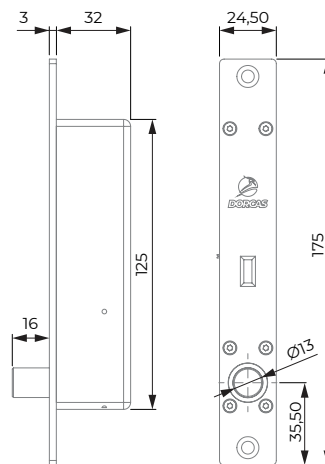
DORCAS - CATALOGUE 2023



### TIMING

Simple and quick, with access on the electric piston side.

Settable to 0 - 3 - 6 seconds.





ELECTRIC DROP BOLT

Electric drop bolt V8 with **reversed operation**. Timing of 0 - 3 - 6 seconds, signalling by LED (red/green). Includes the possibility of installing a long cam key cylinder.

Low-consumption, environmentally friendly electric drop bolt.



### INSTALLATION SPECIFICATIONS

Type of installation	Flush-mounted
Height	195 mm
Width	29.50 mm
Depth	48 mm
Voltage	12-24 VDC
Tested cycles	300,000
Operating temperature	-20 °C / +50 °C
Consumption on start-up	12 VDC 1125 mA 24 VDC 2245 mA
Consumption on idle	12 VDC 240 mA 24 VDC 240 mA
Retention force	2600 lb (1200 kg)

### FUNCTIONS

Operation	Fail safe
Monitoring*	Yes
LED signalling	Yes
Timing	0 - 3 - 6 s

\*Position of the bolt.



#### TIMING

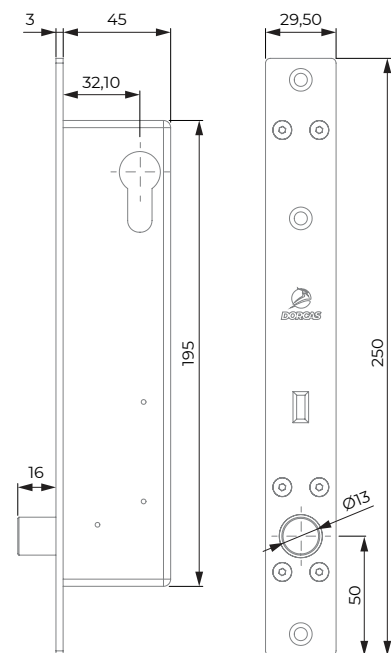
Simple and quick, with access on the electric piston side.

Settable to 0 - 3 - 6 seconds.



#### KEY CYLINDER

The electric piston includes the possibility of installing a long cam key cylinder.



START  
ELECTRIC STRIKES  
FACEPLATES  
ELECTROMECHANICAL LOCKS  
MECHANICAL LOCKS  
ELECTROMAGNETIC LOCKS  
DOOR CLOSERS  
DOOR OPERATORS  
ACCESS CONTROL  
ACCESSORIES

# DORCAS

## V9

ELECTRIC DROP BOLT



Electric drop bolt V9 is designed for doors with **glass frame and glass leaf**. Timing of 0 - 3 - 6 seconds, signalling by LED (red/green).

Low-consumption, environmentally friendly electric drop bolt.

### INSTALLATION SPECIFICATIONS


Type of installation	Flush-mounted
Height	145 mm
Width	38 mm / 26 mm
Depth	44 mm
Voltage	12-24 VDC
Tested cycles	500,000
Operating temperature	-10 °C / +55 °C
Consumption on start-up	12 VDC 1000 mA 24 VDC 500 mA
Consumption on idle	12 VDC 110 mA 24 VDC 55 mA
Retention force	7800 N (800 kg)



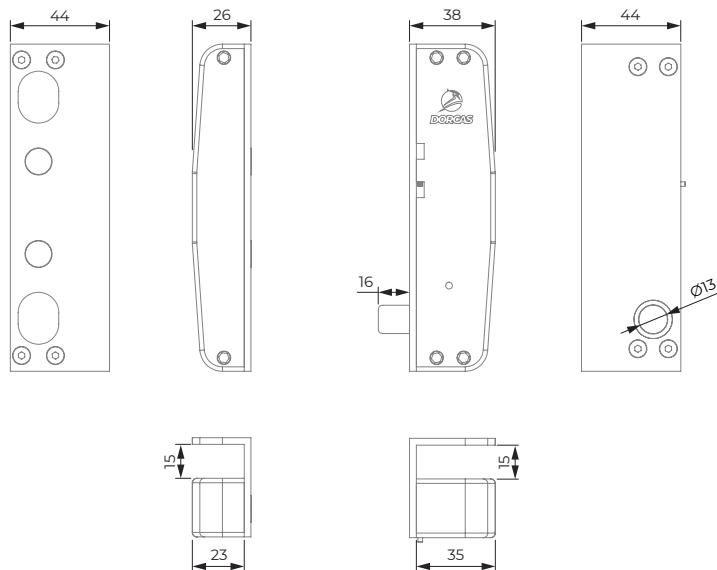
### FUNCTIONS

Operation	Fail secure or fail safe
Monitoring*	Yes
LED signalling	Yes
Timing	0 - 3 - 6 s

\*Position of the bolt.

 For this model DORCAS is available in both **FAIL SECURE** and in **FAIL SAFE** operation.

DORCAS - CATALOGUE 2023



### TIMING

Simple and quick, with access on the electric piston side.

Settable to 0 - 3 - 6 seconds.

# DORCAS

## V10

ELECTRIC DROP BOLT

Electric drop bolt provided with opening by key cylinder. **Its operation can be set to reversed mode (fail safe) or to normal mode (fail secure).** It is ideal for double leaf doors and has a monitoring sensor that identifies whether the door is open or closed.

It is made in stainless steel and is fire-resistant



### INSTALLATION SPECIFICATIONS

Type of installation	Flush-mounted
Height	224.50 mm
Width	27 mm
Depth	38 mm
Voltage	12-24 VDC
Tested cycles	300,000
Operating temperature	-20 °C / +50 °C
Consumption on start-up	12 VDC 1500 mA 24 VDC 840 mA
Consumption on idle	12 VDC 200 mA 24 VDC 100 mA

### FUNCTIONS

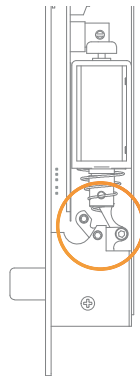
Operation	Fail secure / Fail safe
Monitoring*	Yes
LED signalling	No
Timing	0 - 3 - 6 s

\*Position of the bolt.

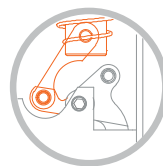


#### KEY CYLINDER

The electric piston includes the possibility of installing a long cam key cylinder.



REVERSED OPERATION

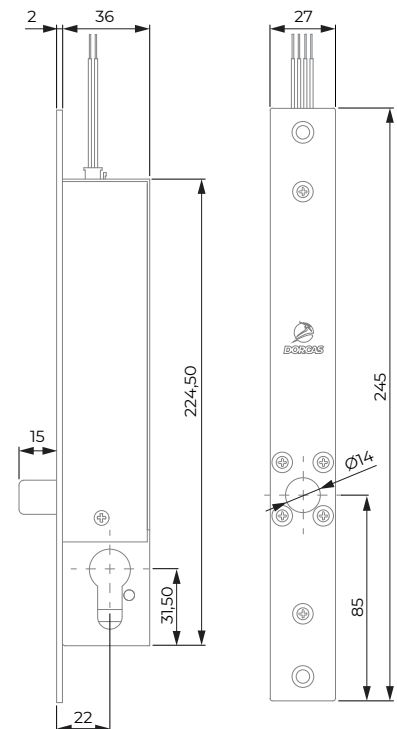


NORMAL OPERATION



#### FAIL SECURE - FAIL SAFE

To change from fail secure to fail safe and vice versa, we need to change the position of the internal cam.





ELECTRIC DROP BOLT

Electric security drop bolt with **automatic opening by means of European cylinder and handle**. Hardened steel, anti-shear, rotating bolt with mechanical locking in the closed position.

Connection via quick-coupling connection.



**INSTALLATION SPECIFICATIONS**

Type of installation	Flush-mounted
Height	230 mm
Width	22 mm
Depth	40 mm
Voltage	12-24 VDC
Tested cycles	300,000
Operating temperature	-20 °C / +50 °C
Consumption on start-up	12 VDC 2500 mA 24 VDC 3000 mA
Consumption on idle	12 VDC 130 mA 24 VDC 230 mA
Lateral force	10025 N (1020 kg)
Axial force	6000 N (610 kg)

**FUNCTIONS**

Operation	Fail secure
Monitoring*	Yes
LED signalling	No
Closing temp.	0 - 5 s
Opening temp.	0 - 60 s

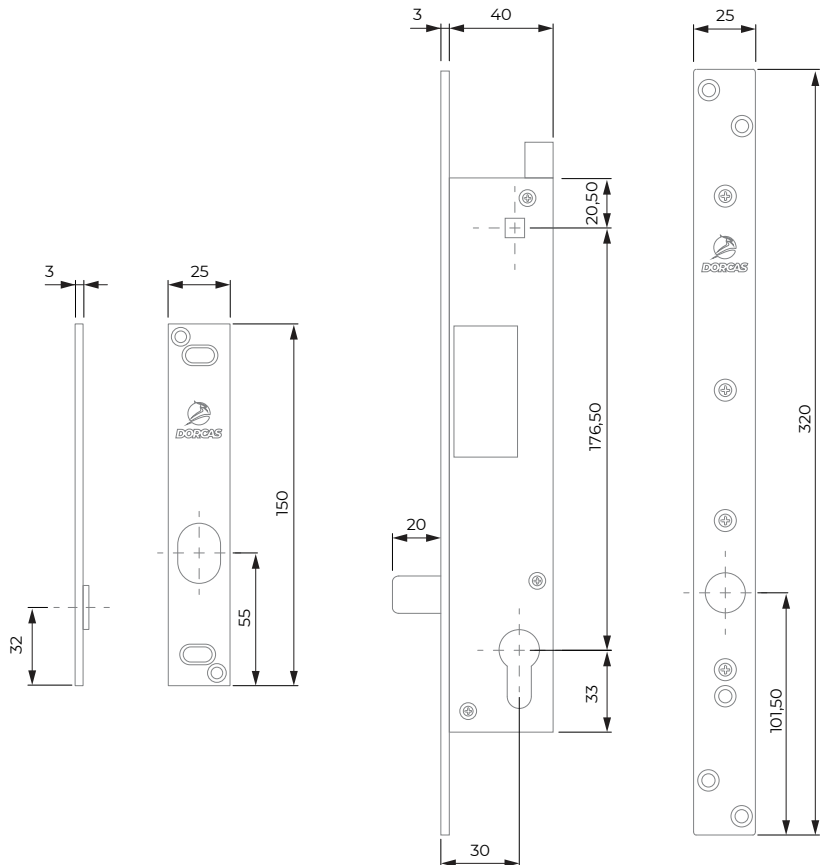
\*Bolt position and leaf position.

DORCAS - CATALOGUE 2023



**SURFACE-MOUNTED CASING**

The V140 accessory is a casing that allows the V14 to be surface-mounted for installations in which flush-mounting it is not possible.







ELECTRIC DROP BOLT



**High security electric drop bolt** for gates.

Mechanical opening with European cylinder (through-hole from both sides) - cylinder not included. Protection of the cylinder's orifice against atmospheric rubber agents.

Steel bolt 18 mm in diameter and 28 mm long. Lock body in stainless steel.

**INSTALLATION SPECIFICATIONS**

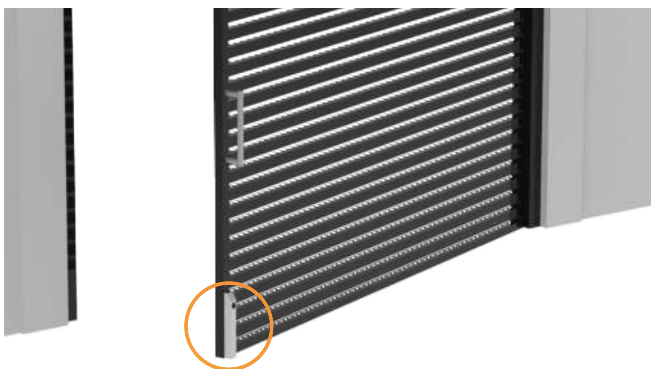
Type of installation	Flush-mounted
Height	300 mm
Width	41 mm
Depth	45,50 mm
Voltage	24 VDC
Tested cycles	300,000
Operating temperature	-20 °C / +50 °C
Consumption on start-up	24 VDC 3000 mA
Consumption on idle	24 VDC 300 mA

**FUNCTIONS**

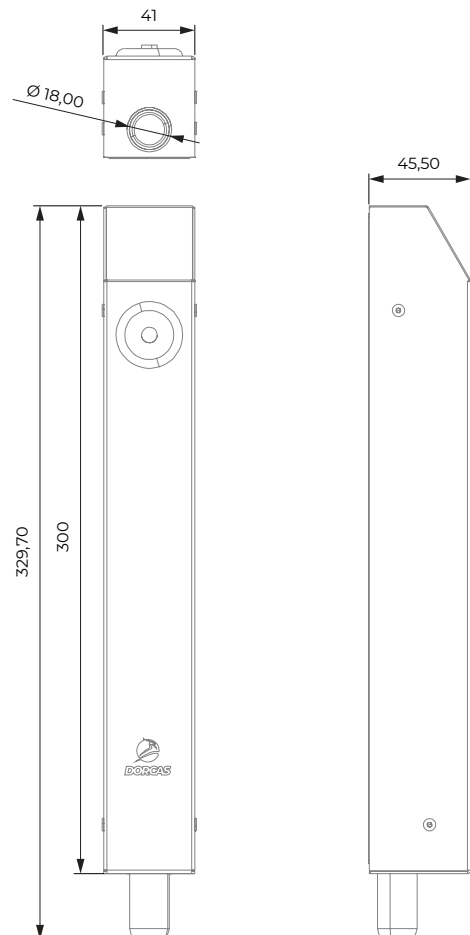
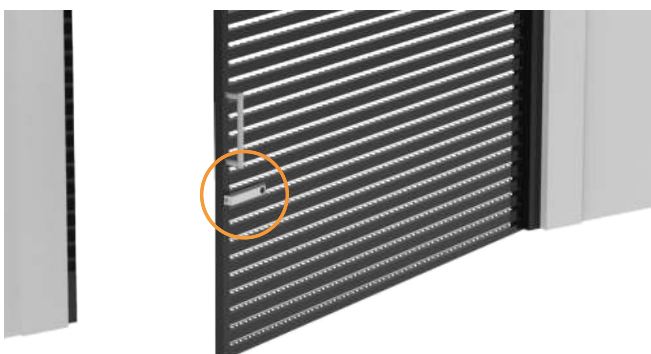
Operation	Fail safe
Monitoring*	Yes
LED signalling	No
Timing	No

\*Position of the bolt.

**VERTICAL INSTALLATION**



**HORIZONTAL INSTALLATION**



**D96/B** WITH OPENING BUTTON.....PAGE 210

**D96/C** WITHOUT OPENING BUTTON.....PAGE 211

**D94** MOTORISED AND REVERSIBLE.....PAGE 212





**DORCAS**  
**SURFACE-MOUNTED**



# DORCAS

## D96/B

SURFACE-MOUNTED

REVERSIBLE

The D96 is reversible and has an adjustable outer cylinder (inlets from 50 to 70 mm). It works in either alternating current or direct current and its coil is waterproofed in order to extend its useful life.

The D96/B version incorporates a cylinder on the inside **allows you to lock the opening button** leaving only electric opening from the inside enabled.



### INSTALLATION SPECIFICATIONS

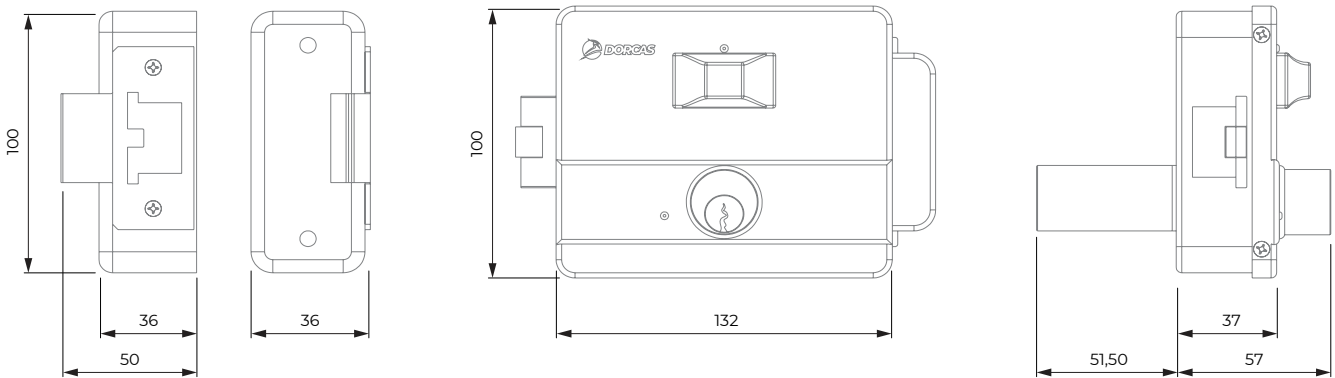


Type of installation	Surface-mounted
Reversible	Yes
Symmetrical	No
Height	104 mm
Width	155 mm
Depth	108.50 mm
Input current	12VDC / 12VAC
Consumption of direct current	1700 mA
Consumption of alternating current	815 mA
Tested cycles	200,000
Operating temperature	-15 °C / +40 °C

### FUNCTIONS

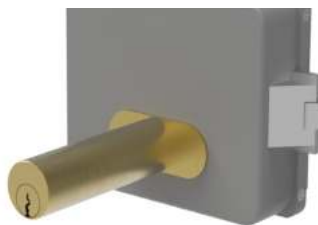
Electric opening	Yes
Key opening	Yes
Manual opening	Yes
Led	No
Sound	No

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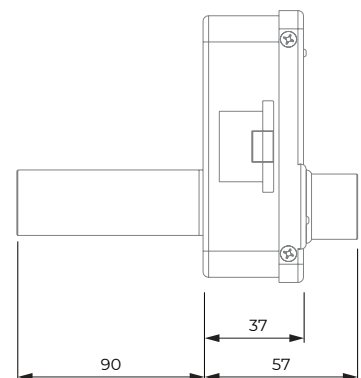
#### CHANGE OF HAND

We can change the hand of the D96 lock by simply opening it, rotating the inner mechanism 180° and changing one of the pins on the side.



#### CYLINDER EXTENDER

The standard outside cylinder has a length of 50 mm. With the CL extender, however, we can give it a maximum length of 90 mm.



# DORCAS

## D96/C

SURFACE-MOUNTED

**REVERSIBLE**

The D96 is reversible and has an adjustable outer cylinder (inlets from 50 to 70 mm). It works in either alternating current or direct current and its coil is waterproofed in order to extend its useful life.

Unlike the D96/B version, the D96/C version only **has the electric opening option enabled on the inside.**



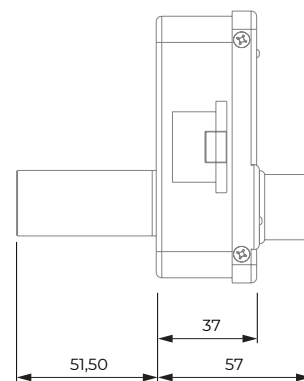
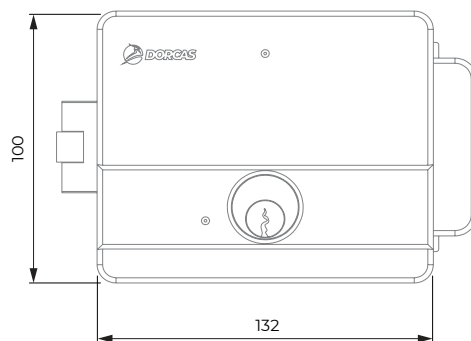
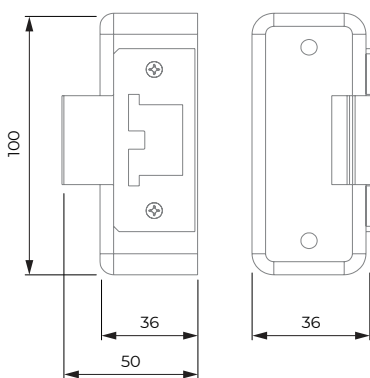
### INSTALLATION SPECIFICATIONS

Type of installation	Surface-mounted
Reversible	Yes
Symmetrical	No
Height	104 mm
Width	155 mm
Depth	108.50 mm
Input current	12VDC / 12VAC
Consumption of direct current	1700 mA
Consumption of alternating current	815 mA
Tested cycles	200,000
Operating temperature	-15 °C / +40 °C



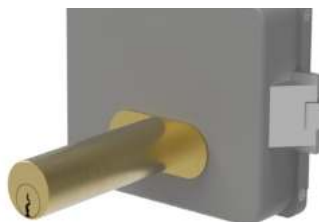
### FUNCTIONS

Electric opening	Yes
Key opening	Yes
Manual opening	No
Led	No
Sound	No



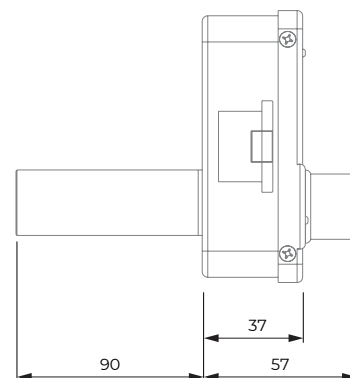
#### CHANGE OF HAND

We can change the hand of the D96 lock by simply opening it, rotating the inner mechanism 180° and changing one of the pins on the side.



#### CYLINDER EXTENDER

The standard outside cylinder has a length of 50 mm. With the CL extender, however, we can give it a maximum length of 90 mm.





SURFACE-MOUNTED

## D94

**MOTORISED**

The D94 is a complete **motorised , reversible electric lock** intended for surface-mounted installations. Their motor-driven opening makes them low-consumption as well as silent. Opening can be done by remote control, with a 125Khz card (up to 2000 users) and by key.

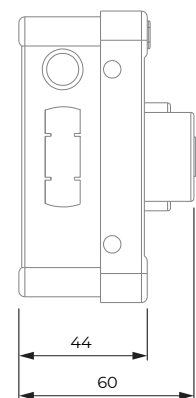
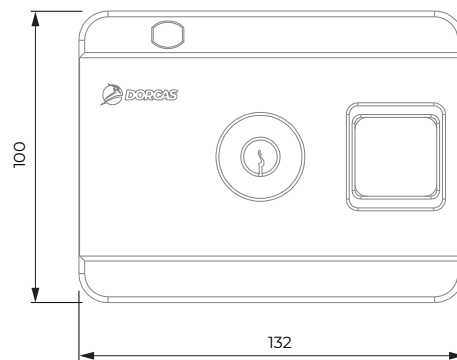
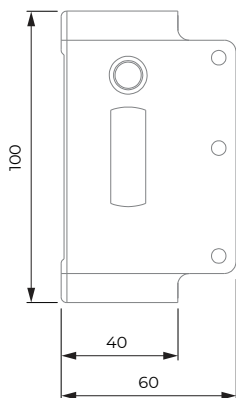


### INSTALLATION SPECIFICATIONS

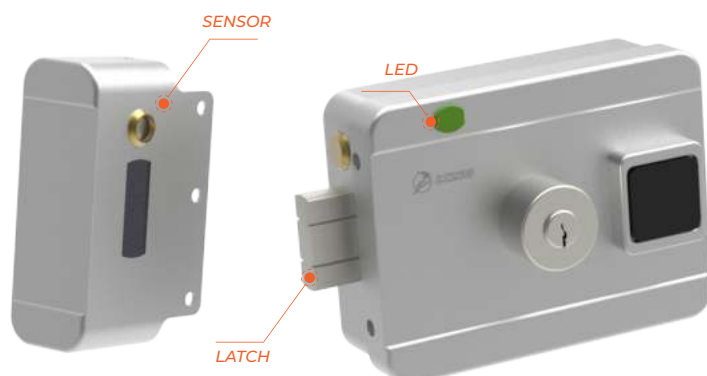
Type of installation	Surface-mounted
Reversible	Yes
Symmetrical	No
Height	96 mm
Width	126 mm
Depth	42 mm
Input current	12VDC
Consumption when stationary	60 mA
Tested cycles	200,000
Operating temperature	-15 °C / +40 °C

### FUNCTIONS

Read range	5-15 m
Remote control	Up to 500 m
Card	Yes (125Khz)
Capacity (cards)	2000 cards
LED	Yes
Sound	No



It has an LED light that indicates the opening and the closing. It also has a self-locking latch thanks to a closed door detection sensor.





# ***MECHANICAL LOCKS***

**WHAT IS A MECHANICAL LOCK?**







*Mechanical locks are those that need a key to activate and deactivate the locking system. The DORCAS range is manufactured in highly resistant materials, which give them a very long useful life.*

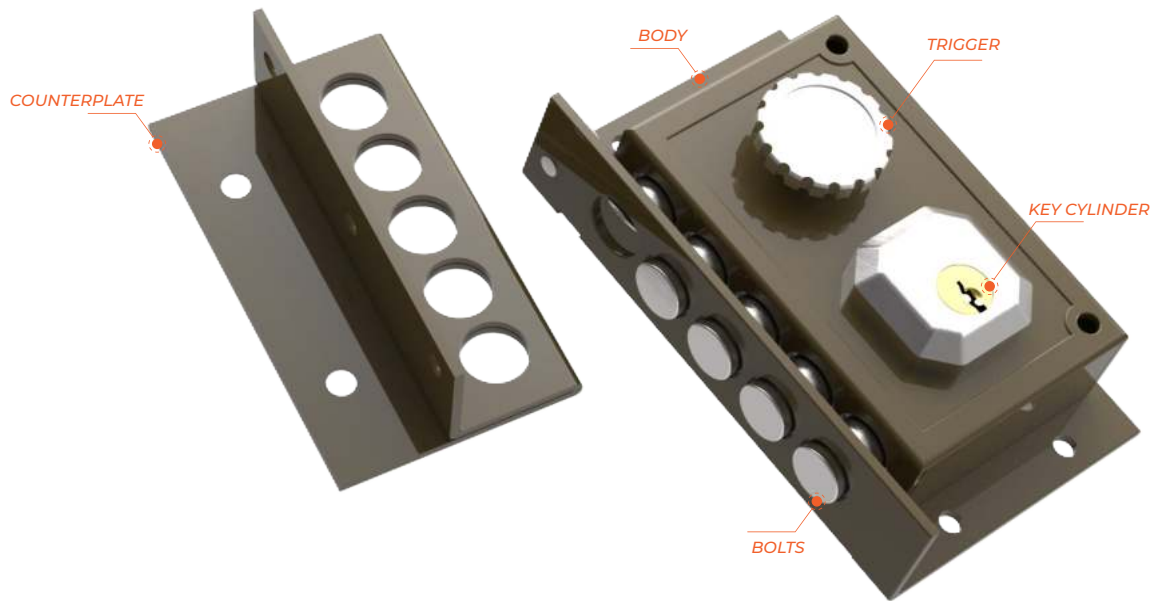


## PARTS OF A MECHANICAL LOCK

The most important parts of a mechanical lock are the type of key and the cylinder. At DORCAS we have different versions for each model.

The body is the most voluminous part and the part that includes the most parts of the lock. The cylinder is the elongated piece with the slot where the key is inserted. The bolts are what make the lock secure. Can include a trigger for opening from the inside.

The counterplate is the only part that goes outside the body. It captures the bolts when they are out.



## WHERE IS IT INSTALLED?

DORCAS has at your disposal surface-mounted mechanical locks, which are the ones that, once installed, are left exposed on one side of the door, which for security reasons would be on the side that is inside the house.

The lock body is installed on the door leaf, while the counter plate is installed on the door frame.

This type of locks need the hand to be determined.

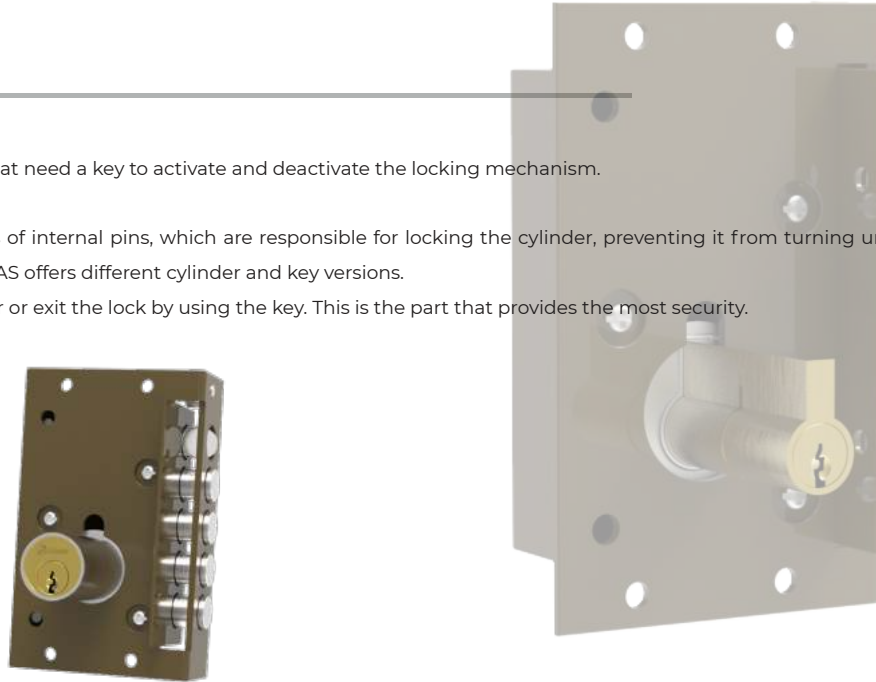


# OPERATION

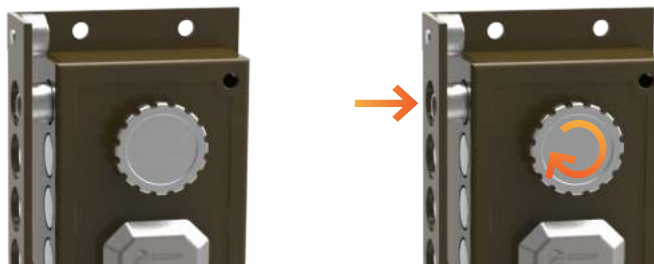
Mechanical locks are those that need a key to activate and deactivate the locking mechanism.

The lock cylinder has a series of internal pins, which are responsible for locking the cylinder, preventing it from turning unless the correct key is inserted. DORCAS offers different cylinder and key versions.

The lock's bolts can only enter or exit the lock by using the key. This is the part that provides the most security.



The mechanical lock C91 includes a trigger in order to give it free actuation (with the hand) on the inside.



## REGULATION DIN 107



Standing on the side from which we are pulling the door, if the hinges are seen on the left, it will be a din left door.

You need to order a DIN LEFT or right-hand strike.



Standing on the side from which we are pulling the door, if the hinges are seen on the right, it will be a din right door.

You need to order a DIN RIGHT or left-hand strike.



**Surface-mounted lock, high-resistance** due to its robustness. Anti-pressure swivel bushing. Door level setting corrector. It has four round reinforced bolts.

Version with trigger for opening from the inside.

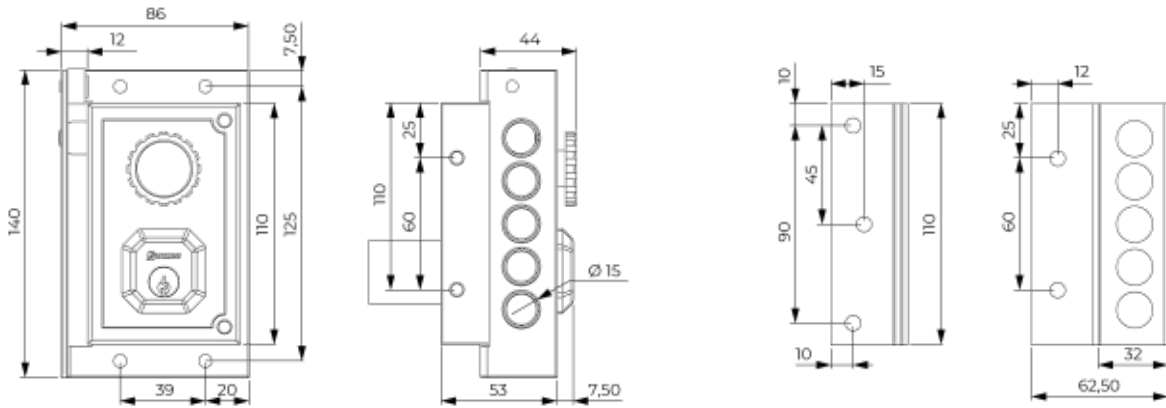
### INSTALLATION SPECIFICATIONS

Type of installation	—————	Surface-mounted
Reversible	—————	No
Symmetrical	—————	No
Height	—————	140 mm
Width	—————	86 mm
Depth	—————	44 mm
Resistance to breakage	—————	200,000
Work temperature range	—————	-10 / +50 °C

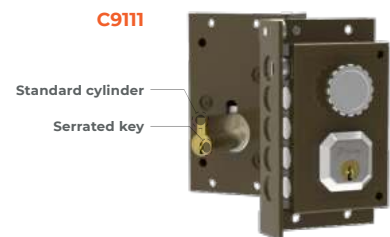
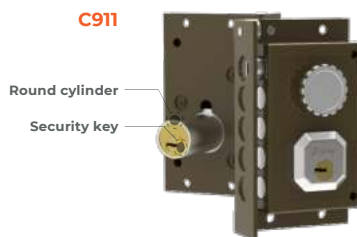
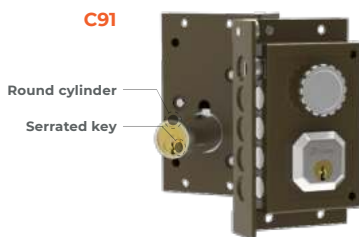


### FUNCTIONS

Automatic closing	—————	Yes
Opening	—————	Key
Catch on the inside	—————	Yes
Antileverage	—————	Yes



### MODELS





**Surface-mounted lock, high-resistance** due to its robustness. Anti-pressure swivel bushing. Door level setting corrector. It has five round reinforced bolts.

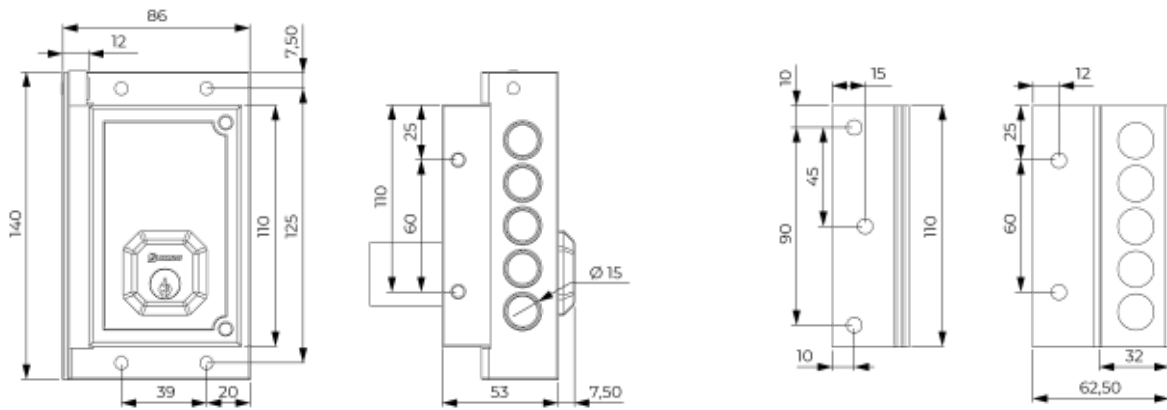
### INSTALLATION SPECIFICATIONS

Type of installation	Surface-mounted
Reversible	No
Symmetrical	No
Height	140 mm
Width	86 mm
Depth	44 mm
Resistance to breakage	200,000
Work temperature range	-10 / +50 °C



### FUNCTIONS

Automatic closing	Yes
Opening	Key
Catch on the inside	No
Antileverage	Yes

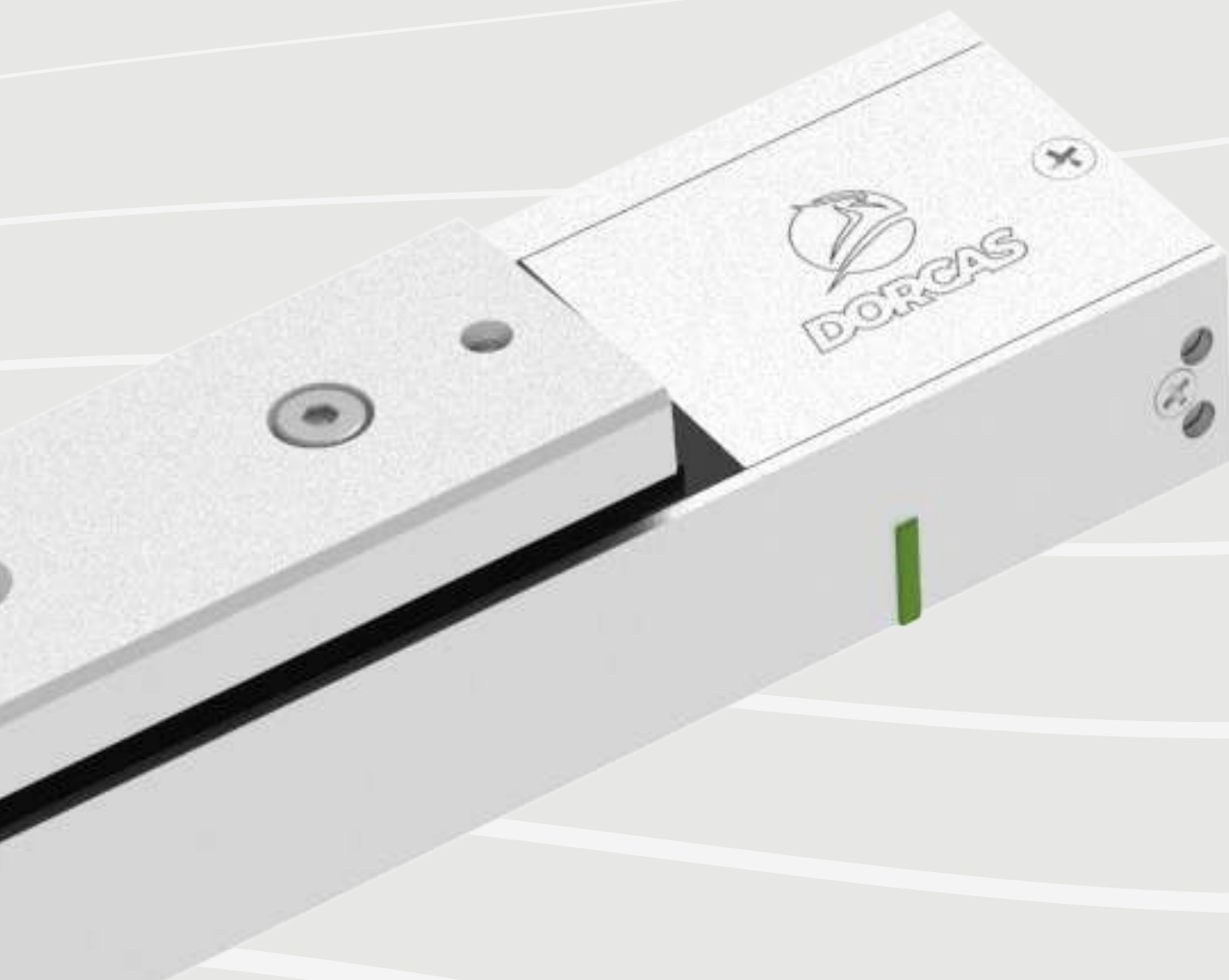


### MODELOS



# ***ELECTROMAGNETIC LOCKS***

**WHAT IS AN ELECTROMAGNETIC LOCK?**



**An electromagnetic lock is an electromagnet and a counter plate. This electromagnet is installed on the door frame and the counterplate is installed on the leaf. When current is supplied, the counter plate stays fixed to the electromagnet and the door stays closed. The operation is reversed: the door opens when the electric current is cut.**



- NEW M120** RETENTION OF 60KG.....PAGE 229
- NEW M300** RETENTION OF 180KG.....PAGE 230-231
- NEW M600** RETENTION OF 280KG.....PAGE 232-235
- NEW M1200** RETENTION UP TO 500KG.....PAGE 236-238
- M1500X** FOR BACK AND FORTH DOORS, RETENTION UP TO 750KG.....PAGE 240
- M2500X** FOR BACK AND FORTH DOORS, RETENTION UP TO 1500KG.....PAGE 241
- NEW PROFAST** WITH PULL HANDLE INCLUDED.....PAGE 242-243







**DORCAS**  
ELECTROMAGNETIC LOCKS

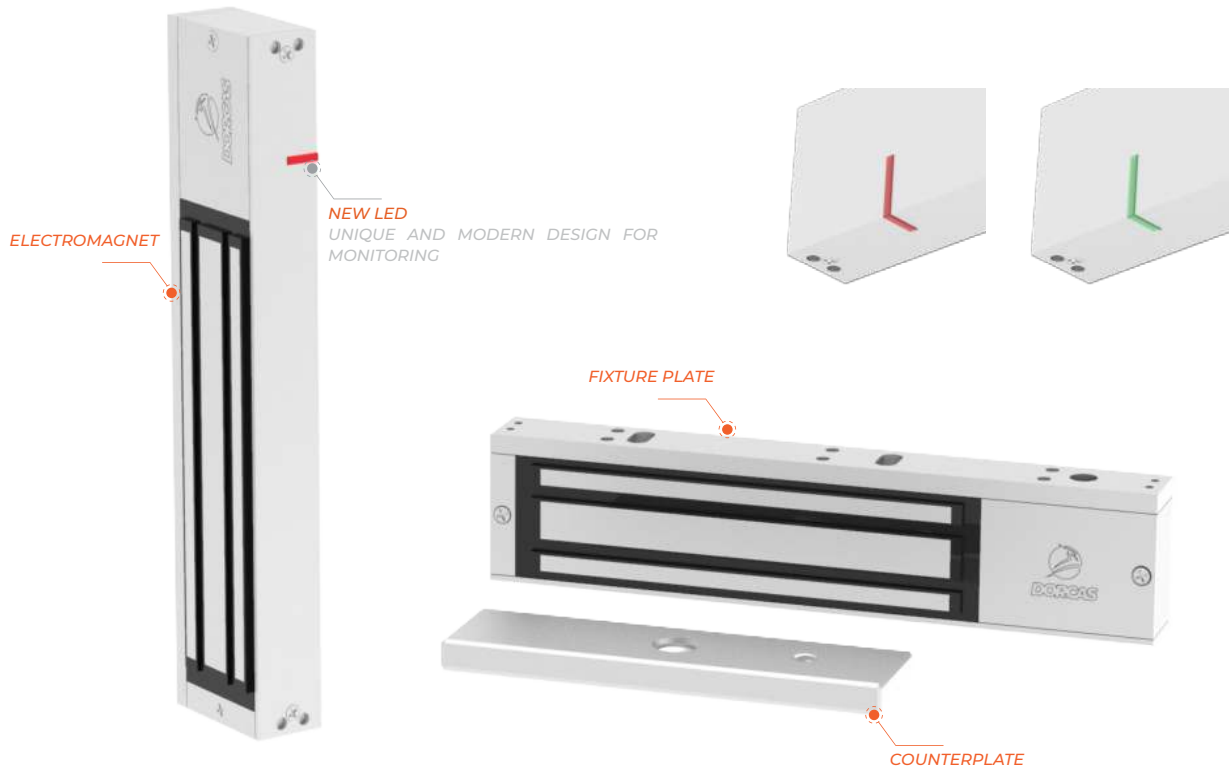



**DORCAS**  
*50 years*

## PARTS OF AN ELECTROMAGNETIC LOCK

An electromagnetic lock has two basic parts:

The **electromagnet** is the part that receives the electric current. In its solenoid an electromagnetic field is generated which locks the counterplate with force and closes the door. The **counterplate** is the part that sticks to the electromagnet. It is key to its operation and is made of ferromagnetic material and must be perfectly aligned with the electromagnet's solenoid. We also have the fixture plate on the surface-mounted electromagnetic locks. With it we fix the electromagnet to the door frame. At the bottom, so that it is more visible once installed.



## WHAT DO DORCAS ELECTROMAGNETIC LOCKS HAVE TO OFFER?

### POWER SUPPLY

It allows bi-voltage operation at both 12 and 24 volts, with the advantage that the changeover is automatic.

### SIGNALLING

New modern and innovative lighting on the market to be able to quickly visualise the status of the installation, high intensity LEDs visible from two sides and therefore more effective.

### MONITORING 1

HALL SENSOR. A Hall sensor on the electromagnetic lock detects and indicates whether the door is locked/unlocked. In this case, we get a visual signal from the LED, locked (green) or unlocked (red).

### MONITORING 2

REED SENSOR. A Reed sensor on the electromagnetic lock detects and indicates whether the door is open/closed. In this case, we get an external signal.

### TIMING

There are situations where we need the system to stay unlocked for a few seconds to keep the door open and give the user time to enter/exit. There are also situations in which we need to delay the electromagnet's locking time. For these situations we have a timer, which can go from 0.5 to 25 seconds.

## OPERATION

The electromagnetic locks' operation is reversed, so when the door is closed, the electromagnet and the counterplate are aligned and touching each other. As the electromagnetic lock's electromagnet is powered up, it receives flow of direct current, thereby exerting an attractive force on the counterplate, which sticks to it, which keeps the door closed. The door opens when this magnetic field is interrupted when the electric current is cut and the counterplate detaches from the electromagnet and we can open the door. This system uses direct current, because if they were connected in alternating current they wouldn't work due to the vibrations generated. It is recommended to install them with a stabilised power source.

# 12 24

In this redesign of the DORCAS electromagnetic locks we have optimised the electronic circuit so that it doesn't need to be manipulated when changing from 12 or 24 volts, as this changeover is automatic in all electromagnetic lock models.

## TYOLOGY

**Flush-mounted** electric locks are mortised inside the frame and the leaf of the door thus offering architects and engineers a great solution to their attractiveness and security problems. This type of electromagnetic lock is ideal for sliding doors, although they can be installed on hinged doors without any problem. They can be mounted both on one and two leaves.



Those of the **shearlock** type are suitable for back and forth doors, both single and double-leaf (provided that one of them is fixed). The retention force we achieve is a shear force, as opposed to that with everyday electromagnetic locks, which is a tensile force.

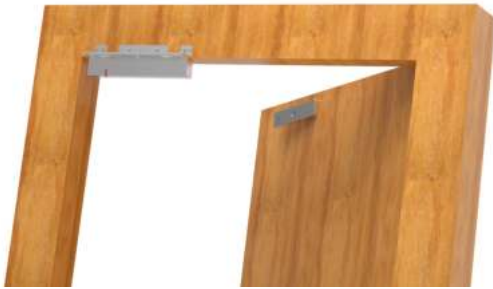


**Surface-mounted** electromagnetic locks are installed on the door frame and the door leaf, making installation much easier as there is no need to make any cut-out in the door. This type of electromagnetic locks are very durable and very low-maintenance.



## MOUNTING OPTIONS

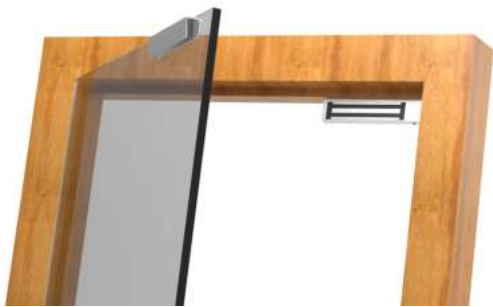
There are occasions when a common installation is not possible, either because of the opening (inwards or outwards) or because of the type of door (wood, glass, etc.). When this happens, it is necessary to use these electromagnetic locks' accessories. These accessories are easy to install and some serve for several electromagnetic lock models.



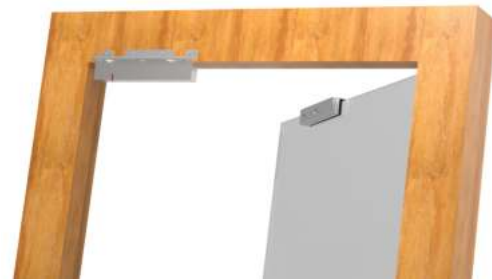
ELECTROMAGNET - ACCESSORY L  
COUNTERPLATE - WITHOUT ANYTHING



ELECTROMAGNET - ACCESSORY L  
COUNTERPLATE - ACCESSORY Z



ELECTROMAGNET - WITHOUT ANYTHING  
COUNTERPLATE - ACCESSORY Z



ELECTROMAGNET - ACCESSORY L  
COUNTERPLATE - ACCESSORY Z



ELECTROMAGNET - WITHOUT ANYTHING  
COUNTERPLATE - ACCESSORY F



ELECTROMAGNET - ACCESSORY L  
COUNTERPLATE - ACCESSORY F

They can be mounted both on one and two leaves.

## ACCESSORIES

At DORCAS we have installation plates available, which are designed for the different types of door, such as, for example, 'L' plates for outward opening doors, with narrow profiles with not enough space to mount the electromagnet, 'Z' plates for installations opening inwards, thus enabling the electromagnet to be mounted on the frame, ensuring that it is positioned on the inside, thus preventing its manipulation. The 'ZL' kit, which incorporates the L plate and the Z plate, is available for purchase.

We have more special accessories, such as the 'C' accessory, with which we obtain a more attractive installation; the 'U' accessory enables installation in glass doors - with this accessory we will have to combine it with the 'ZL' accessory; finally, the 'F' accessory for RF doors - by adding the accessory, we avoid having to drill into the door, which would lead to us losing the certification.

We also have accessories like the **S2500** which allows us to do a surface-mounted installation with a surface-mounted electromagnetic lock (M2500X)



**L300**  
159x39x26 mm Series M300  
Ref: *M-L300*



**Z300**  
130x80xRegulable mm Series M300  
Ref: *M-Z300*



**ZL300**  
159x39x26 mm Series M300  
130x80xRegulable mm  
Ref: *M-ZL300*



**C300**  
159x39x26 mm Series M300  
Ref: *M-C300*



**U300**  
130x46x28 mm Series M300  
Ref: *M-U300*



**F300**  
145x60x12 mm Series M300  
Ref: *M-F300*



**L600**  
250x47x30.5 mm Series M600  
Ref: *M-L600*



**Z600**  
180x101xRegulable mm Series M600  
Ref: *M-Z600*



**ZL600**  
250x47x30.5 mm Series M600  
180x101xRegulable mm  
Ref: *M-ZL600*



**C600**  
250x47x30.5 mm Series M600  
Ref: *M-C600*



**U600**  
180x46x28 mm Series M600  
Ref: *M-U600*



**F600**  
195x60x12 mm Series M600

Ref: *M-F600-----*



**L1200**  
266x60x40 mm Series M1200

Ref: *M-L1200-----*



**Z1200**  
190x110xRegulable mm Series M1200

Ref: *M-Z1200-----*



**ZL1200**  
266x60x40 mm Series M1200  
190x110xRegulable mm

Ref: *M-ZL1200-----*



**C1200**  
266x76.5x38 mm Series M1200

Ref: *M-C1200-----*



**U1200**  
185x70x38.5 mm Series M1200

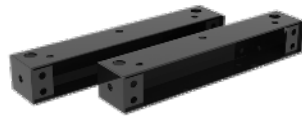
Ref: *M-U1200-----*



**F1200**  
200x85x26 mm Series M1200

Ref: *M-F1200-----*

**SURFACE-MOUNTED CASINGS** →



**S2500**  
185x33x34 mm Series M2500X

Ref: *M-S2500X-----*

**DORCAS**  
ELECTROMAGNETIC LOCK  
**M120 SERIES**

**120 lb**  
**60 kg**

Electromagnetic lock with **retention force of 120lb** (60 kg) intended to be surface-mounted. It includes electromagnetic locking element, counterplate and fixture plate.



**INSTALLATION SPECIFICATIONS**

Type of installation	Surface-mounted
Height	80 mm
Width	38 mm
Depth	25 mm
Retention force	120 lb / 60 kg
Voltage	12 VDC
Consumption (12 VDC)	130 mA
Material	Aluminium



**REGULATION**

Electromagnetic compatibility	Directive 2014/30/EU
According to standards	EN 60730-1:2016
	EN IEC 60730-2-12:2019

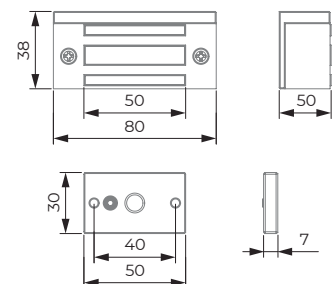
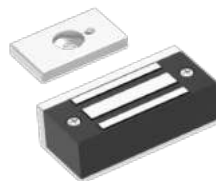


**MODELS**

**M120R**

Installation	Surface-mounted
Power supply	12 VDC
Signalling	No
Monitoring	No
Timing	No

Ref: *M-M120R*-----



START  
ELECTRIC STRIKES  
FACEPLATES  
ELECTROMECHANICAL LOCKS  
MECHANICAL LOCKS  
ELECTROMAGNETIC LOCKS  
DOOR CLOSERS  
DOOR OPERATORS  
ACCESS CONTROL  
ACCESSORIES

# DORCAS

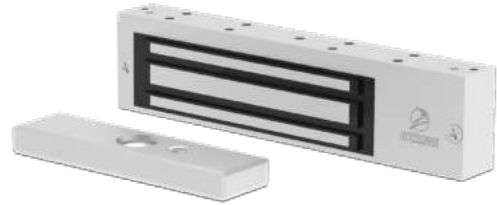
ELECTROMAGNETIC LOCK

## M300 SERIES

**300 lb**  
**180 kg**

Electromagnetic lock with **retention force of 300lb** (180 kg) intended to be either surface-mounted or flush-mounted. It includes electromagnetic locking element, counterplate and fixture plate.

Has an outlet for monitoring the state of the locking and visual signalling (LED).



### INSTALLATION SPECIFICATIONS

Type of installation	Surface-mounted
Height	40 mm
Width	170 mm
Depth	21 mm
Retention force	300 lb / 180 kg
Voltage	12 / 24 VDC
Consumption (12VDC)	310 mA
Consumption (24VDC)	170 mA
Material	Aluminium



### REGULATION

Electromagnetic compatibility	Directive 2014/30/EU
According to standards	EN 60730-1:2016
	EN IEC 60730-2-12:2019

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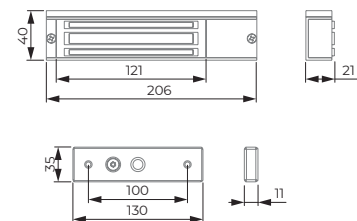


**NEW**  
UNIQUE AND MODERN DESIGN FOR MONITORING

### MODELS

#### M300R

Installation	Surface-mounted
Power supply	12/24 VDC
Signalling	No
Monitoring	No
Timing	No

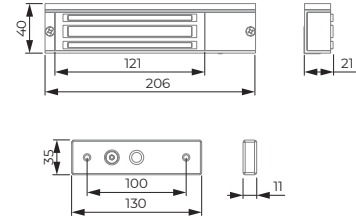


Ref: *M-M300R*-----



**M300R LS**

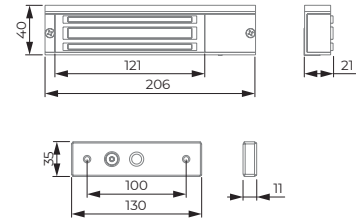
- Installation — Surface-mounted
- Power supply — 12/24 VDC
- Signalling — Yes
- Monitoring — Yes
- Timing — No



Ref: *M-M300RLS*-----

**M300R L2S**

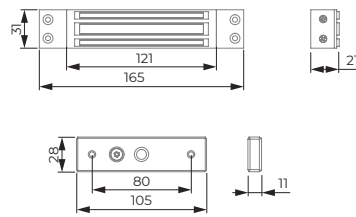
- Installation — Surface-mounted
- Power supply — 12/24 VDC
- Signalling — Yes
- Monitoring — Yes (x2)
- Timing — No



Ref: *M-M300RL2S*-----

**M300M**

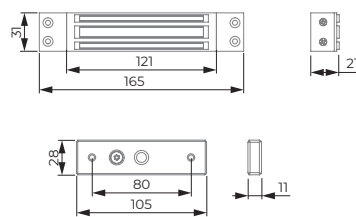
- Installation — Flush-mounted
- Power supply — 12/24 VDC
- Signalling — No
- Monitoring — No
- Timing — No



Ref: *M-M300M*-----

**M300M S**

- Installation — Flush-mounted
- Power supply — 12/24 VDC
- Signalling — No
- Monitoring — Yes
- Timing — No



Ref: *M-M300MS*-----

# DORCAS

ELECTROMAGNETIC LOCK

## M600 SERIES

**600 lb**  
**280 kg**

Electromagnetic lock with **retention force of 600lb** (280 kg) intended to be surface-mounted. It includes electromagnetic locking element, counterplate and fixture plate.

Has an outlet for monitoring the state of the locking and visual signalling (LED).



### INSTALLATION SPECIFICATIONS

Type of installation	Surface-mounted
Height	53 mm
Width	250 mm
Depth	27 mm
Retention force	600 lb / 280 kg
Voltage	12 / 24 VDC
Consumption (12 VDC)	400 mA
Consumption (24VDC)	200 mA
Material	Aluminium



### REGULATION

Electromagnetic compatibility	Directive 2014/30/EU
According to standards	EN 60730-1:2016
	EN IEC 60730-2-12:2019

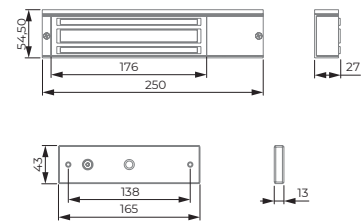
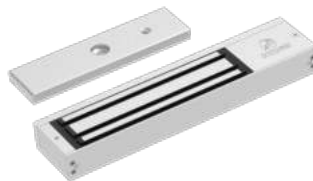
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### MODELS

#### M600R

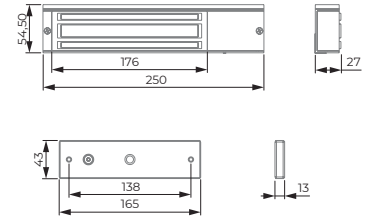
Installation	Surface-mounted
Power supply	12/24 VDC
Signalling	No
Monitoring	No
Timing	No



Ref: *M-M600R*-----

**M600R LS**

- Installation — Surface-mounted
- Power supply — 12/24 VDC
- Signalling — Yes
- Monitoring — Yes
- Timing — No

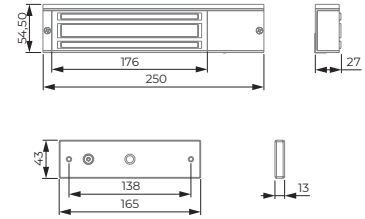
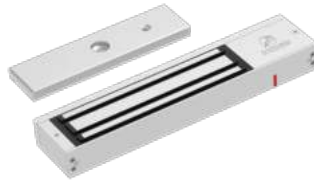


Ref: *M-M600RLS-----*

Ref. Black: *M-M600RLS-----*

**M600R TLS** TIME DELAY

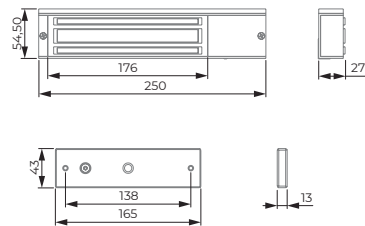
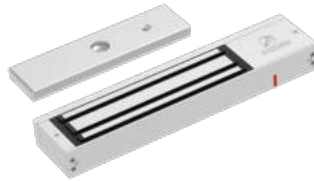
- Installation — Surface-mounted
- Power supply — 12/24 VDC
- Signalling — Yes
- Monitoring — Yes
- Timing — Yes



Ref: *M-M600RTLs-----*

**M600R L2S**

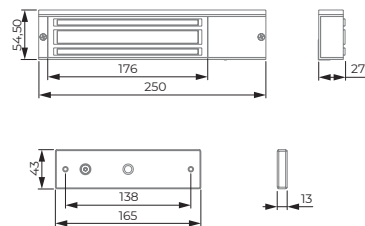
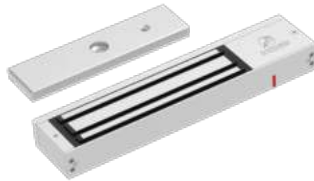
- Installation — Surface-mounted
- Power supply — 12/24 VDC
- Signalling — Yes
- Monitoring — Yes (x2)
- Timing — No



Ref: *M-M600RL2S-----*

**M600R TL2S** TIME DELAY

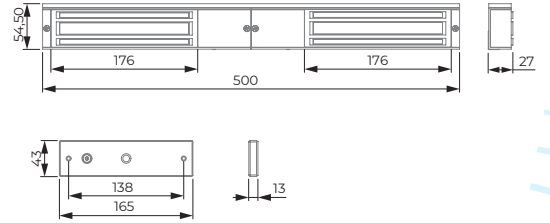
- Installation — Surface-mounted
- Power supply — 12/24 VDC
- Signalling — Yes
- Monitoring — Yes (x2)
- Timing — Yes



Ref: *M-M600RTL2S-----*

**M600D RLS**

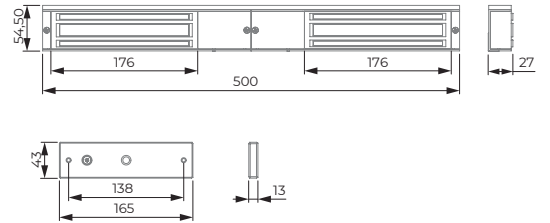
- Installation ————— Surface-mounted
- Power supply ————— 12/24 VDC
- Signalling ————— Yes
- Monitoring ————— Yes
- Timing ————— No



Ref: *M-M600DRLS-----*

**M600D RTL5** TIME DELAY

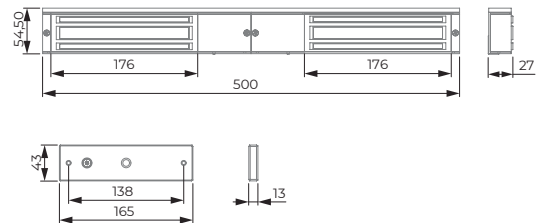
- Installation ————— Surface-mounted
- Power supply ————— 12/24 VDC
- Signalling ————— Yes
- Monitoring ————— Yes
- Timing ————— Yes



Ref: *M-M600DRTL5-----*

**M600D RL2S**

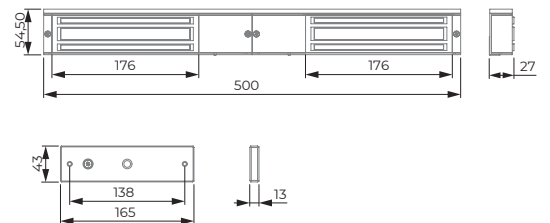
- Installation ————— Surface-mounted
- Power supply ————— 12/24 VDC
- Signalling ————— Yes
- Monitoring ————— Yes (x2)
- Timing ————— No



Ref: *M-M600DRL2S-----*

**M600D RTL2S** TIME DELAY

- Installation ————— Surface-mounted
- Power supply ————— 12/24 VDC
- Signalling ————— Yes
- Monitoring ————— Yes
- Timing ————— Yes

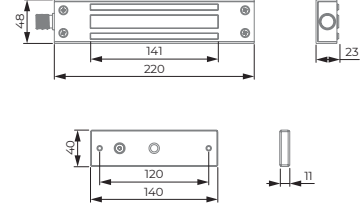
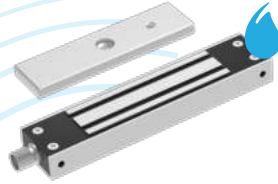


Ref: *M-M600DRTL2S-----*

**M600W RS** WATERPROOF

- Installation — Surface-mounted
- Power supply — 12/24 VDC
- Signalling — No
- Monitoring — Yes
- Timing — No

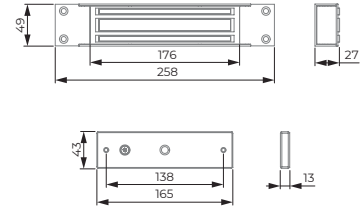
Ref: *M-M600WRS*-----



**M600M**

- Installation — Flush-mounted
- Power supply — 12/24 VDC
- Signalling — No
- Monitoring — No
- Timing — No

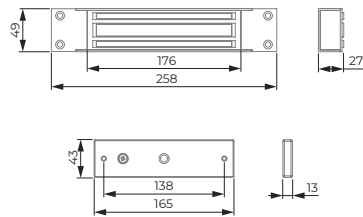
Ref: *M-M600M*-----



**M600M S**

- Installation — Flush-mounted
- Power supply — 12/24 VDC
- Signalling — No
- Monitoring — Yes
- Timing — No

Ref: *M-M600MS*-----



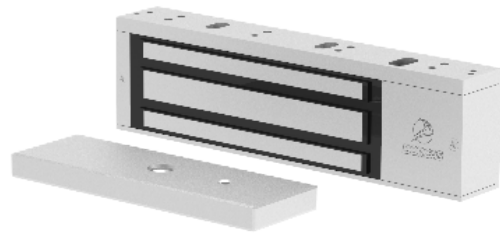
# DORCAS

ELECTROMAGNETIC LOCK

## M1200 SERIES

**1200 lb**  
**500 kg**

Electromagnetic lock with **retention force of 1200lb** (500 kg) intended to be surface-mounted. It includes electromagnetic locking element, counterplate and fixture plate.



Has an outlet for monitoring the state of the locking and visual signalling (LED).

### INSTALLATION SPECIFICATIONS

Type of installation	Surface-mounted
Height	73 mm
Width	266 mm
Depth	40 mm
Retention force	1200 lb / 500 kg
Voltage	12 / 24 VDC
Consumption (12 VDC)	400 mA
Consumption (24VDC)	200 mA
Material	Aluminium



### REGULATION

Electromagnetic compatibility	Directive 2014/30/EU
According to standards	EN 60730-1:2016
	EN IEC 60730-2-12:2019

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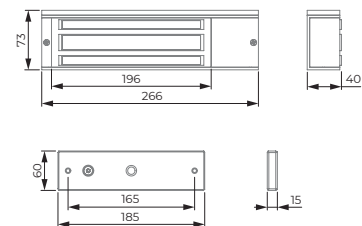
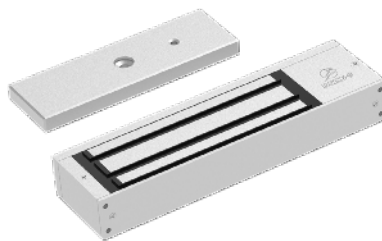


**NEW**  
UNIQUE AND MODERN DESIGN FOR MONITORING

### MODELS

#### M1200R

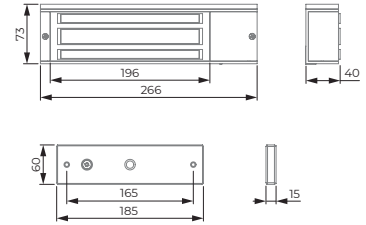
Installation	Surface-mounted
Power supply	12/24 VDC
Signalling	No
Monitoring	No
Timing	No



Ref: *M-M1200R*-----

**M1200R LS**

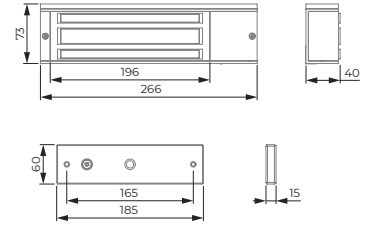
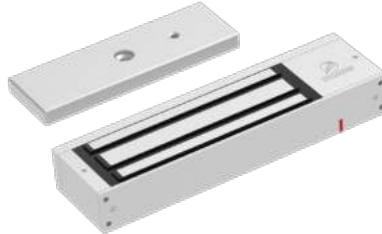
- Installation  Surface-mounted
- Power supply  12/24 VDC
- Signalling  Yes
- Monitoring  Yes
- Timing  No



Ref: *M-M1200RLS-----*  
 Ref. Black: *M-M1200RLS-----*

**M1200R TLS** TIME DELAY

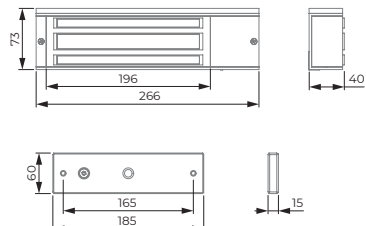
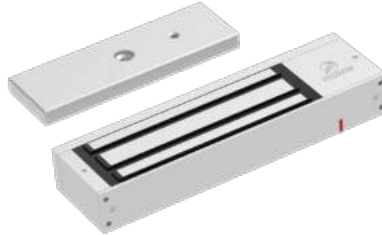
- Installation  Surface-mounted
- Power supply  12/24 VDC
- Signalling  Yes
- Monitoring  Yes
- Timing  Yes



Ref: *M-M1200RTLS-----*

**M1200R L2S**

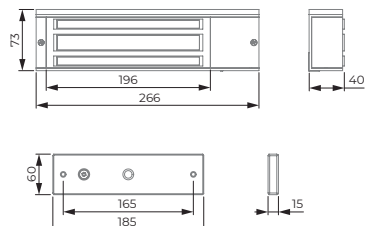
- Installation  Surface-mounted
- Power supply  12/24 VDC
- Signalling  Yes
- Monitoring  Yes (x2)
- Timing  No



Ref: *M-M1200RL2S-----*

**M1200R TL2S** TIME DELAY

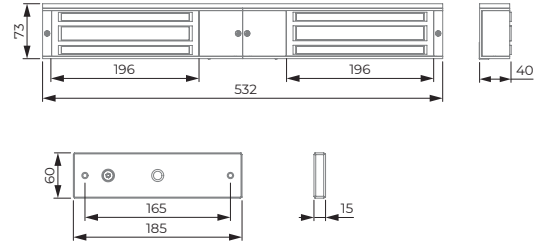
- Installation  Surface-mounted
- Power supply  12/24 VDC
- Signalling  Yes
- Monitoring  Yes (x2)
- Timing  Yes



Ref: *M-M1200RTL2S-----*

**M1200D RLS**

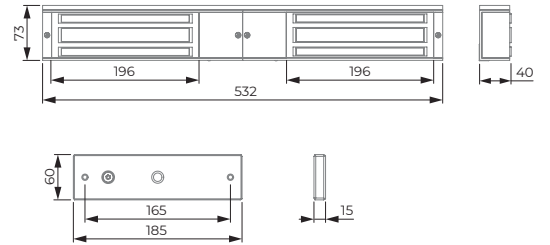
- Installation ————— Surface-mounted
- Power supply ————— 12/24 VDC
- Signalling ————— Yes
- Monitoring ————— Yes
- Timing ————— No



Ref: *M-M1200DRLS-----*

**M1200D RL2S**

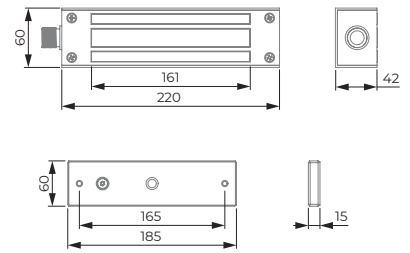
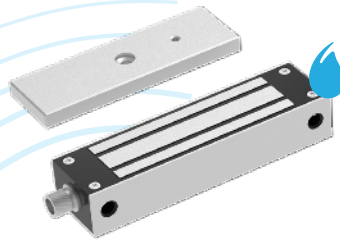
- Installation ————— Surface-mounted
- Power supply ————— 12/24 VDC
- Signalling ————— Yes
- Monitoring ————— Yes
- Timing ————— No



Ref: *M-M1200DRL2S-----*

**M1200W RS WATERPROOF**

- Installation ————— Surface-mounted
- Power supply ————— 12/24 VDC
- Signalling ————— No
- Monitoring ————— Yes
- Timing ————— No



Ref: *M-M1200WRS-----*



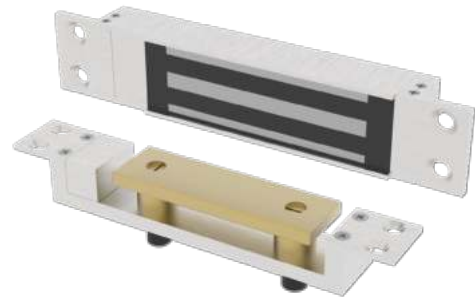


# DORCAS SHEARLOCK

## M1500X SERIES

**1500 lb**  
**750 kg**

Electromagnetic lock **for back and forth doors** with **retention force of 1500lb** (750 kg) of shear force. Designed to be flush-mounted, it includes electromagnetic locking element, counterplate and fixture plate.



### INSTALLATION SPECIFICATIONS

Type of installation	Flush-mounted
Height	166 mm
Width	31 mm
Depth	21 mm
Retention force	1500 lb / 750 kg
Voltage	12 / 24 VDC
Consumption (12 VDC)	1200 mA
Consumption (24VDC)	600 mA
Material	Aluminium

### REGULATION

Electromagnetic compatibility	Directive 2014/30/EU
According to standards	EN 60730-1:2016
	EN IEC 60730-2-12:2019

DORCAS - CATALOGUE 2023

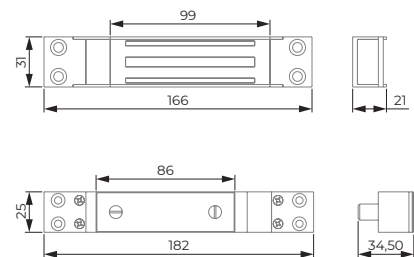


### MODELS

#### M1500X TIME DELAY

Installation	Flush-mounted
Power supply	12/24 VDC
Signalling	Yes (External)
Monitoring	Yes (x2)
Timing	Yes

Ref: *M-M1500X*-----

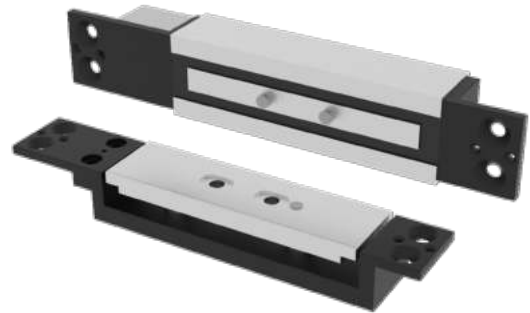


# DORCAS SHEARLOCK

## M2500X SERIES

**2500 lb**  
**1200 kg**

Electromagnetic lock **for back and forth doors** with **retention force of 2500lb** (1200 kg) of shear force. Designed to be flush-mounted, it includes electromagnetic locking element, counterplate and fixture plate.



### INSTALLATION SPECIFICATIONS

Type of installation	Flush-mounted
Height	182 mm
Width	30 mm
Depth	22.5 mm
Retention force	2500 lb / 1200 kg
Voltage	12 / 24 VDC
Consumption (12 VDC)	900 mA
Consumption (24VDC)	220 mA
Material	Aluminium



### REGULATION

Electromagnetic compatibility	Directive 2014/30/EU
According to standards	EN 60730-1:2016
	EN IEC 60730-2-12:2019

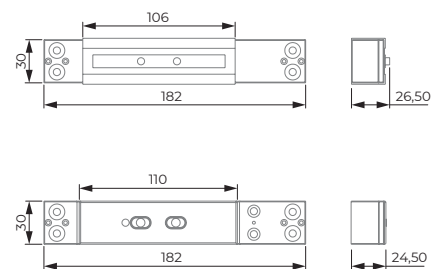


### MODELS

#### M2500X

Installation	Flush-mounted
Power supply	12/24 VDC
Signalling	Yes (External)
Monitoring	Yes
Timing	Yes

Ref: *M-M2500X-.....*





# DORCAS

## PROFAST

PROFILE ELECTROMAGNETIC LOCK



Quick and convenient electromagnetic lock system with **built-in pull handle**. Profast is a simple, attractive solution designed for metal, wood or glass doors. With modern finish, this solution is suitable for offices, shops, public buildings, etc.

### INSTALLATION SPECIFICATIONS

Type of installation	—————	Surface-mounted
Height	—————	400 / 2500 mm
Retention force	—————	300 kg / 600 kg
Voltage	—————	12 / 24 VDC
Voltage Selection	—————	Manual
Consumption	—————	13 W
Material	—————	Aluminium
Suitable for exteriors	—————	Yes
IP protection	—————	42



### REGULATION

Electromagnetic compatibility	Directive 2014/30/EU
According to standards	EN 60730-1:2016
	EN IEC 60730-2-12:2019
DAS	NFS 61-937

DORCAS - CATALOGUE 2023



#### PULL HANDLE

The Profast pull handle, where the counterplates are housed, are installed in the door leaf.



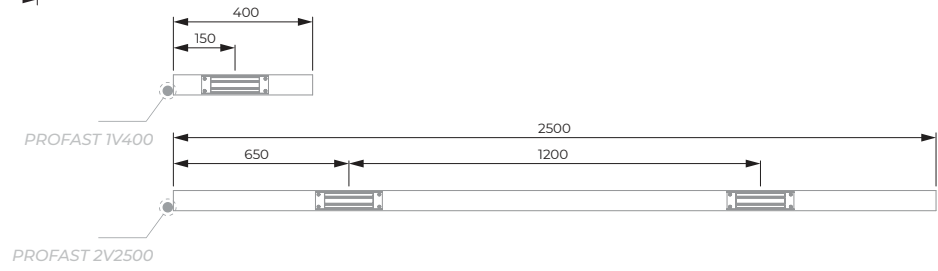
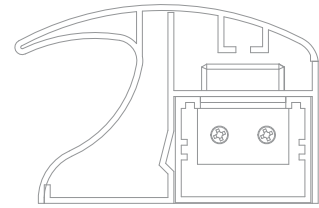
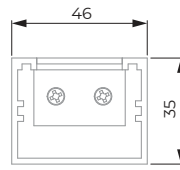
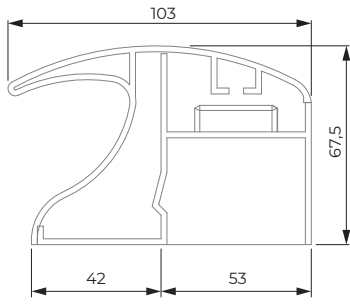
#### PROFILE

The profile, where the counterplates are housed, is installed in the door frame.



#### TOTAL PRECISION

Counterplate depth-adjustable for perfect alignment and a quicker and more simple installation.



**MODELS**

**PROFAST 1V400**



- Power supply — 12 / 24 VDC
- Length — 400 mm
- Retention — 300 kg
- Consumption — 1100 mA (12 V)  
550 mA (24 V)

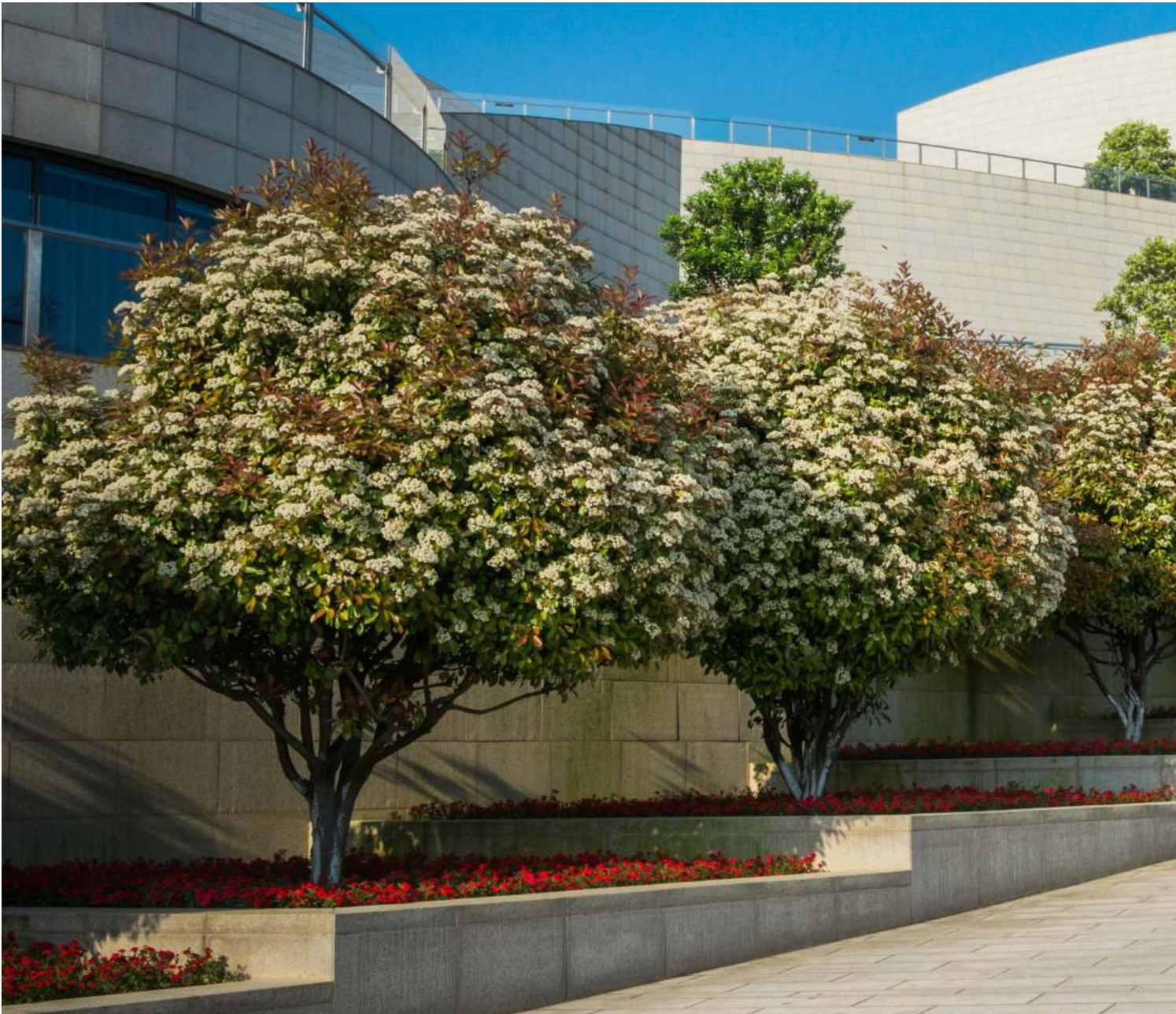
**PROFAST 2V2500**



- Power supply — 12 / 24 VDC
- Length — 2500 mm
- Retention — 2 x 300 kg
- Consumption — 1100 mA (12 V)  
550 mA (24 V)

**RT55** WALL-MOUNTED, 55KG OF RETENTION.....PAGE 248

**NEW RS55** FLOOR-MOUNTED, 55KG OF RETENTION.....PAGE 249





**DORCAS**  
**MAGNETIC DOOR HOLDERS**

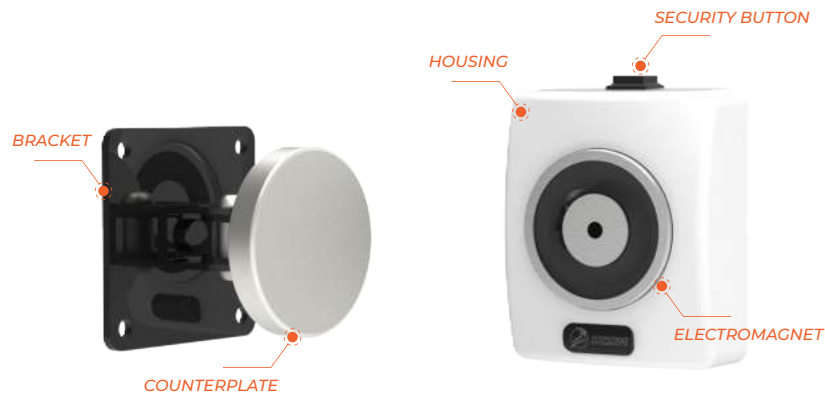


## PARTS OF A MAGNETIC DOOR HOLDER

A magnetic door holder has two separate parts:

The electromagnet's housing is the largest part of the set. It carries an electromagnet that generates a magnetic field strong enough to hold the counterplate in place; its operation is reversed. The magnetic door holder has an unlocking button, is manual and serves to be able to close the fire door without having to activate a fire alarm.

The counterplate is the steel part attracted by the electromagnet. It is fixed to a bracket to fix it onto the door leaf.

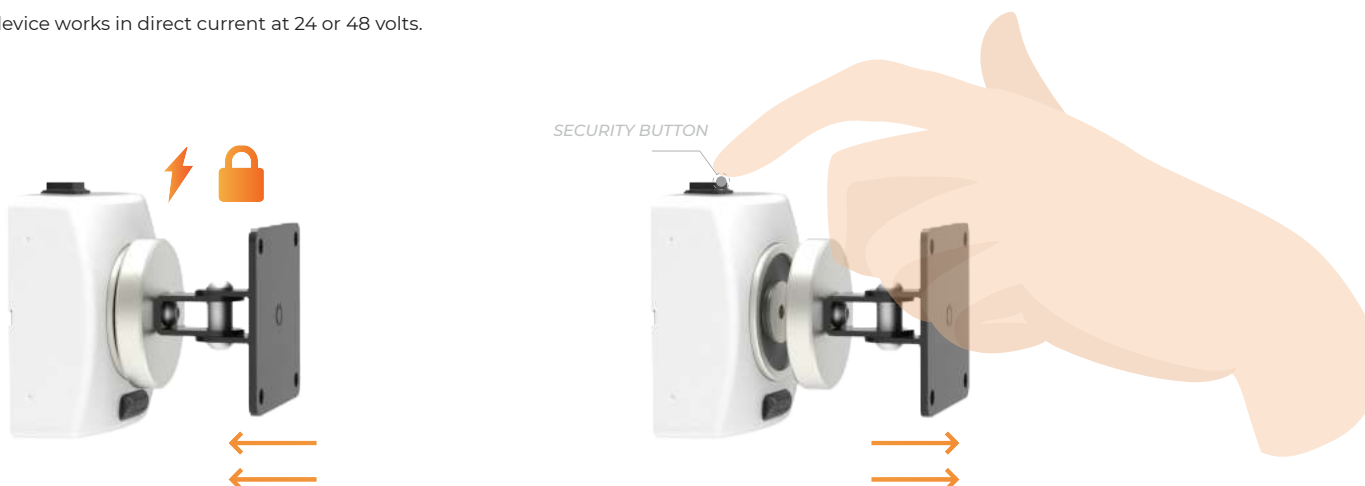


## OPERATION

Magnetic door holders are used in fire doors in order to keep the door open to facilitate transit through the building. In a fire emergency, controlled by a smoke control or fire detection unit, the magnetic door holder releases the fire door when the power is cut and it closes automatically to prevent smoke or fire spreading through the building. The operation is reversed, offering two ways of closing the door:

- AUTOMATIC CLOSING. By cutting the electric current, the door will close automatically.
  - MANUAL CLOSING. By pressing the red button on its top section the door will close instantly.
- This prevents fire getting through.

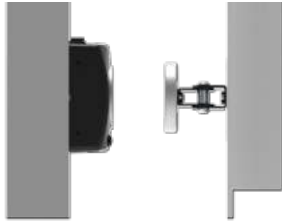
This device works in direct current at 24 or 48 volts.





# MOUNTING OPTIONS

The magnetic door holder must be **mounted on the wall**, the counterplate is installed in the door leaf (placing it at least 150 mm away from the door's top or bottom closing edge). Both parts must always be installed. For the installation of the magnetic door holder we have two options: to fix it directly to the wall or add the RT/SR220 bracket - the magnetic door holder will be fixed to the bracket and the bracket to the wall.



INSTALLATION WITH BRACKET RT/SR220

The magnetic door holder must be **mounted on the floor**, the counterplate is installed in the door leaf (placing it at least 150 mm away from the door's top or bottom closing edge). All parts must always be installed. Another option is to place a wall magnetic door holder with bracket RT/SR220 fixed to the floor.



INSTALLATION WITH BRACKET RT/SR220

## ACCESSORIES

DORCAS has a series of accessories to complement the installation, including two types of counterplates, one fixed and the other articulated, allowing perfect alignment with the magnetic door holder, both fixed onto the door leaf. We also have a bracket onto which the magnetic door holder is fixed. With this bracket we separate the magnetic door holder from the door leaf. It also enables us to fix the magnetic door holder to the floor or ceiling.



COUNTERPLATES



**RT55 PF**  
65x65x28 mm

Ref: *M-RT55/PF-----*

RT55  
RS55



**RT55 PA**  
65x65x53 mm

Ref: *M-RT55/PA-----*

RT55  
RS55



**RT SR220**

Regulable 60x62 mm

RT55

Ref: *M-SR220-----*

# DORCAS

## RT55

WALL-MOUNTED

**120 lb**  
**>55 kg**

Magnetic door holder for wall installation, with a **retaining force of 55 kg**. Product for fire doors. The device incorporates a manual unlocking button.

Compatible with RT/SR220 for floor installation.

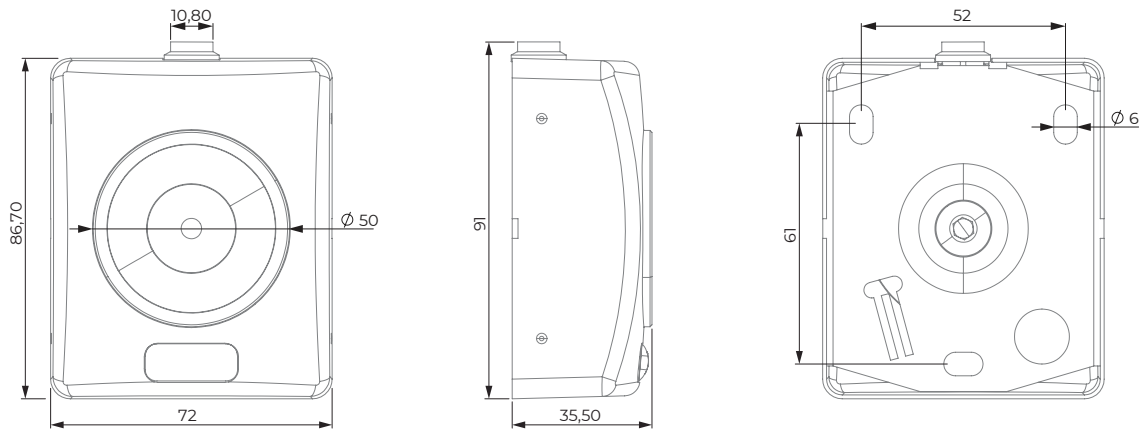


### INSTALLATION SPECIFICATIONS

Type of installation	Surface-mounted
Height	91 mm
Width	72 mm
Depth	35.50 mm
Retention force	120 lb / 55 kg
Voltage	24VDC
Consumption (24 VDC)	70 mA
Valid for RF doors	Yes

### FUNCTIONS

Manual unlocking	Yes
Operation	Fail safe
Varistor	Yes



### FINISHES



SILVER-PLATED

WHITE

BLACK

### REGULATION

Certificate	CE EN1155
Fire certificate	NFS 61937
Building hardware	EN 1155:1997+A1:2002+AC:2006

# DORCAS

FLOOR-MOUNTED

## RS55

**120 lb**  
**>55 kg**

Electromagnetic magnetic door holder for floor installation, with a **retaining force of 55 kg**. Manufactured entirely in steel for intensive use. The device incorporates a manual unlocking button.



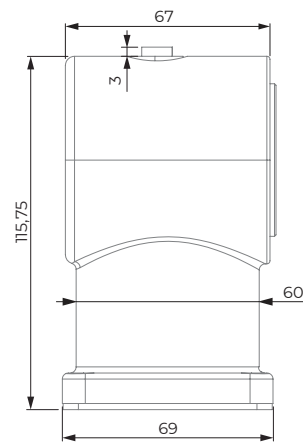
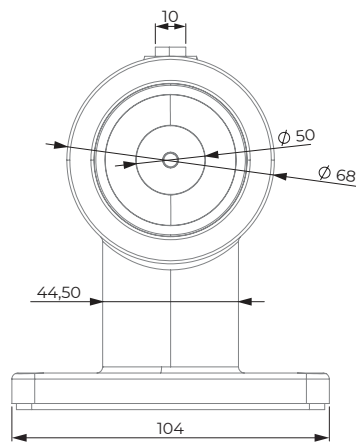
### INSTALLATION SPECIFICATIONS

Type of installation	Surface-mounted
Height	118.75 mm
Width	104 mm
Depth	69 mm
Retention force	120 lb / 55 kg
Voltage	24 VDC
Consumption (24 VDC)	60 mA
Valid for RF doors	Yes



### FUNCTIONS

Manual unlocking	Yes
Operation	Fail safe
Varistor	Yes



### FINISHES



BLACK

WHITE

### REGULATION

Certificate	CE EN1155
Fire certificate	NFS 61937
Building hardware	EN 1155:1997+A1:2002+AC:2006

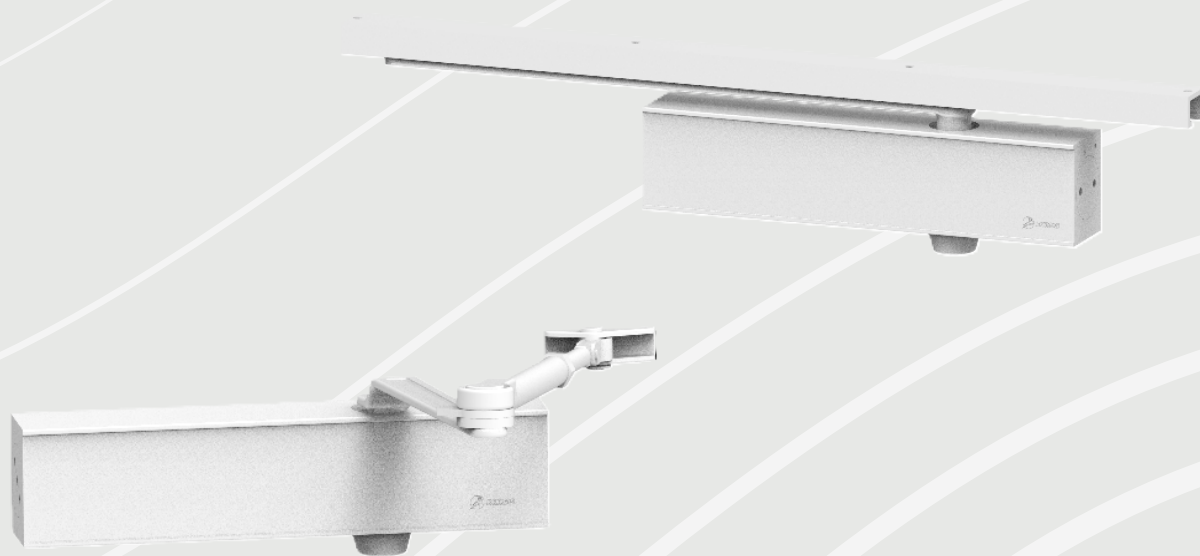
# DOOR CLOSERS

WHAT IS A DOOR CLOSER?





**A door closer is a mechanical device that allows doors of different types to execute a controlled closing movement. They are security features that are becoming increasingly widespread.**



# TYOLOGY

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## OVERHEAD DOOR CLOSERS

This type of door closer is widely used, especially in business premises and offices. They offer the perfect technical solution for a wide variety of occasions, being quick and easy to install. There are two types:



### ARTICULATED ARM

These are the most common. They can take a lot of weight depending on the model. It's possible to incorporate a magnetic door holder, which allows us to keep the door open at the point we set it at.

STANDARD ASSEMBLY  
BODY IN LEAF - PULL SIDE



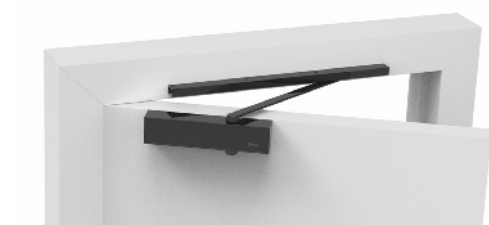
REVERSED ASSEMBLY  
BODY IN FRAME - PUSH SIDE



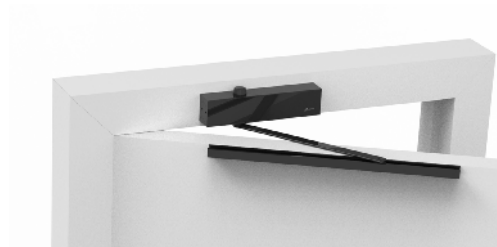
### SLIDING ARM

They take up less room than the articulated arm. It is sometimes possible to install the articulated arm on the door, on the other hand the sliding arm door closer can always be installed on any type of door.

STANDARD ASSEMBLY  
BODY IN LEAF - PULL SIDE



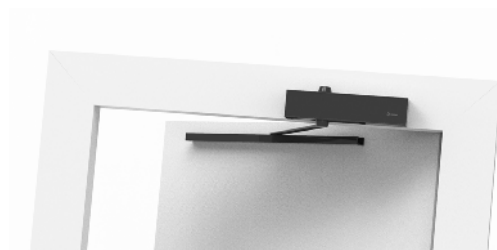
REVERSED ASSEMBLY  
BODY IN FRAME - PULL SIDE



STANDARD ASSEMBLY  
BODY IN LEAF - PUSH SIDE



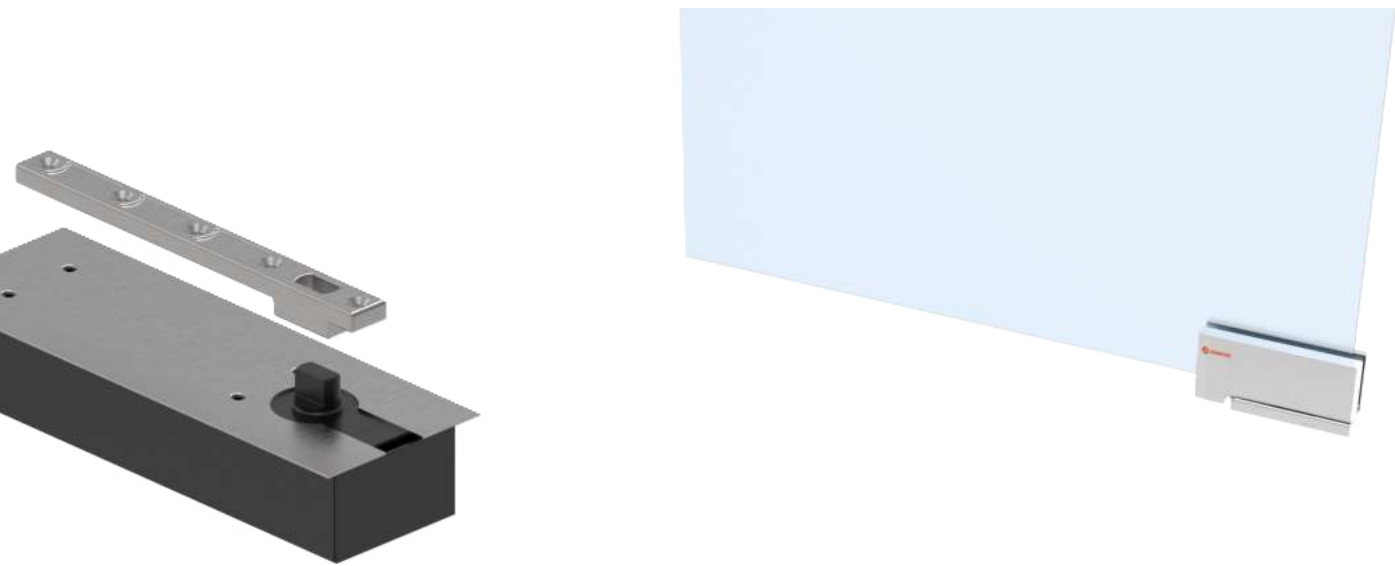
REVERSED ASSEMBLY  
BODY IN FRAME - PUSH SIDE



## FLOOR-MOUNTED DOOR CLOSER

The floor-mounted door closer has been designed to be embedded in the floor and go unnoticed. It can be used in wood, glass or metal doors, although it is most commonly installed in glass doors. One of its key features is its load capacity, as certain of its models can be installed in doors up to 300 kg in weight.

Floor door closers provide convenience and versatility to all the usual back and forth swing doors on the market.



## ARM-OPERATED DOOR CLOSERS

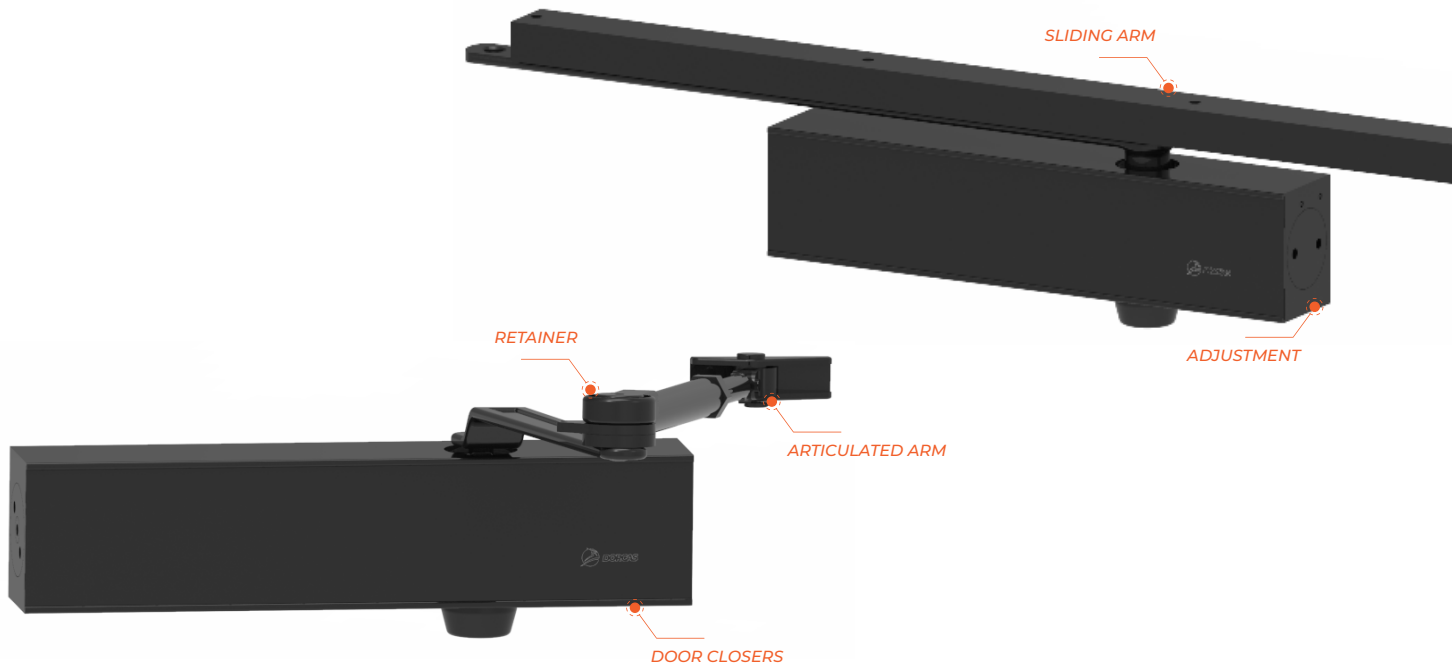
This type of door closers also provide automatic smooth closing of the door. It is surface-mounted, not requiring to lower the door or frame. A single unit is placed per door on the hinges part, and they need the door to be hinged.

They enable easy adjustment of the speed and closing power, to avoid door slamming.



## PARTS OF A DOOR CLOSER

A door closer in its articulated arm or sliding arm version share the body of the door closer, where it has the mechanism, the adjustment and the transmission up to the arm or guide.



DORCAS - CATALOGUE 2023

## TYPES OF MECHANISM

### RACK AND PINION

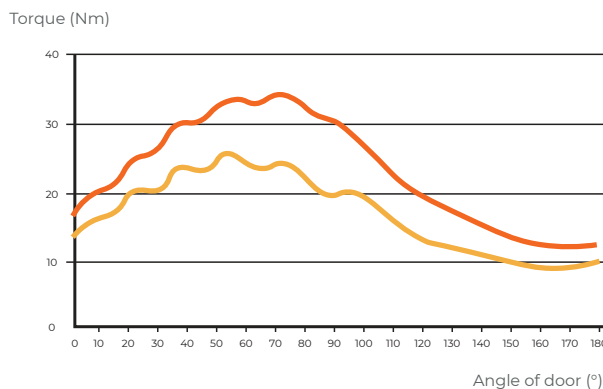
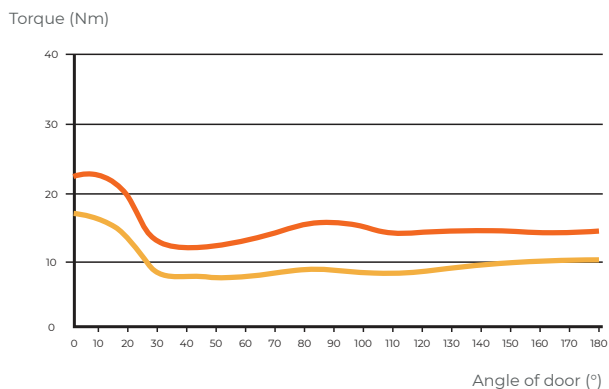


The door closer with pinion mechanism guarantees total control of the door. This type of mechanism is recommended for very wide doors with air draft problems.

### CAM



The cam mechanism ensures the door opens easily and reliably. This type of mechanism is recommended for installations in which the end users are children, elderly people or people with some kind of disability, as the door can be opened without the need to apply much force.

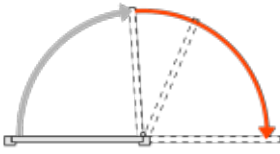


Moment of opening ■  
 Moment of closing ■



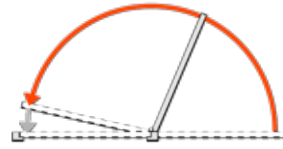
# REGULATIONS AVAILABLE

## BACKCHECK (BC)



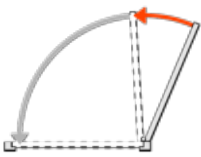
During the opening operation: at the end of travel the opening speed slows in order to avoid accidental shocks.

## CLOSING SPEED (S)



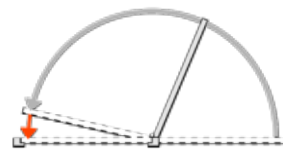
During the closing operation: this is the speed adjustment during the main closing stage.

## DELAY ACTION (DC)



During the closing operation: this is the speed adjustment during the main closing stage. From 90° to 65°

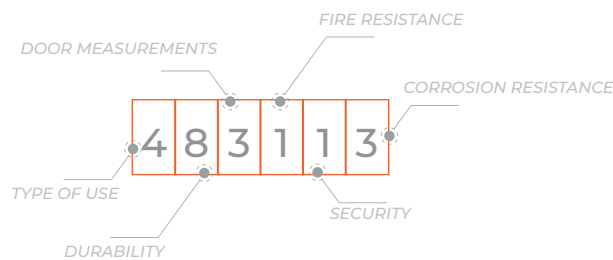
## LATCHING (L)



During the closing operation: this is the speed adjustment during the main closing stage. From 20° to 0°

# STANDARDS AND REGULATION

In the case of the door closer, the standardisation committee has drawn up a specific product standard, which means that an CE Marking exists for this product, mandatory if said product is placed on fire doors.



### TYPE OF USE

- 3 = 105° opening
- 4 = 180° opening

### DURABILITY

- 8 = Number of cycles (500,000)

### DOOR MEASUREMENTS (WIDTH AND WEIGHT)

- 1 = 750 mm - 20 kg
- 2 = 850 mm - 40 kg
- 3 = 950 mm - 60 kg
- 4 = 1100 mm - 80 kg
- 5 = 1250 mm - 100 kg
- 6 = 1400 mm - 120 kg

### FIRE RESISTANCE

- 0 = Not suitable for fire doors
- 1 = Suitable for fire doors

### SECURITY

- 1 = All door closers have to meet basic security requirements.

### CORROSION RESISTANT

- 0 = Not defined
- 1 = Low resistance
- 2 = Moderate resistance
- 3 = High resistance
- 4 = Very high resistance

<b>DC1</b>	FOR STANDARD DOORS.....	PAGE 258
<b>DC2</b>	OPTIMAL FOR REFITTING.....	PAGE 259
<b>DC3</b>	FOR INTERIOR DOORS.....	PAGE 260
<b>DC4</b>	FOR BUSINESSES.....	PAGE 261
<b>DC6</b>	FOR RESIDENTIAL AND BUSINESSES DOORS.....	PAGE 262
<b>NEW DC8</b>	EASIER OPENING.....	PAGE 263
<b>DC7</b>	HIDDEN.....	PAGE 264
<b>NEW DC9</b>	HIDDEN FOR EASIER OPENING.....	PAGE 265
<b>NEW DP1</b>	EASY TO INSTALL.....	PAGE 266





# DORCAS

OVERHEAD

## DC1

EN 2-4

This is the **most economical solution** for standard doors. It has an adjustable closure control in two phases for soft closing and its finish offers optimum anti-corrosion protection.

Valid for aluminium, steel, wood and PVC doors.



4	8	3	1	1	3
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EN 1154:1996 + A1:2002-12 + AC:2006-06

### INSTALLATION SPECIFICATIONS

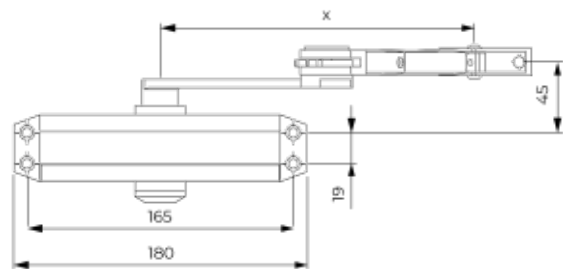
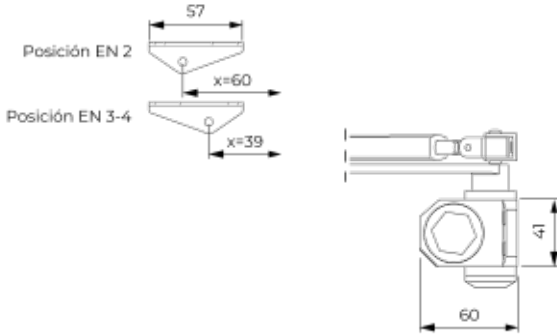
Type of installation	Surface-mounted
Reversible	Yes
Height	45 mm
Width	180 mm
Depth	60 mm
Closing force	EN 2-4
Door weight	25-85 kg
Door width	850-1100 mm
Tested cycles	500,000
Valid for RF doors	Yes

### FUNCTIONS

Backcheck	No
Delay action	No
Closing speed (S)	Yes
Latching (L)	Yes
Articulated arm	Yes
Sliding arm (SA)	No
Retention (H)	Optional

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#### Force adjustable by position.



### FINISHES



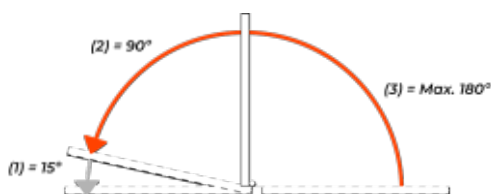
WHITE

SILVER

BLACK

### MODELS

- DC1** ARTICULATED ARM
- DC1 H** ARTICULATED ARM + RETENTION



(1)= Final impact (L)  
 (2)= Closing speed (S)  
 (3)= Maximum opening



# DORCAS

OVERHEAD

## DC2

EN 2-4

Highly versatile model used for all types of standard doors. It is easy and quick to install and its dimensions make it **optimal for the refitting** of door closers already installed. Depending on the type of installation it covers a wide range of functions.



### INSTALLATION SPECIFICATIONS

Type of installation	Surface-mounted
Reversible	Yes
Height	47 mm
Width	220 mm
Depth	50 mm
Closing force	EN 2-4
Door weight	25-85 kg
Door width	850-1100 mm
Tested cycles	500,000
Valid for RF doors	Yes



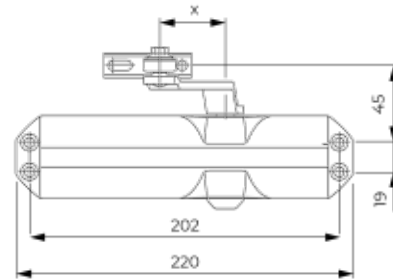
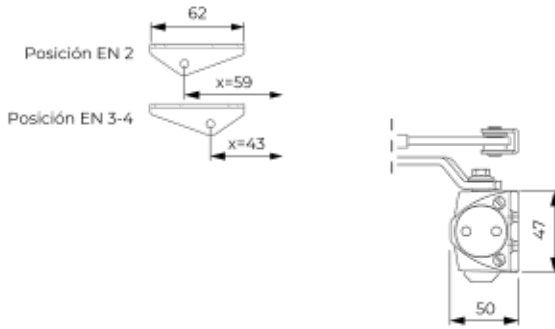
4	8	3	1	1	3
---	---	---	---	---	---

EN 1154:1996 + A1:2002-12 + AC:2006-06

### FUNCTIONS

Backcheck	No
Delay action	No
Closing speed (S)	Yes
Latching (L)	Yes
Articulated arm	Yes
Sliding arm (SA)	No
Retention (H)	Optional

Force adjustable by position.



### FINISHES



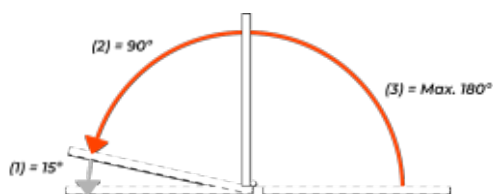
WHITE

SILVER

BLACK

### MODELS

- DC2** ARTICULATED ARM
- DC2 H** ARTICULATED ARM + RETENTION



(1)= Final impact (L)  
 (2)= Closing speed (S)  
 (3) = Maximum opening



# DORCAS

OVERHEAD

## DC3

**EN 2-5**

Very easy to install. Its thin and compact design ensures easy and trouble-free installation. Fully adjustable closing forces and speeds. In normal and sliding arm version.



4 8 3 1 1 3

EN 1154:1996 + A1:2002-12 + AC:2006-06

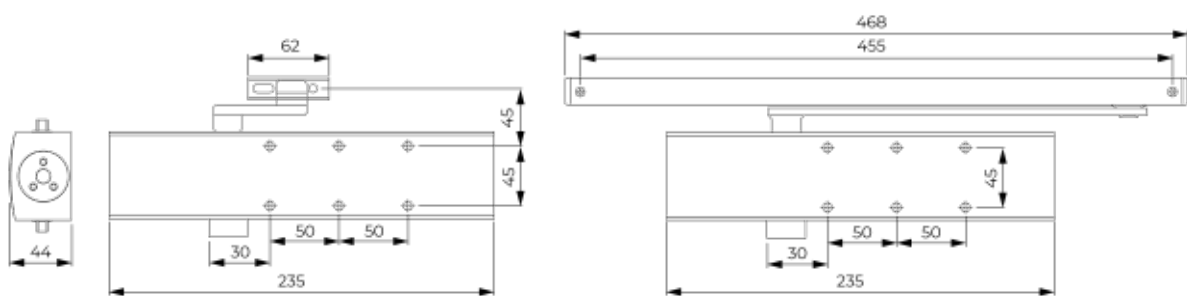
### INSTALLATION SPECIFICATIONS

Type of installation	Surface-mounted
Reversible	Yes
Height	62 mm
Width	235 mm
Depth	44 mm
Closing force	EN 2-5
Door weight	25-100 kg
Door width	850-1250 mm
Tested cycles	500,000
Valid for RF doors	Yes

Force adjustable by adjustment.

### FUNCTIONS

Backcheck	No
Delay action	No
Closing speed (S)	Yes
Latching (L)	Yes
Articulated arm	Optional
Sliding arm (SA)	Optional
Retention (H)	Optional



### FINISHES



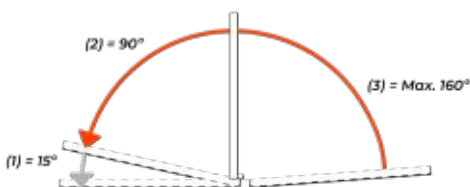
WHITE

SILVER

BLACK

### MODELS

- DC3** ARTICULATED ARM
- DC3 H** ARTICULATED ARM + RETENTION
- DC3 SA** SLIDING ARM
- DC3 SA H** SLIDING ARM + RETENTION



(1)= Final impact (L)  
(2)= Closing speed (S)  
(3) = Maximum opening



# DORCAS

OVERHEAD

## DC4

EN 3-6

Offers a wide range of uses for doors, adapting up to 120 kg. It is the **ideal solution for businesses** and interior doors of an average-large size. Optimum adaptation of the closing speed with final impact thanks to two regulating valves



4	8	6	1	1	3
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EN 1154:1996 + A1:2002-12 + AC:2006-06

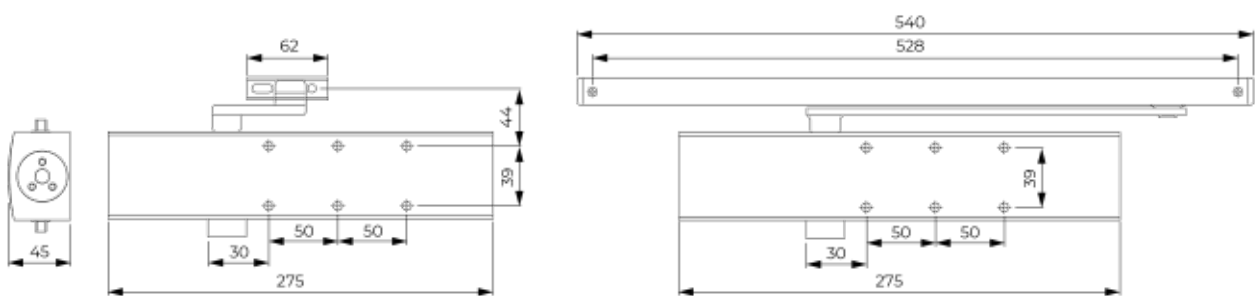
### INSTALLATION SPECIFICATIONS

Type of installation	Surface-mounted
Reversible	Yes
Height	62 mm
Width	275 mm
Depth	45 mm
Closing force	EN 3-6
Door weight	60-120 kg
Door width	950-1450 mm
Tested cycles	500,000
Valid for RF doors	Yes

Force adjustable by adjustment.

### FUNCTIONS

Backcheck	Yes
Delay action	Yes
Closing speed (S)	Yes
Latching (L)	Yes
Articulated arm	Optional
Sliding arm (SA)	Optional
Retention (H)	Optional

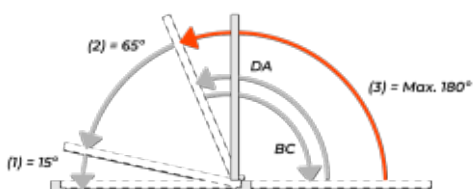


### FINISHES



### MODELS

- DC4** ARTICULATED ARM
- DC4 H** ARTICULATED ARM + RETENTION
- DC4 SA** SLIDING ARM
- DC4 SA H** SLIDING ARM + RETENTION



(1)= Final impact (L)  
 (2)= Closing speed (S)  
 (3)= Maximum opening

Optionally the BC and DA speeds can be adjusted (>65°)



# DORCAS

OVERHEAD

## DC6

EN 2-4

Classic design compact model with closing speed fully adjustable by means of three regulating valves and adjustable final impact. This is a model for use in **residential and commercial doors** quick and easy to install and adjust.



4 8 3 1 1 3

EN 1154:1996 + A1:2002-12 + AC:2006-06

### INSTALLATION SPECIFICATIONS

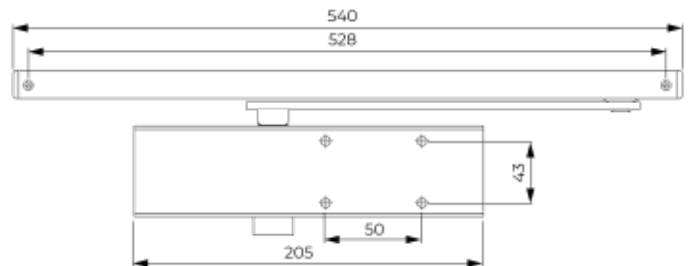
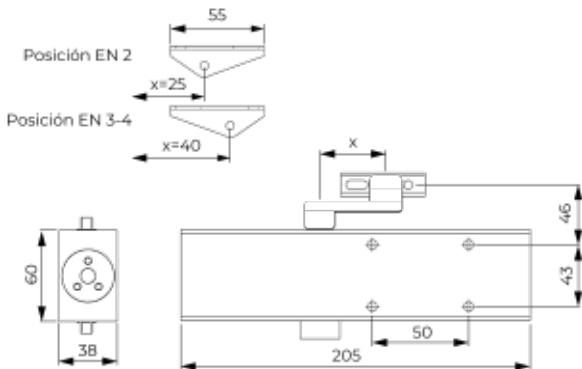
Type of installation	Surface-mounted
Reversible	Yes
Height	60 mm
Width	205 mm
Depth	38 mm
Closing force	EN 2-4
Door weight	25-85 kg
Door width	<1100 mm
Tested cycles	500,000
Valid for RF doors	Yes

### FUNCTIONS

Backcheck	Yes
Delay action	No
Closing speed (S)	Yes
Latching (L)	Yes
Articulated arm	Optional
Sliding arm (SA)	Optional
Retention (H)	Optional

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#### Force adjustable by position.

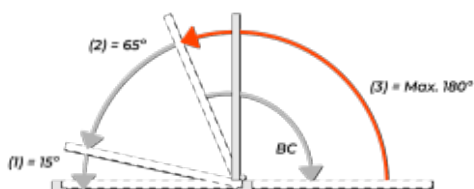


### FINISHES



### MODELS

- DC6** ARTICULATED ARM
- DC6 H** ARTICULATED ARM + RETENTION
- DC6 SA** SLIDING ARM
- DC6 SA H** SLIDING ARM + RETENTION



(1)= Final impact (L)  
 (2)= Closing speed (S)  
 (3)= Maximum opening

Optionally the BC speed can be adjusted (>65°)





# DORCAS

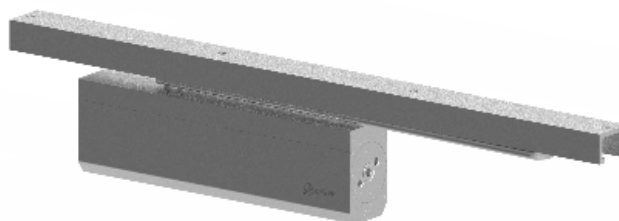
OVERHEAD

## DC8

**EN 2-5**

The DC8 model is an overhead door closer with cam mechanism. With it we obtain a **smoother and more gradual opening**.

Suitable for large, heavy doors, where the end users are going to be children, the elderly or disabled people.



### INSTALLATION SPECIFICATIONS

Type of installation	Surface-mounted
Reversible	Yes
Height	60 mm
Width	212 mm
Depth	40 mm
Closing force	EN 2-5
Door weight	40-100 kg
Door width	<1250 mm
Tested cycles	500,000
Valid for RF doors	Yes



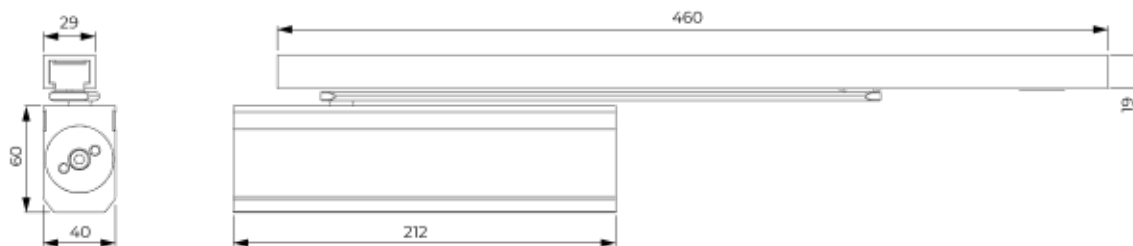
3 8 3 1 1 3

EN 1154:1996 + A1:2002-12 + AC:2006-06

### FUNCTIONS

Backcheck	Yes
Delay action	Yes
Closing speed (S)	Yes
Latching (L)	Yes
Articulated arm	Optional
Sliding arm (SA)	Optional
Retention (H)	Optional

Force adjustable by adjustment.

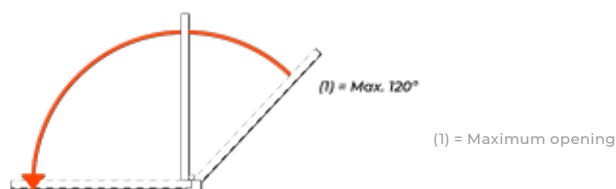


### FINISHES



### MODELS

- DC8 SA**      SLIDING ARM
- DC8 SA H**      SLIDING ARM + RETENTION





OVERHEAD - CONCEALED

EN 1-3

The DC7 is a **concealed overhead model** for single-leaf doors, which is completely housed in the door leaf. The sliding arm is only visible with the door open.



**INSTALLATION SPECIFICATIONS**

Type of installation	Flush-mounted
Reversible	Yes
Height	67.50 mm
Width	231 mm
Depth	32.50 mm
Closing force	EN 1-3
Door weight	20-60 kg
Door width	<950 mm
Tested cycles	500,000
Valid for RF doors	Yes



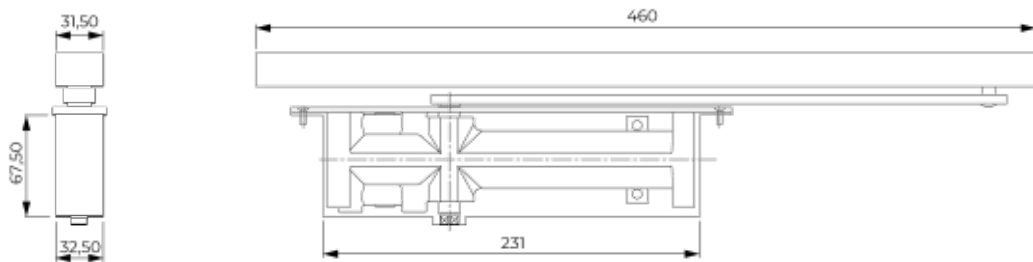
3	8	3	1	1	3
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EN 1154:1996 + A1:2002-12 + AC:2006-06

**FUNCTIONS**

Backcheck	No
Delay action	No
Closing speed (S)	Yes
Latching (L)	Yes
Articulated arm	No
Sliding arm (SA)	Yes
Retention (H)	Optional

Force adjustable by adjustment.



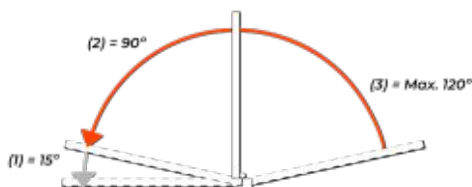
**FINISHES**



SILVER

**MODELS**

- DC7 SA SLIDING ARM
- DC7 SA H SLIDING ARM + RETENTION



(1)= Final impact (L)  
 (2)= Closing speed (S)  
 (3) = Maximum opening





OVERHEAD - CONCEALED

**EN 2-5**

**DC9**

Cam operated door closer. This model is **overhead and concealed**, making the installation more attractive as the body is totally concealed and the sliding arm is only visible with the door open.

Thanks to the lever mechanism we achieve a **smoother and more gradual opening**.



**INSTALLATION SPECIFICATIONS**

Type of installation	Flush-mounted
Reversible	Yes
Height	60 mm
Width	212 mm
Depth	40 mm
Closing force	EN 2-5
Door weight	40-100 kg
Door width	<1250 mm
Tested cycles	500,000
Valid for RF doors	Yes



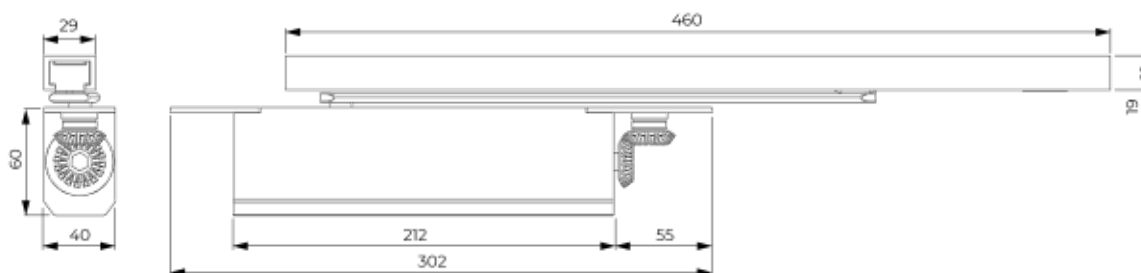
4 8 3 1 1 3

EN 1154:1996 + A1:2002-12 + AC:2006-06

**FUNCTIONS**

Backcheck	Yes
Delay action	Yes
Closing speed (S)	Yes
Latching (L)	Yes
Articulated arm	No
Sliding arm (SA)	Yes
Retention (H)	Optional

Force adjustable by adjustment.



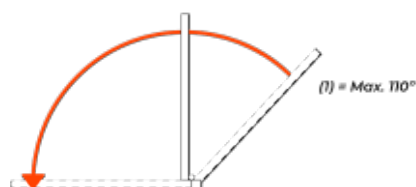
**FINISHES**



SILVER

**MODELS**

- DC9 SA** SLIDING ARM
- DC9 SA H** SLIDING ARM + RETENTION



(l) = Maximum opening



START  
ELECTRIC STRIKES  
FACEPLATES  
ELECTROMECHANICAL LOCKS  
MECHANICAL LOCKS  
ELECTROMAGNETIC LOCKS  
DOOR CLOSERS  
DOOR OPERATORS  
ACCESS CONTROL  
ACCESSORIES



OVERHEAD - ARM OPERATED

**EN 2**

**Easy to install** door closer. It makes the adjustment of the intensity of the spring and its activation or deactivation easy. Enables maximum opening with a smooth 180° movement.

Perfect for interior doors in general (bathrooms, storerooms, etc.)



**INSTALLATION SPECIFICATIONS**

Type of installation	<input checked="" type="checkbox"/>	Surface-mounted
Reversible	<input checked="" type="checkbox"/>	Yes
Height	<input checked="" type="checkbox"/>	187 mm
Width	<input checked="" type="checkbox"/>	213 mm
Depth	<input checked="" type="checkbox"/>	32 mm
Closing force	<input checked="" type="checkbox"/>	EN 3
Door weight	<input checked="" type="checkbox"/>	<40 kg
Door width	<input checked="" type="checkbox"/>	<850 mm
Tested cycles	<input checked="" type="checkbox"/>	250,000
Valid for RF doors	<input checked="" type="checkbox"/>	No

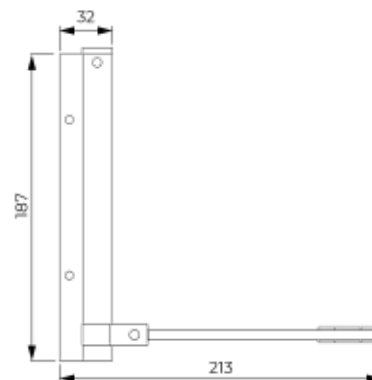
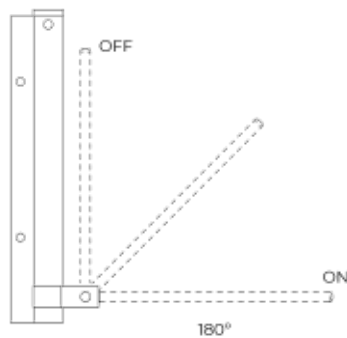


4	8	2	0	1	3
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EN 1154:1996 + A1:2002-12 + AC:2006-06

**FUNCTIONS**

Backcheck	<input checked="" type="checkbox"/>	No
Delay action	<input checked="" type="checkbox"/>	No
Closing speed (S)	<input checked="" type="checkbox"/>	Yes
Latching (L)	<input checked="" type="checkbox"/>	Yes
Articulated arm	<input checked="" type="checkbox"/>	-
Sliding arm (SA)	<input checked="" type="checkbox"/>	-
Retention (H)	<input checked="" type="checkbox"/>	No



**FINISHES**



BROWN



SILVER



BLACK



WHITE

**MODELS**

**DP1** POLE





**FS1** ATTRACTIVE IDEAL FOR EXTERIOR DOOR, UP TO 120KG.....PAGE 270

**FS2** ATTRACTIVE IDEAL FOR EXTERIOR DOOR, UP TO 100KG.....PAGE 271

**DH1** HINGE FUNCTION, UP TO 80KG.....PAGE 272

**DH2** HINGE FUNCTION, UP TO 150KG.....PAGE 273

**NEW DH3** FOR PIVOT DOORS, UP TO 100KG.....PAGE 274





**DORCAS**

*50 years*

# DORCAS

## FS1

FLOOR-MOUNTED

EN 1-4

The FS1 door closer is the ideal solution for **exterior doors**, either in glass or in aluminium, in which we don't want any mechanisms to be visible.

Adapts to doors of up to 120 kg in weight, providing reliability and quality.



### INSTALLATION SPECIFICATIONS

Type of installation	Flush-mounted
Reversible	Yes
Height	82 mm
Width	274 mm
Depth	50 mm
Closing force	EN 1-4
Door weight	<120 kg
Door width	<1100 mm
Tested cycles	500,000
Valid for RF doors	No

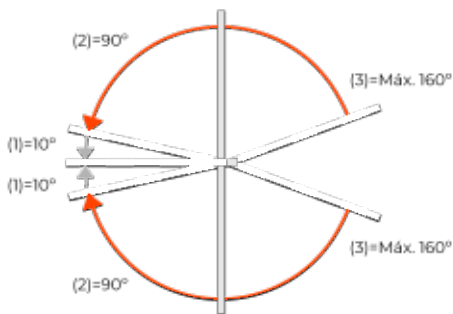


3 8 4 0 1 3

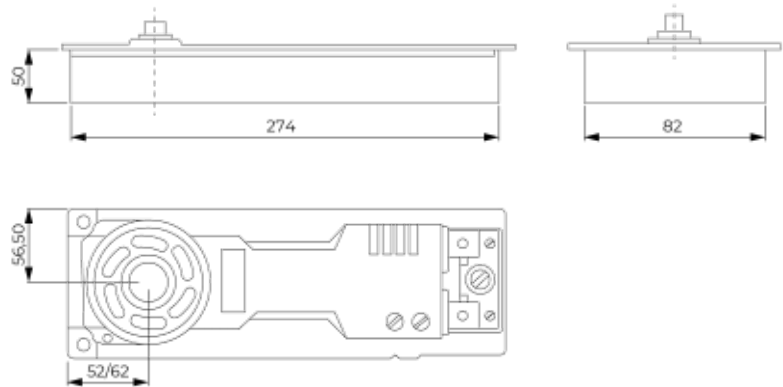
EN 1154:1996 + A1:2002-12 + AC:2006-06

### FUNCTIONS

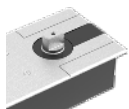
Backcheck	Yes
Delay action	No
Closing speed (S)	Yes
Latching (L)	Yes
Articulated arm	-
Sliding arm (SA)	-
Retention (H)	Yes



NOTA: (1) Golpe final, (2) Velocidad de cierre, (3) Máxima apertura



### FINISHES



STAINLESS STEEL

### MODELS

FS1





# DORCAS

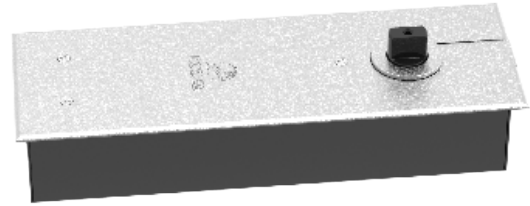
## FS2

FLOOR-MOUNTED

EN 2-4

The FS1 door closer is the ideal solution for **exterior doors**, either in glass or in aluminium, in which we don't want any mechanisms to be visible.

Adapts to doors of up to 150 kg in weight, providing reliability and quality.



### INSTALLATION SPECIFICATIONS

Type of installation	<input checked="" type="checkbox"/>	Flush-mounted
Reversible	<input checked="" type="checkbox"/>	Yes
Height	<input checked="" type="checkbox"/>	41 mm
Width	<input checked="" type="checkbox"/>	306 mm
Depth	<input checked="" type="checkbox"/>	108 mm
Closing force	<input checked="" type="checkbox"/>	EN 2-4
Door weight	<input checked="" type="checkbox"/>	<150 kg
Door width	<input checked="" type="checkbox"/>	<1100 mm
Tested cycles	<input checked="" type="checkbox"/>	500,000
Valid for RF doors	<input checked="" type="checkbox"/>	Yes

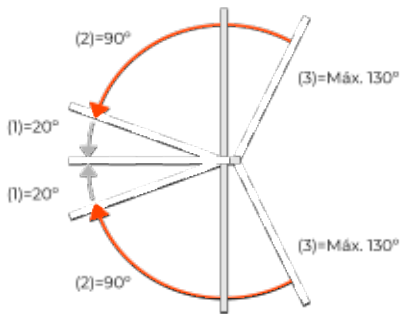


3	8	3	1	1	3
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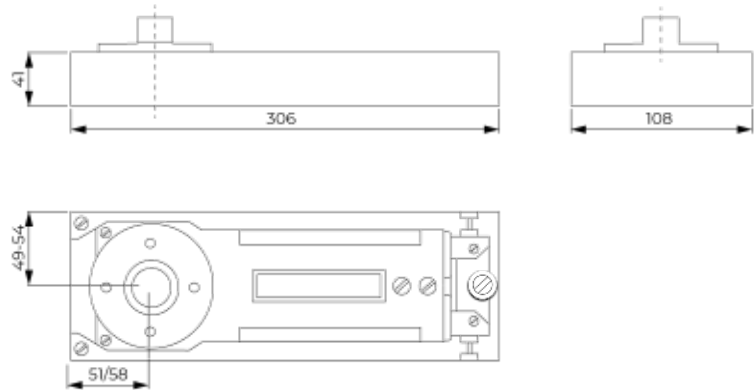
EN 1154:1996 + A1:2002-12 + AC:2006-06

### FUNCTIONS

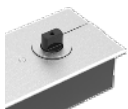
Backcheck	<input checked="" type="checkbox"/>	Yes
Delay action	<input checked="" type="checkbox"/>	No
Closing speed (S)	<input checked="" type="checkbox"/>	Yes
Latching (L)	<input checked="" type="checkbox"/>	Yes
Articulated arm	<input checked="" type="checkbox"/>	-
Sliding arm (SA)	<input checked="" type="checkbox"/>	-
Retention (H)	<input checked="" type="checkbox"/>	Yes



NOTA: (1) Golpe final, (2) Velocidad de cierre, (3) Máxima apertura



### FINISHES



SILVER

### MODELS

FS2



# DORCAS

## DH1

FLOOR-MOUNTED

EN 1-4

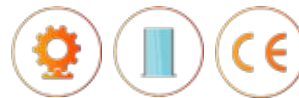
The DH1 door locker serves as hinge for a **glass door**, as well as closing it automatically.

With stainless steel body, it takes glass leaves up to 80 kg in weight. Does not need to be embedded in the floor, thus making it easier to install.



### INSTALLATION SPECIFICATIONS

Type of installation	Surface-mounted
Reversible	Yes
Height	79 mm
Width	177 mm
Depth	45.50 mm
Closing force	EN 1-4
Door weight	<80 kg
Door width	<1000 mm
Tested cycles	500,000
Valid for RF doors	No

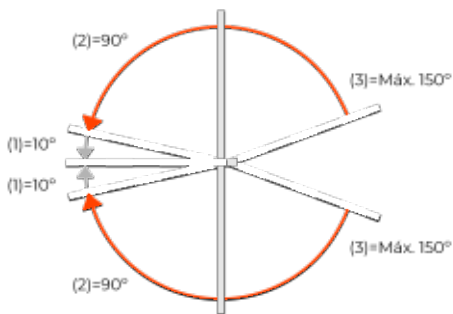


3 8 4 0 1 3

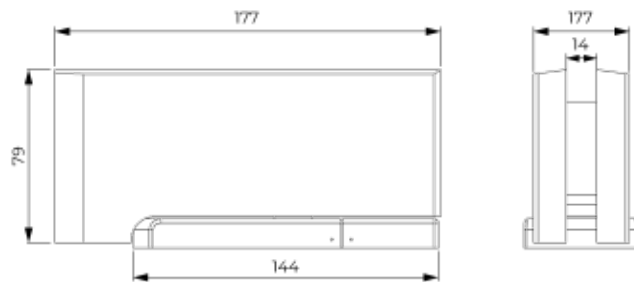
EN 1154:1996 + A1:2002-12 + AC:2006-06

### FUNCTIONS

Backcheck	Yes
Delay action	Yes
Closing speed (S)	Yes
Latching (L)	Yes
Articulated arm	-
Sliding arm (SA)	-
Retention (H)	Yes



NOTA: (1) Golpe final, (2) Velocidad de cierre, (3) Máxima apertura



### FINISHES



STAINLESS STEEL

### MODELS

DH1



# DORCAS

## DH2

FLOOR-MOUNTED

EN 1-6

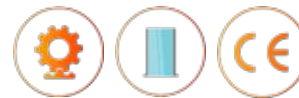
The DH2 door locker serves as hinge for a **glass door**, as well as closing it automatically.

With stainless steel body, it takes glass leaves up to 150 kg in weight. Does not need to be embedded in the floor, thus making it easier to install.



### INSTALLATION SPECIFICATIONS

Type of installation	Surface-mounted
Reversible	Yes
Height	79 mm
Width	177 mm
Depth	45,50 mm
Closing force	EN 1-6
Door weight	<150 kg
Door width	<1000 mm
Tested cycles	500,000
Valid for RF doors	No

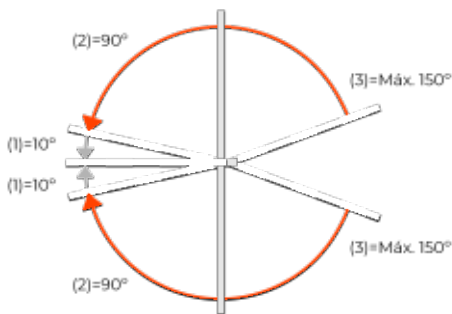


3	8	4	0	1	3
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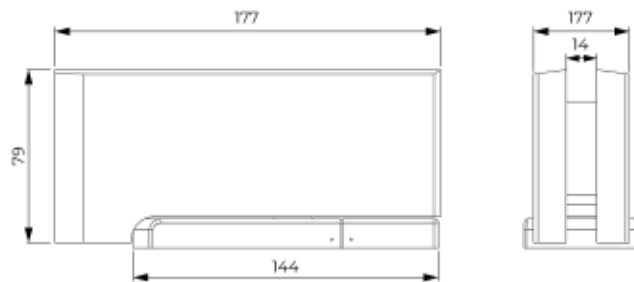
EN 1154:1996 + A1:2002-12 + AC:2006-06

### FUNCTIONS

Backcheck	Yes
Delay action	Yes
Closing speed (S)	Yes
Latching (L)	Yes
Articulated arm	-
Sliding arm (SA)	-
Retention (H)	Yes



NOTA: (1) Golpe final, (2) Velocidad de cierre, (3) Máxima apertura



### FINISHES



STAINLESS STEEL

### MODELS

DH2



**DORCAS**  
**DH3**

FLOOR-MOUNTED

**EN 3**

The DH3 door closer is designed to be installed in entrance **pivot doors** that require smooth, automatic closing.

It's a concealed door closer, flush-mounted in the door itself. It provides a design plus and makes installation easier.



**INSTALLATION SPECIFICATIONS**

Type of installation	Flush-mounted
Reversible	Yes
Height	56 mm
Width	181 mm
Depth	32 mm
Closing force	EN 3
Door weight	<100 kg
Door width	<1250 mm
Tested cycles	500,000
Valid for RF doors	Yes

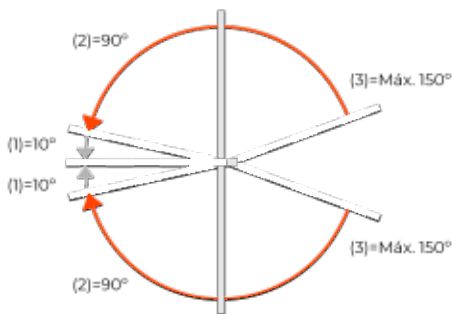


3	8	3	1	1	3
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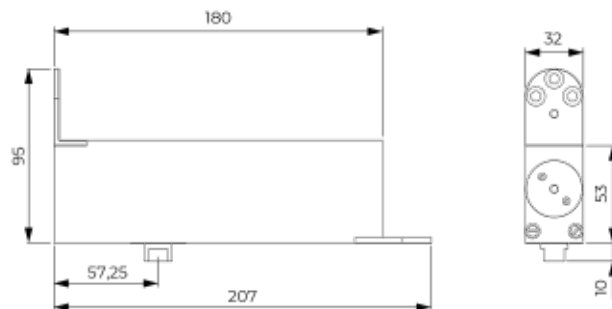
EN 1154:1996 + A1:2002-12 + AC:2006-06

**FUNCTIONS**

Backcheck	Yes
Delay action	Yes
Closing speed (S)	Yes
Latching (L)	Yes
Articulated arm	-
Sliding arm (SA)	-
Retention (H)	No



NOTA: (1) Golpe final, (2) Velocidad de cierre, (3) Máxima apertura



**FINISHES**



STAINLESS STEEL

**MODELS**

**DH3**





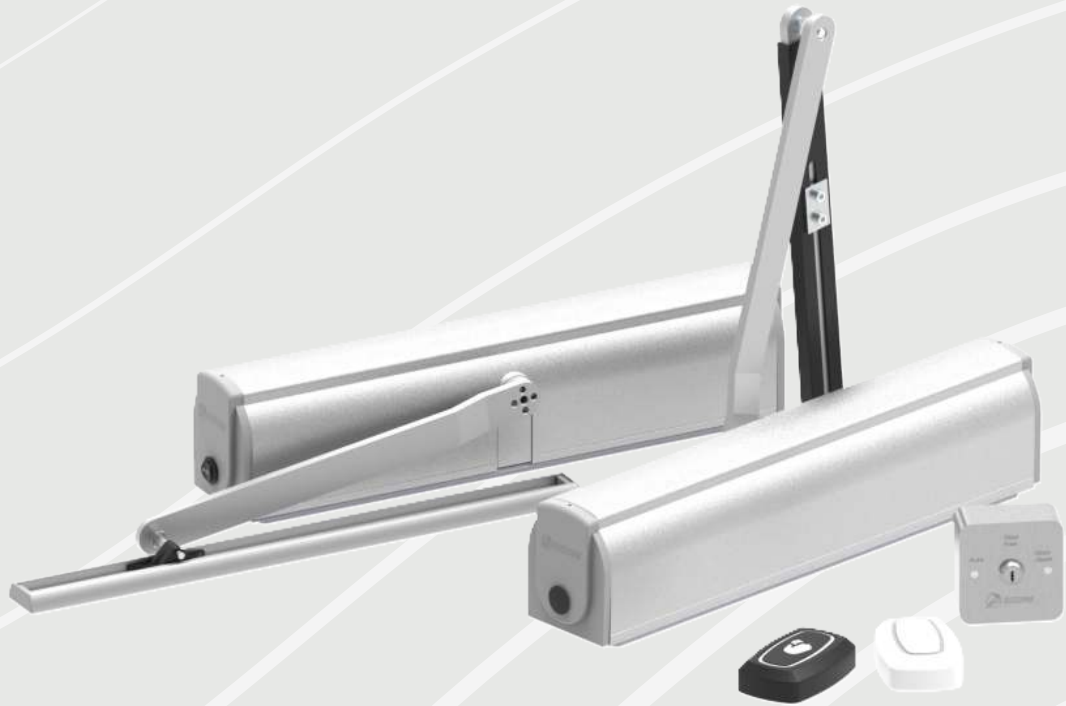
# ***DOOR OPERATORS***

**WHAT IS A DOOR OPERATOR?**





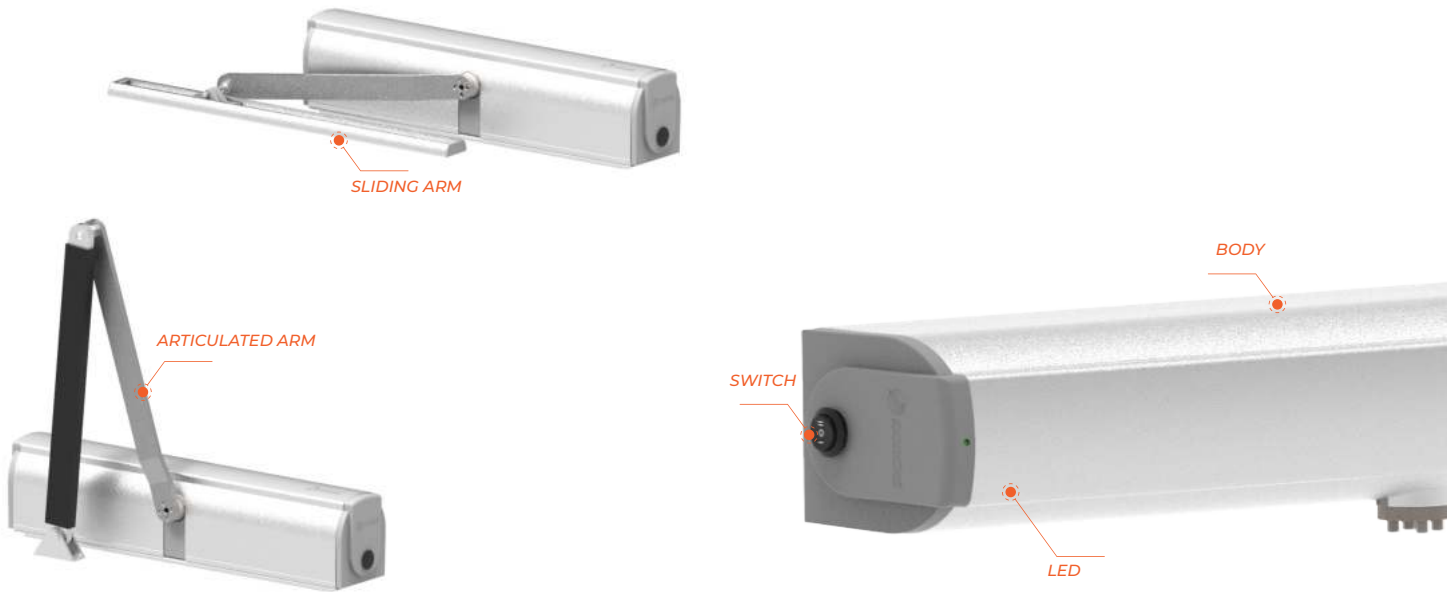
**A door operator is an automatic motorised system that both opens and closes a door. These devices manage the movement autonomously and can be connected to accessories such as electric strikes, radars, photocells, push buttons, etc.**



## COMPONENTS OF A DOOR OPERATOR

The door is the part in which all the electronics are incorporated. It is what receives the electric current, transmitting the movement to the arm. The arm can be of two types: hinged arm, installed on doors that open outwards, sliding arm, installed on doors that open inwards.

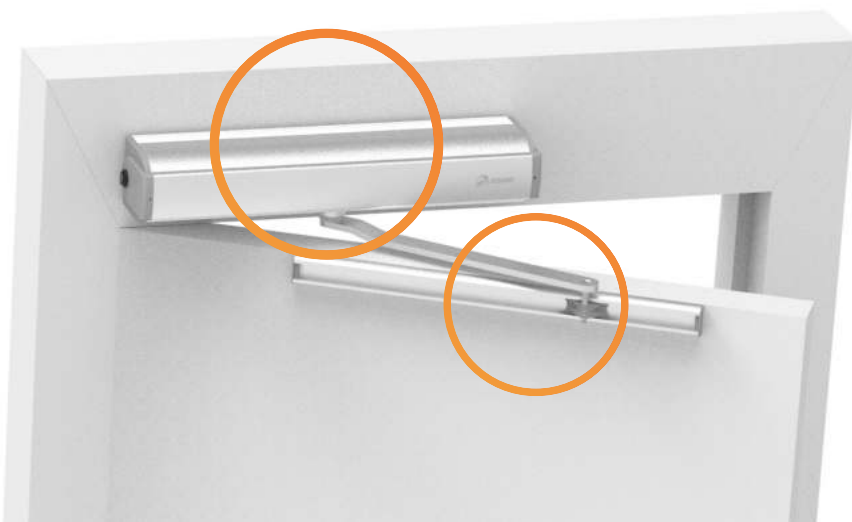
It also incorporates a remote control with RF technology, which enables us to open or close the door and access the device's settings. It incorporates a three-colour status led. We change the operating mode with the switch.



## WHERE IS IT INSTALLED?

The door operator consists of two main parts: the body, which is installed on the upper frame of the door, and the arm (hinged arm or sliding arm), which is installed on the door leaf.

The operator can only be installed on the top frame of the door. It doesn't allow for assembly on the door leaf.





## OPERATION

In a door operator both opening and closing are electromechanical. The device receives an electrical signal, either through its own accessory such as a radar, by an external accessory such as an access control, a push button, or by means of the remote control. Once this signal has been received, the door operator itself carries out the electrical supply sequence to the opening device (if there is one) and executes the leaf opening/closing operation with the speed, force and time settings we set.

The door operator's power supply is 230 VCA - 50 Hz, with a power of 50 W.

The door operators have a backup battery (12 VCC - 1,3 Ah) to ensure that they work in the event of a power fault.



**FREE ENTRY (O)**, the opposition performed by the motor is cancelled and both manual opening and closing of the door is allowed. When the lateral switch is put in the O position the LED will TURN OFF.

**AUTOMATIC (I)**, the door operator works automatically, opening and closing the door according to the settings we have given it. When the lateral switch is put in the I position the LED will come on GREEN.

**ALWAYS OPEN (II)**, once we have put the switch in the "II" position the device opens automatically and leaves it open until we change the position of the switch again. When the lateral switch is put in the II position the LED will go ORANGE.

## WHICH ARM SHOULD WE INSTALL?

### ARTICULATED ARM

The articulated arm is designed for outward opening doors. Standing in front of the door we won't see the hinges. We will open it by pushing the leaf.



### SLIDING ARM

The articulated arm is designed for inward opening doors. Standing in front of the door we will see the hinges. We will open it by pulling the leaf. Thanks to the universal arm kit, the main lever of the articulated arm can also be used with the sliding arm set-up.



## CHOOSE YOUR SYSTEM IN 3 STEPS

---

### 1 DEVICE

First we will choose whether we need an ACCSIE or a ACCSIE PLUS, for a single or a double door.

FOR SINGLE DOOR



FOR DOUBLE DOOR



### 2 ACCESSORIES

There is a large quantity of accessories for the ACCSIE operator that adapt the installation to any type of need. For example: detection radars, security photocells, touchless activation systems, remote controls, etc.

NOTE: The accessories are explained on page 281.

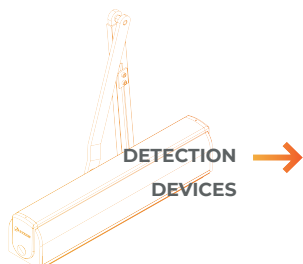
### 3 ACCESSORIES

You can add accessories from our range of strikes or locks, push buttons, access controls, etc. to guarantee maximum security.

NOTE: The pack includes: ACCSIE device + mounting plate + articulated arm + sliding arm

## ACCESSORIES

The different accessory devices for the installation of an ACCSIE include people detection elements to assist in the opening of the door or to increase the security of the opening and closing manoeuvres.



### OPENING RADAR

120x70x41.5 mm

IP54

Ref: *D-22312*-----

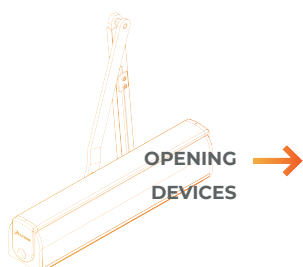


### PHOTOCELL

83x48x16 mm

IP55

Ref: *D-22314*-----



### REMOTE CONTROL

82x50x16.5 mm

AM/ASK

Ref: *D-22304*-----



### TOUCH BUTTON

105x70x23.5 mm

IP55

Ref: *D-PL7*-----



### TOUCHLESS BUTTON

105x70x23.5 mm

IP55

Ref. White: *D-22366CLB*-----

Ref. Black: *D-22366CLN*-----



### KEY SWITCH

86x86x30 mm

COM/NC/NO

Ref: *D-22361*-----



### ACTIVATION CARD

86x54x7 mm

Long range

Ref: *D-22311*-----



### CONNECTING CABLE

Ø6.2x200 mm

Ref: *D-22353*-----



### SHAFT EXTENDER

Ø27x30/55/80 mm

Stainless steel

Ref. 30mm: *D-22351*-----

Ref. 55mm: *D-22350*-----

Ref. 80mm: *D-22352*-----

# DORCAS

## ACCSIE

DOOR OPERATOR

**UP TO 120 KG**

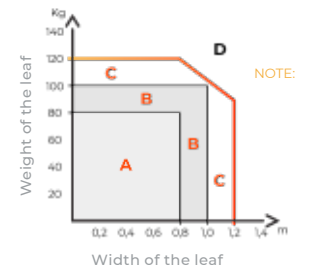
Motorised system that **enables automatic and motorised door opening and closing.**

Allows it to be installed on existing doors, and therefore requires no works or door substitution, being valid both for one- and two-leaf doors with inward and outward opening.



### INSTALLATION SPECIFICATIONS

Type of installation	Surface-mounted
Reversible	Yes
Height	90 mm
Width	506 mm
Depth	115 mm
Weight	5 kg
Door weight	Up to 120 kg
Door width	Up to 120 cm
Tested cycles	500,000
Valid for RF doors	No
Electric closing power supply	12 VDC / 1A
Backup battery	Up to 600 cycles



### FUNCTIONS

- Height and management of remote controls
- Adjustment of times, speeds and force
- Automatic and manual modes
- Guided calibration
- Output for electric strikes/lock
- Compatible with push buttons, access control and video door entry systems
- Fire mode
- Suitable for people with reduced mobility

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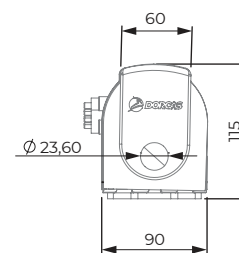
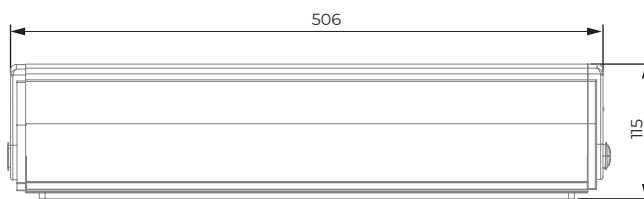
NOTE:

A: Highly intensive use, 600 cycles/day.

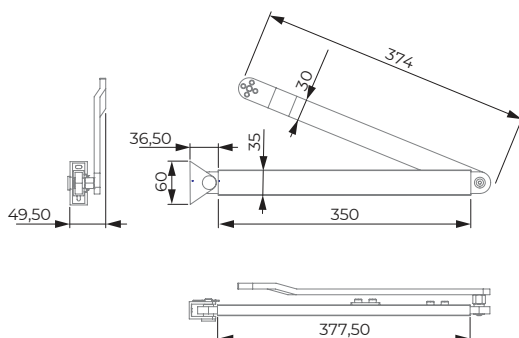
B: Intensive use, 200-300 cycles/day.

C: Use with reduced speed.

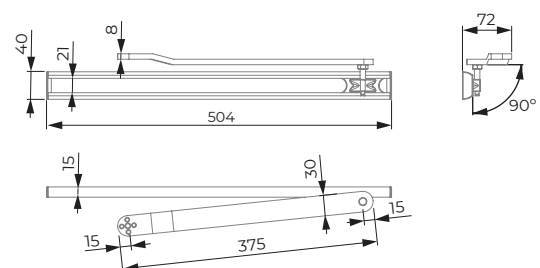
D: Use not permitted



#### ARTICULATED ARM



#### SLIDING ARM



# DORCAS

DOOR OPERATOR

## ACCSIE PLUS

**UP TO 200 KG**

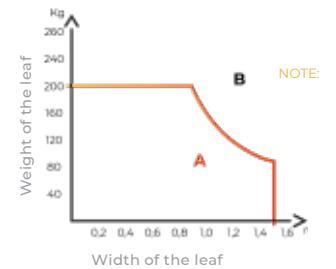
While the standard version has motorised opening and closing, the ACCSIE PLUS version **has motorised opening and mechanical closing**, which makes the system valid for bigger, heavier doors. Furthermore, as the closing is mechanical the motor's useful life is prolonged.



### INSTALLATION SPECIFICATIONS

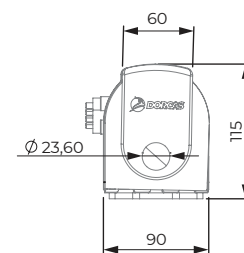
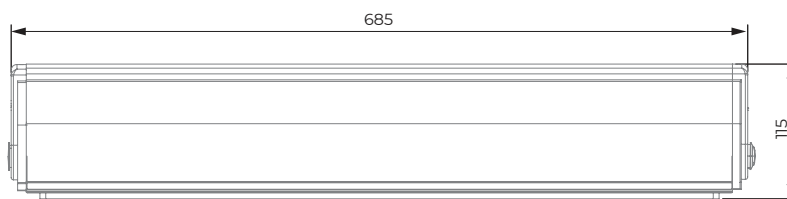
Type of installation	Surface-mounted
Reversible	Yes
Height	90 mm
Width	685 mm
Depth	115 mm
Weight	10.50 kg
Door weight	Up to 200 kg
Door width	Up to 150 cm
Tested cycles	500,000
Valid for RF doors	No
Electric closing power supply	12VDC / 1A or 24VDC / 0.50A
Backup battery	Up to 600 cycles

NOTE:  
A: Zone of use  
B: Use not permitted

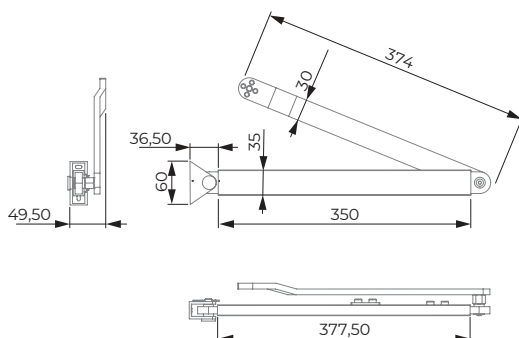


### FUNCTIONS

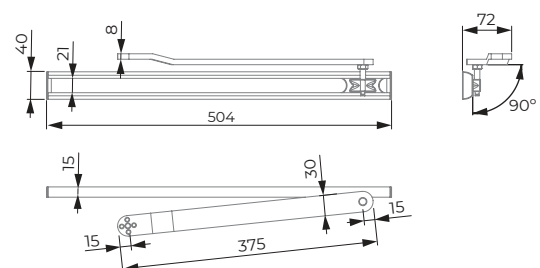
- Height and management of remote controls
- Adjustment of times, speeds and force
- Automatic and manual modes
- Guided calibration
- Output for electric strikes/lock
- Compatible with push buttons, access control and video door entry systems
- Fire mode
- Suitable for people with reduced mobility



#### ARTICULATED ARM



#### SLIDING ARM



# ACCESS CONTROL

WHAT IS ACCESS CONTROL?





*DORCAS offers a varied and comprehensive access control range to complete your installation. They are devices that facilitate control of entry and/or exit through the doors. They are installed to control other locking systems, strikes, electromechanical locks, electromagnetic locks, etc.*



## SOLUTIONS FOR ANY NEED

---

The new and exclusive range of DORCAS access controls cover a wide range of functions according to the needs of each installation.

Among the different models are several modes of authentication, combined between the two or three usual ones, which are the fingerprint, card and/or password via keypad.

**K16 - AUTHENTICATION VIA TOUCH KEYPAD, CARD OR BLUETOOTH**

**K17 - AUTHENTICATION VIA FINGERPRINT, CARD OR BLUETOOTH**

**K18 - AUTHENTICATION VIA FACE RECOGNITION OR CARD**

**K20 - AUTHENTICATION VIA DIGITAL KEY**

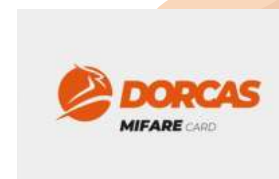
**K4 - AUTHENTICATION VIA REMOTE CONTROL**



## TOTAL ADAPTABILITY

---

Options adapted to any type of installation, either interior or exterior, with different finishes, modern or traditional designs, materials for each type of use and need.



## SIMPLICITY

---



At DORCAS we have surface-mounted, flush-mounted or invisible access control. All of these are quick and easy to install.

For flush-mounted installation, it is only necessary to drill a hole to pass through the wiring, while for surface-mounted installation it is only necessary to drill a hole for the reader (K20).

As for the use of the access control, this is easy and intuitive. At DORCAS we provide the customer with explanatory videos on its installation, start-up and settings.

There are models suitable for working both in normal and in reverse mode, in function of NO/NC connection. The settings systems allow for a broad range of settings to be made, such as duration, sounds, etc. So you can adapt the installation to your needs.



Choose DORCAS. You have a total quality guarantee on all its products.

Our experienced staff put the most advanced technology into each project, marketing the most competitive of products.



## TOTAL COMPATIBILITY

External components can be connected to every DORCAS access control. Each DORCAS product is 100% compatible.





KEYPAD AND CARDS



Access control with modern design. **Ideal for surface-mounted exterior installations**, thanks to its water resistance (IP66) and anti-vandal device (IK08).

Allows to act on two doors, can be set NC or NO. Has backlighting, has LED indications and sound indications.

**INSTALLATION SPECIFICATIONS**

Type of installation	Surface-mounted
Height	120 mm
Width	80 mm
Depth	25 mm
Frequency	MF-13,56 Mhz
Exterior Installation (IP)	Yes (IP66)
Anti-Vandalism Protection	Yes (IK08)
Power Supply Voltage	12/24 VDC
Current consumption on idle (mA)	≤ 50 mA
Current consumption in active (mA)	≤ 120 mA
Output door 1	1.5A (Water contact)
Output door 2	1.5A (Water contact)
Contact configuration door 1	NO/NC
Contact configuration door 2	NO/NC



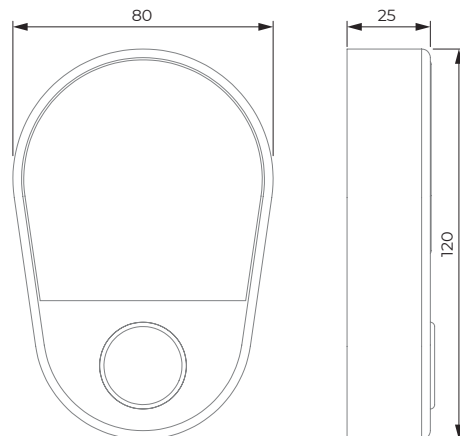
**FUNCTIONS**

Capacity	1000 Users
Touch keypad	Yes
Card	Yes
Bluetooth	Yes
Face recognition	No
Internal memory	No
Led	Yes
Sound	Yes
Backlighting	Yes
Opening time	1" - 99"
Alarm	Optional
Door status sensor	Yes
Wiegand (26 ~ 58)	Yes



**AUTHENTICATION**

The authentication of the K16 is done by touch keypad, card or key fob. It also incorporates opening by bluetooth through the "SmartDorcas" APP. It has a capacity of up to 1000 users.





FINGERPRINT AND CARDS

# K17

Access control with modern design. **Ideal for surface-mounted exterior installations**, thanks to its water resistance (IP66) and anti-vandal device (IK08).

Allows to act on two doors, can be set NC or NO. Has backlighting, has LED indications and sound indications.



## INSTALLATION SPECIFICATIONS

Type of installation	_____	Surface-mounted
Height	_____	120 mm
Width	_____	80 mm
Depth	_____	25 mm
Frequency	_____	MF-13,56 Mhz
Exterior Installation (IP)	_____	Yes (IP66)
Anti-Vandalism Protection	_____	Yes (IK08)
Power Supply Voltage	_____	12/24 VDC
Current consumption on idle (mA)	_____	≤ 50 mA
Current consumption in active (mA)	_____	≤ 120 mA
Output door 1	_____	1.5A (Water contact)
Output door 2	_____	1.5A (Water contact)
Contact configuration door 1	_____	NO/NC
Contact configuration door 2	_____	NO/NC

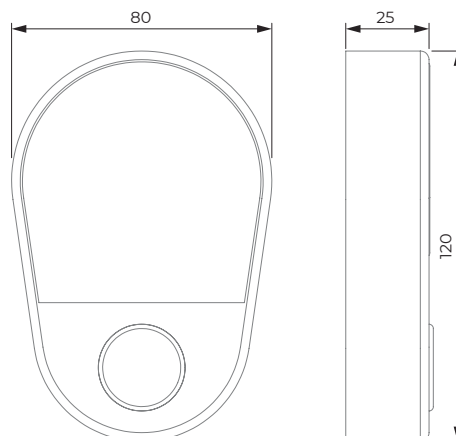
## FUNCTIONS

User memory capacity	_____	100 (Fingerprint) 900 (Card)
Touch keypad	_____	No
Card	_____	Yes
Bluetooth	_____	Yes
Face recognition	_____	No
Internal memory	_____	No
Led	_____	Yes
Sound	_____	Yes
Backlighting	_____	Yes
Opening time	_____	1" - 99"
Alarm	_____	Optional
Door status sensor	_____	Yes
Wiegand (26 ~ 58)	_____	Yes



### AUTHENTICATION

The authentication of the K17 is done by touch keypad, card or key fob. It also incorporates opening by bluetooth through the "SmartDorcas" APP. It has a capacity of up to 1000 users (100 with fingerprint and 900 with card or key fob).



START  
ELECTRIC STRIKES  
FACEPLATES  
ELECTROMECHANICAL LOCKS  
MECHANICAL LOCKS  
ELECTROMAGNETIC LOCKS  
DOOR CLOSERS  
DOOR OPERATORS  
ACCESS CONTROL  
ACCESSORIES

# DORCAS

FACE AND CARDS

## K18



Access control with modern design. Broad capacity to store users both with card (2000) and with face recognition (1000).

Easy surface-mounted installation. Enables to act on 1 door with a relay available in NC or NO.

**It has an internal access log** to control user inputs and outputs, with a memory of up to 200,000 records.

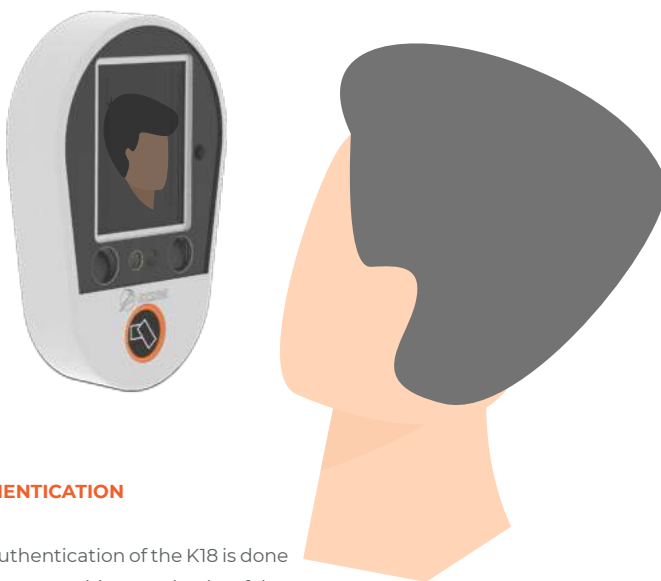


### INSTALLATION SPECIFICATIONS

Type of installation	Surface-mounted
Height	120 mm
Width	80 mm
Depth	25 mm
Frequency	MF-13,56 Mhz
Exterior Installation (IP)	Yes (IP44)
Anti-Vandalism Protection	Yes (IK08)
Power Supply Voltage	12 VDC
Current consumption on idle (mA)	≤ 130 mA
Current consumption in active (mA)	≤ 230 mA
Output door 1	1.5A (Water contact)
Contact configuration door 1	NO/NC

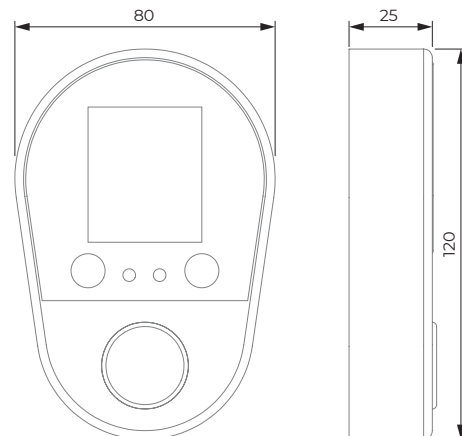
### FUNCTIONS

User memory capacity	1000 (Facial)	2000 (Card)
Touch keypad	No	
Card	Yes	
Bluetooth	No	
Face recognition	Yes	
Internal memory	Yes	
Led	Yes	
Sound	Yes	
Backlighting	Yes	
Opening time	1" - 99"	
Alarm	No	
Door status sensor	Yes	
Wiegand (26 ~ 58)	Yes	



### AUTHENTICATION

The authentication of the K18 is done by face recognition, card or key fob. It has a capacity of up to 3000 users (1000 with face recognition and 2000 with card or key fob).



# DORCAS WIRELESS

## K19

Composed of a **Wireless keypad**, a **Wireless push button** and a receiver module that works at 12VDC. Connections are made in the small-sized receiver module. Afterwards the keypad and push button send a signal to the receiver to activate the lock.



### INSTALLATION SPECIFICATIONS

Type of installation	Surface-mounted
Height	135 mm
Width	48 mm
Depth	25 mm
Frequency	MF-13,56 Mhz
Exterior Installation (IP)	Yes (IP66)
Anti-Vandalism Protection	Yes (IK08)
Power Supply Voltage	12 VDC
Current consumption on idle (mA)	≤ 50 mA
Current consumption in active (mA)	≤ 120 mA
Output door 1	1.5A (Water contact)
Contact configuration door 1	NO/NC



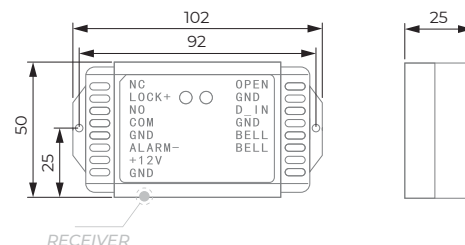
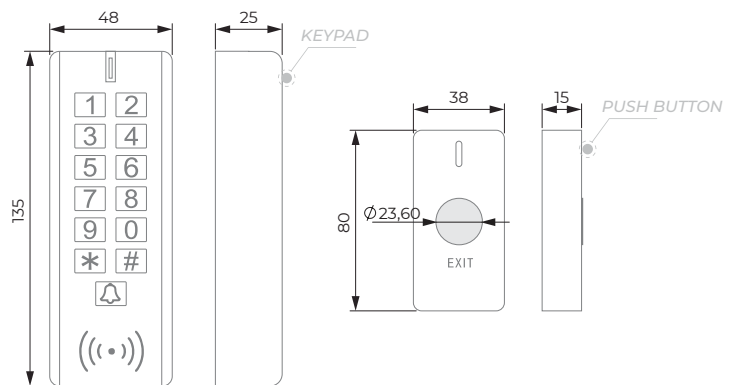
### FUNCTIONS

User memory capacity	600 Users
Keyboard	Yes
Card	Yes
Led	Yes
Sound	Yes
Opening time	1" - 99"
Alarm	Yes
Door status sensor	Yes



### AUTHENTICATION

K19 access control does the authentication by means of keypad, card or key fob, with battery operation and memory for 600 users.





# DORCAS

TOTAL CONTROL

## K20

Flexible and unlimited **digital master** key access control with real-time and remote permissions management. By means of an easy and intuitive web portal you can register and deregister and also set schedules or consult entry records. The copy-proof proximity keys make it ideal for locations where maximum security is sought.



### INSTALLATION SPECIFICATIONS

Type of installation	Flush-mounted
Diameter	40 mm
Depth	29 mm
Frequency	13.56 MHz
Exterior Installation (IP)	Yes (IP54 - Reader)
Anti-Vandalism Protection	No
Power Supply Voltage	12 VDC
Current consumption on idle (mA)	≤ 50 mA
Current consumption in active (mA)	≤ 300 mA
Port output	5A (NO/NC)



### FUNCTIONS

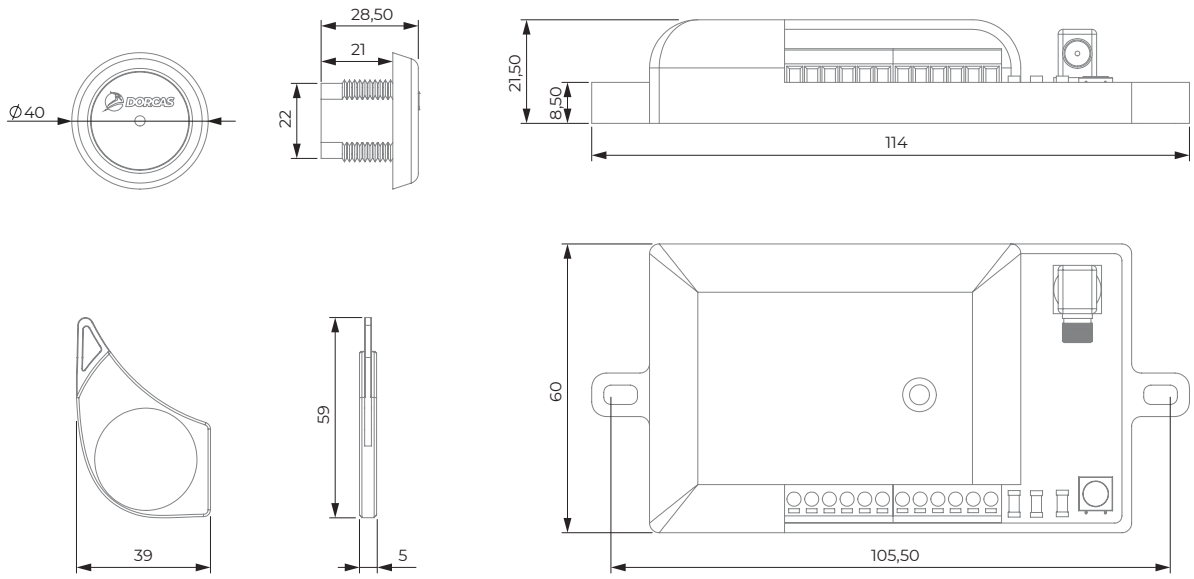
Capacity	Unlimited users
Network	4G (SIM incorporated)
Group management	Yes
Schedules	Yes
Access records	Yes



### AUTHENTICATION

The K20 access control does the authentication by means of uncopyable proximity keys.

The **number of users is unlimited**, registrations and unregistrations can be made from remote.



COMPONENTS

READER



Its inconspicuous, rounded **proximity reader** makes it easy to integrate around the access door, making it a modern, minimalist installation.

CENTRALITE



The **centralite**, being separate from the reader, can be concealed in the cut or in a wiring enclosure. Leaving only the reader visible.

BADGE



At DORCAS we know that security is the most important of all. That's why the **proximity keys** of the K20 access control are copy-proof.



## REMOTE 4G MANAGEMENT VIA WEB

The K20 access control has a dedicated web portal you can access from anywhere you may be, from a computer, tablet or mobile phone.

### ACCESS REGISTER

You can access the dedicated web portal to have full control of each user's entries and exits.

### REAL TIME REGISTRATIONS AND DEREGISTRATIONS

User registrations and unregistrations are done easily, in real time and from anywhere.



### QUICK AND SIMPLE

As it has 4G communication it is not necessary to deploy a wifi network in the installation. It includes a preactivated sim card, included in the pack.

### UNLIMITED GROUPS

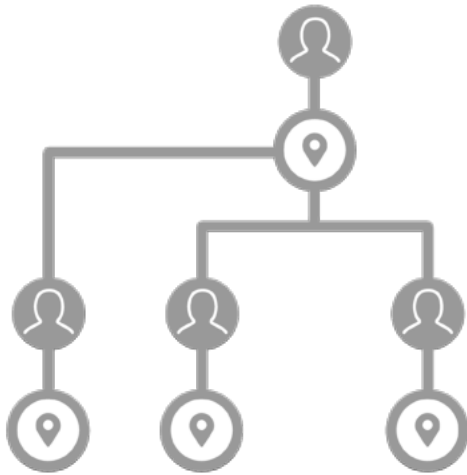
Unlimited user groups can be defined to grant entry permissions to different accesses.

### SCHEDULE MANAGEMENT

With schedule management we can determine access time bands for a user or user group.



TRADITIONAL MASTER KEYING



DIGITAL MASTER KEYING



UNLIMITED

Far from the limitations of traditional master keying with inflexible cascade hierarchies, the K20 access control makes it possible to set up completely free and fully scalable master keying systems at any time.



SECURITY KEYS

At DORCAS we know that security is the most important of all, which is why the proximity keys of the K20 access control are copy-proof.



PERSONALISATION

Several customisable colour options are available for the proximity keys, in order to be able to distinguish different access levels by colour. ON DEMAND



IP54 PROTECTION

The device has a IP54 degree of protection and is fully protected against dust and damp. It is also protected against water splashes.



Access control made up of a remote control (emitter) and a transformer (receiver). The emitter has two channels, enabling two doors with two receivers to be opened.

Up to **85 remote controls** can be connected.

It is complemented with any DORCAS electric strike. For its installation it is sufficient to replace the existing transformer with the K4.



### INSTALLATION SPECIFICATIONS

Type of installation	_____	Surface-mounted
Height	_____	91.60 mm
Width	_____	105.60 mm
Depth	_____	60 mm
Exterior Installation (IP)	_____	No
Anti-Vandalism Protection	_____	No
Power supply voltage	_____	12VDC ± 10%
Operating voltage	_____	12VDC
Max Operating current	_____	0.7 A
Operating temperature	_____	-20 °C +70 °C
Type of receiver	_____	Superheterodyne
Frequency	_____	433.92 MHz

### FUNCTIONS

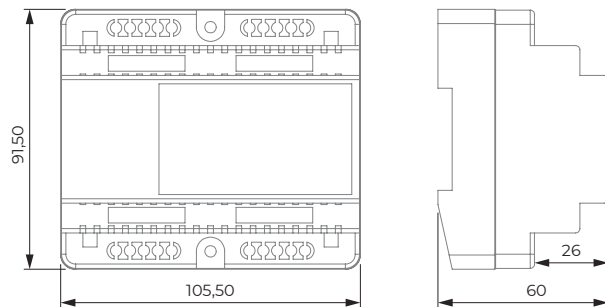
Capacity	_____	85 remote controls
Touch keypad	_____	No
Card	_____	No
Bluetooth	_____	No
Face recognition	_____	No
Remote control	_____	Yes
Activation time	_____	1" (Preset)
Max activation time	_____	30"
Battery duration	_____	12 - 18 months

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#### RANGE

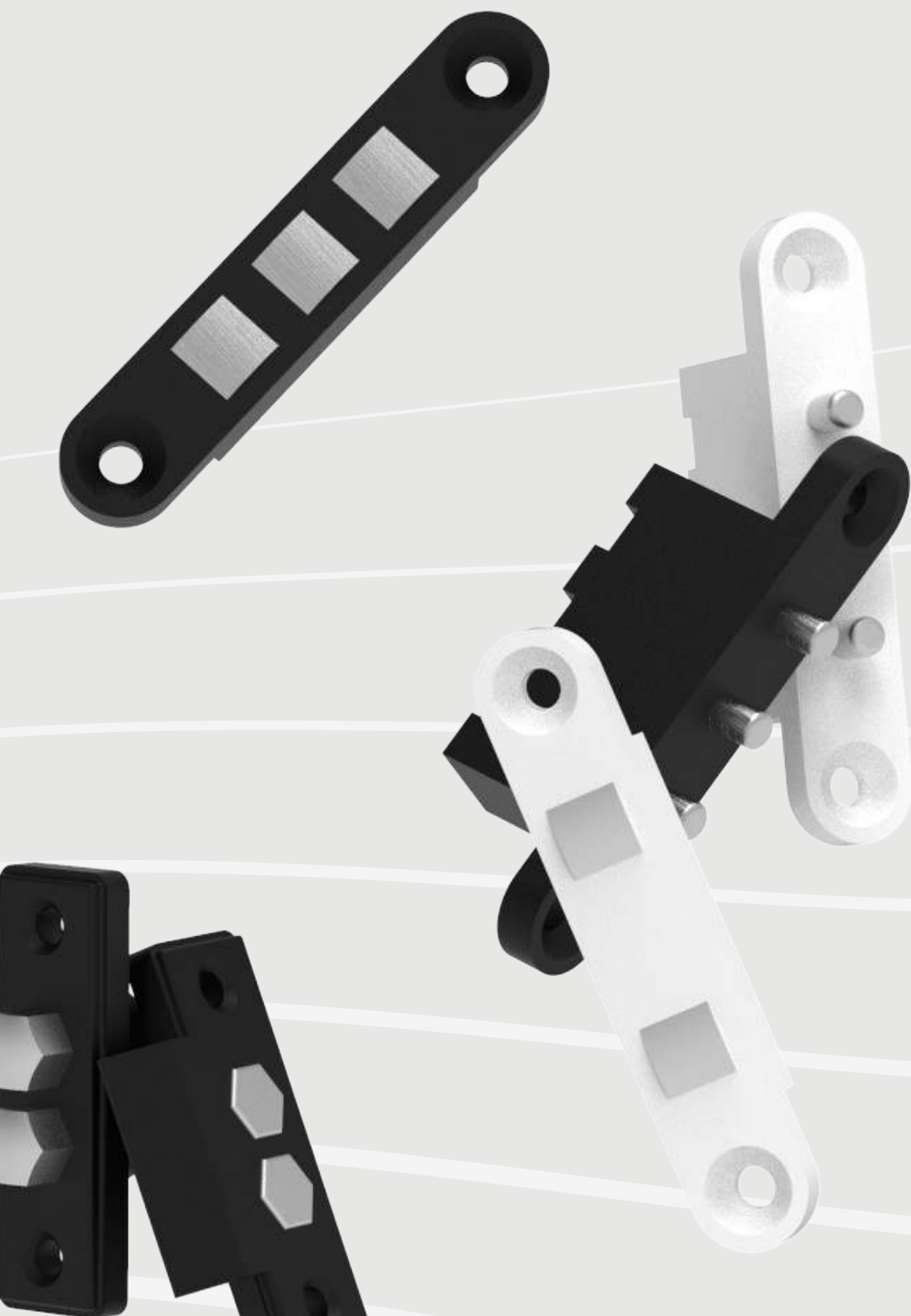
The K4 access control has a range of 20-30 metres when installed with something covering it, be it a building wall, concealed in the cut, etc. and a range of 60-70 metres when it is unobstructed.





# ACCESSORIES

WHAT IS AN ACCESSORY?





*DORCAS has a whole range of accessories available to the customer to complement the installation. From transformers or power supplies to busbar contacts.*





# TRANSFORMERS AND POWER SUPPLIES

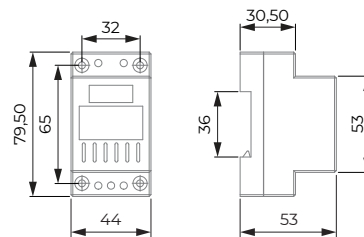
At Dorcas we have a wide range of transformers and stabilised power supplies that cover the entire range of products we market.



## MODELS

### TF1 ALTERNATING CURRENT

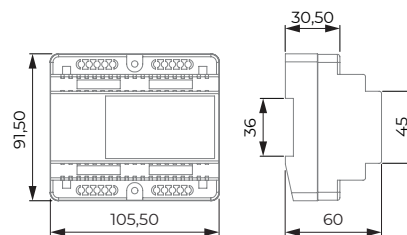
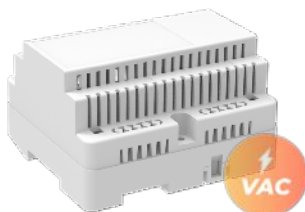
Input	125 - 230 VDC
Output voltage	12 VAC
Output current	0.5 A
Output power	6 W
Type of fastening	DIN M3



Ref: *E-TF1*-----

### TF3 ALTERNATING CURRENT

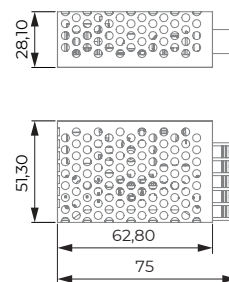
Input	125 - 230 VDC
Output voltage	12 VAC
Output current	1.5 A
Output power	18 W
Type of fastening	DIN M6



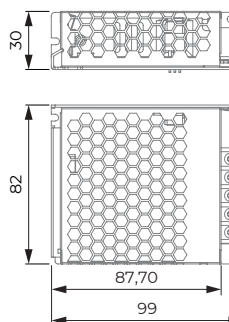
Ref: *E-TF3*-----

**TF4.1** DIRECT CURRENT

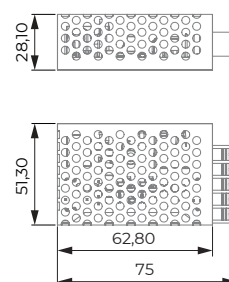
Input	230 VAC
Output voltage	12 VDC
Output current	1.3 A
Output power	15.6 W
Type of fastening	Optional DIN

Ref: *E-TF4.1*-----**TF6** DIRECT CURRENT

Input	230 VAC
Output voltage	12 VDC
Output current	3 A
Output power	36 W
Type of fastening	Optional DIN

Ref: *E-TF6*-----**TF7** DIRECT CURRENT

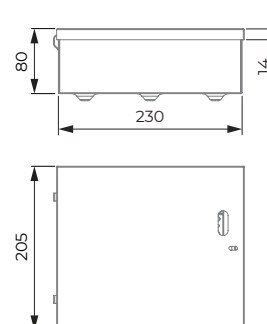
Input	230 VAC
Output voltage	24 VAC
Output current	1.1 A
Output power	26.4 W
Type of fastening	Optional DIN

Ref: *E-TF7*-----

NEW

**TF8** DIRECT CURRENT

Input	230 VAC
Output voltage	13.8 VDC
Output current	2 A
Output power	- W
Type of fastening	Wall anchoring

Ref: *E-TF8*-----

Recess for battery incorporation.

# DORCAS ACCESSORIES

## ELECTRIC CONTACTS

Electric contacts serve to feed through electric current to the door frame when the door is closed.

They allow current to pass through them; one part is recessed in the frame while the other is installed in the door leaf with both parts having to be well aligned for the terminals to meet.

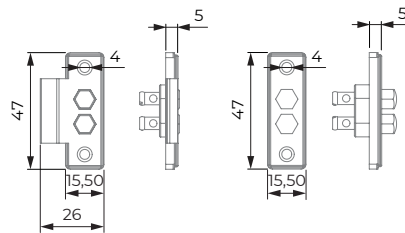


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### MODELS

#### 2CN

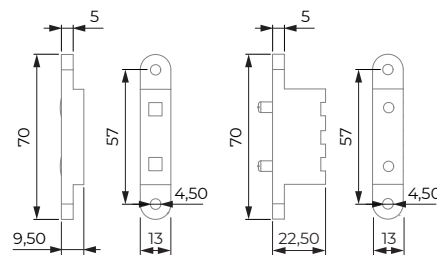
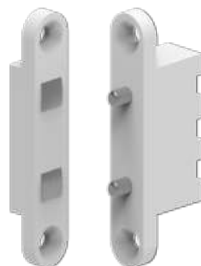
- Installation ——— Flush-mounted
- Material ——— ABS
- Maximum current ——— 2 A
- Number of terminals ——— 2



- Ref. White: E-2CN-----
- Ref. Black: E-2CN/N-----

#### 2C

- Installation ——— Flush-mounted
- Material ——— ABS
- Maximum current ——— 2 A
- Number of terminals ——— 2

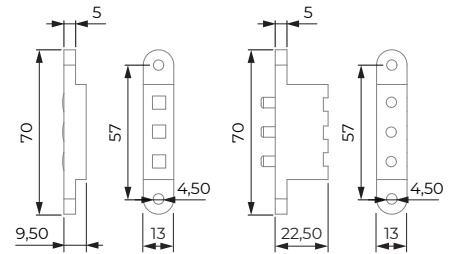
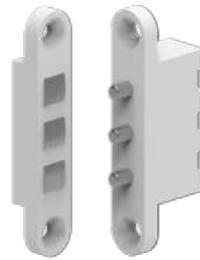


- Ref. White: E-2C-----
- Ref. Black: E-2C/N-----

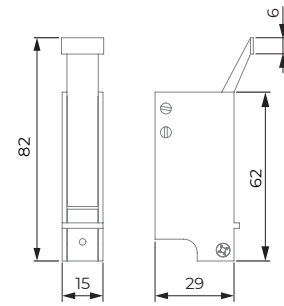


**3C**

Installation	Flush-mounted
Material	ABS
Maximum current	2 A
Number of terminals	3

Ref. White: *E-3C*Ref. Black: *E-3C/N***4C**

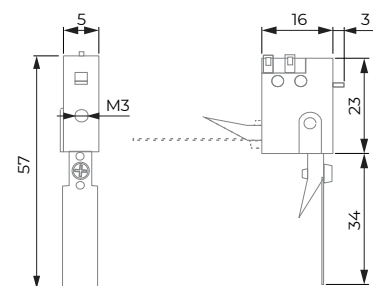
Installation	Flush-mounted
Material	ABS
Maximum current	3 A
Number of terminals	3 (Lever)

Ref: *E-4C*

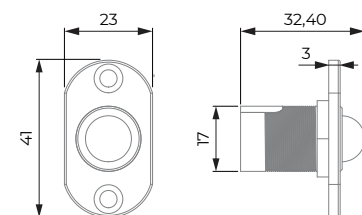
NEW

**6C**

Installation	Flush-mounted
Material	Stainless steel
Maximum current	2 A
Number of terminals	2

Ref: *E-6C***CM2**

Installation	Flush-mounted
Material	Metal/Plastic
Maximum current	2 A
Number of terminals	1

Metal ref.: *E-CM2*Plastic ref.: *E-CM1*



# DORCAS

ACCESSORIES

## DOOR LOOPS

Door loops are a safe way of carrying the electrical wiring from the door frame to the leaf. The wiring is concealed and protected inside.

They adapt to wooden, metal or PVC doors.

We have different models and lengths. Special sizes made to order.



### MODELS

#### X1

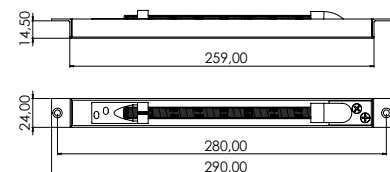
Surface-mounted cable ducts, suitable for any kind of door, protects cables from damage, made in flexible material. Several sizes available: 300, 600, 1000 (mm).



Ref: *E-X1*-----

#### X2

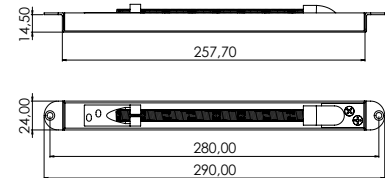
Flush-mounted cable duct, medium size, concealed with the door closed, mounted between door and frame on the hinges part. Finishes at 90°



Ref: *E-X2*-----

**X2R**

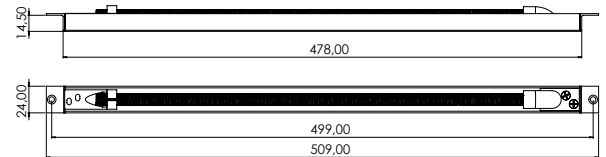
Flush-mounted cable duct, concealed with the door closed, mounted between door and frame on the hinges part. Rounded finishes.



Ref: *E-X2R*-----

**X2B**

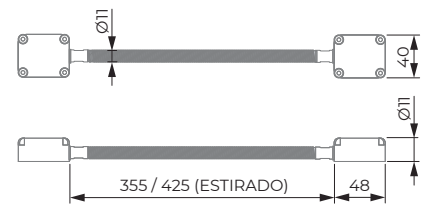
Flush-mounted cable duct, large size, concealed with the door closed, mounted between door and frame on the hinges part. Finishes at 90°



Ref: *E-X2B*-----

**X3**

Flexible tube suitable for any kind of door, protects cables from damage, made in flexible material.



Square base for holding the door.

Ref: *E-X3*-----

# **DORCAS** ACCESSORIES

## **PUSH BUTTONS**

New range of DORCAS push buttons/switches, easy and quick to install models on offer.

Most of the models have backlighting on the push button. Other models offer LED signalling that changes colour to indicate changes in status, like models PL10 and PL12.

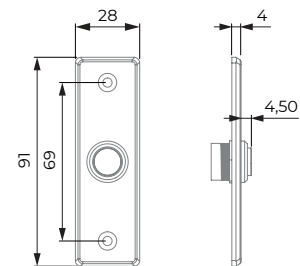


### MODELS

#### PL1 LED

Installation	Flush-mounted
Material	Stainless steel
Maximum current	3 A / 36 V
Output contacts	COM / NC / NO
Backlighting	Yes

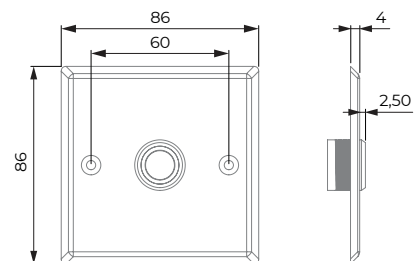
Ref: *E-PL1*-----



#### PL2 LED

Installation	Flush-mounted
Material	Stainless steel
Maximum current	3 A / 36 V
Output contacts	COM / NC / NO
Backlighting	Yes

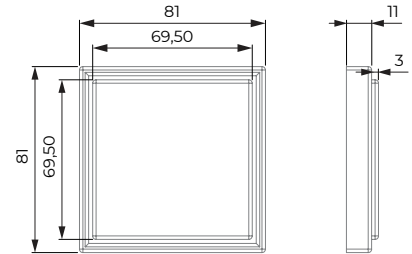
Ref: *E-PL2*-----



**PL5**

- Installation — Flush-mounted
- Material — Polycarbonate
- Maximum current — 10 A / 250 V
- Output contacts — COM / NO
- Backlighting — No

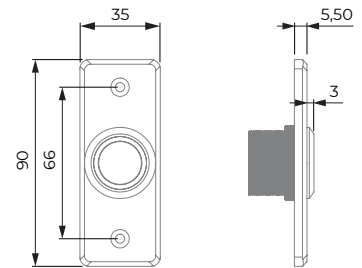
Ref: *E-PL5*-----



**PL10** NO TOUCH

- Installation — Flush-mounted
- Material — Aluminium
- Maximum current — 3 A / 36 V
- Output contacts — COM / NC / NO
- Backlighting — Yes (LED)

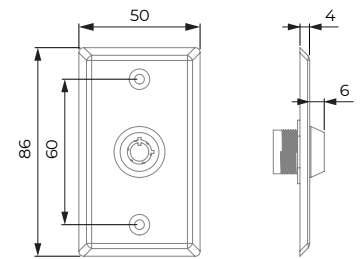
Ref: *E-PL10*-----



**PL11**

- Installation — Flush-mounted
- Material — Stainless steel
- Maximum current — 3 A / 36 V
- Output contacts — COM / NC / NO
- Backlighting — No

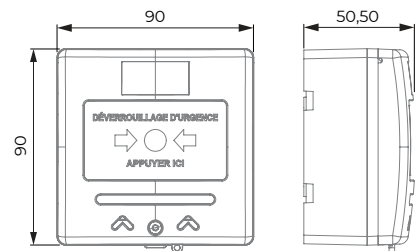
Ref: *E-PL11*-----



**PL15**

- Installation — Surface-mounted
- Material — Plastic
- Maximum current — 12/24 VDC
- Output contacts — (x2) NC / NO
- Backlighting — Yes (LED)

Ref: *E-PL15*-----





## LATCHES AND DEADBOLTS

Dorcac completes the range of products with latches and deadbolts to be combined and used in installations with our products.

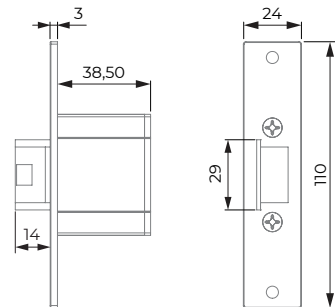


### MODELS

#### P11

Latch with stainless steel front, suitable for wooden doors. Makes the installation more secure thanks to its zinc alloy body.

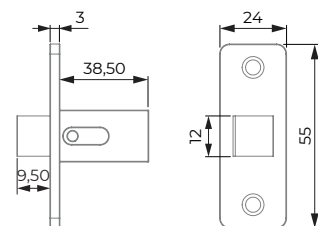
Ref: *E-P11*-----



#### P12

It has a locking system, securing the door once it is closed.

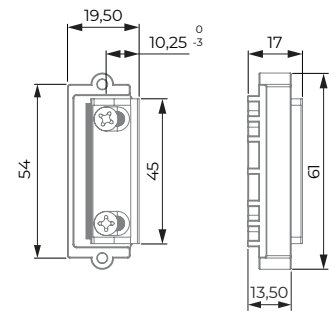
Ref: *E-P12*-----



**P10**

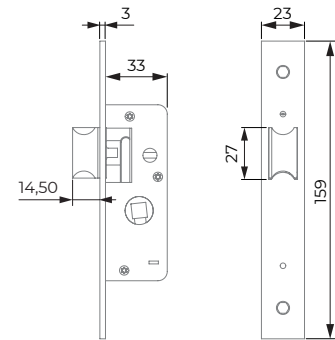
'Dummy' model, if electrical operation for use when the installation is not yet finished, and during works. Thanks to its adjustable flap it can be adjusted to any latch.

Ref: *E-P10*-----

**P11**

The P11 latch is for flush-mounted installations. Its operation is without electric current and the opening is by handle.

Ref: *E-P11*-----



# SOCIAL NETWORKS

WE ARE HERE!



## NEWS

Keep up to date with what's new at DORCAS on our Instagram page, where new products and product highlights are uploaded.



## EVENTS

If you want to get to know DORCAS products first hand, on Instagram we report on trade fairs and events we attend.



## ONLINE TRAINING

The technical/commercial team uploads training videos on new products at both technical and commercial levels.



Currently having an online presence is essential for any business, DORCAS adapts to the new times, so we spend time creating and managing content to help our followers by resolving doubts in a simple, visual and quick way, also informing about news in DORCAS.

Find us on Instagram, LinkedIn and Youtube, follow us and keep up to date with all our news.



All this, accompanied by a renewed website where you can find all the products, technical data sheets, instructions, etc.. With a product search engine so that customers can find the product that best suits their needs in a simple, fast and interactive way.

And as always, a telephone number available for technical/commercial support.



**INSTALLATION VIDEOS**

DORCAS offers you videos of installation and/or configuration of our products on our Youtube channel.

**DORCAS PUBLICATIONS**

Publications on the latest developments in the sector.

**JOB OFFERS**

If you are interested in working with us, don't miss the latest job offers available on LinkedIn.

Y N M O R E T X D F O N Y R A F A X T S O F I A J H A B  
 I A Ñ T E R E S A S V P A L M U D E N A C V Z U W J Q O  
 W C J C H R A V N S Ñ I Q U P T K E C E K D A D O R A R  
 P H U A N M L U I S A P Q D A N T O N I O O W N A U V O  
 E O Ñ L O G I Z W O L S F H R Ñ X C B I A G I N I G I O H A  
 P G V E R I H V A N E S A A O R E C **AGILITY**  
 E P I X M A M E N U X J J T L A D O V C W Ñ B A U Y M L  
 H I C G A V T K Ñ O I **INNOVATION**  
 J N E A N I X O N U A W R Y A T I O S F W H A J L Z U N  
 Y A N G E L A C A R L O S E V I I O P T M A R C O L A  
 D F D T L C R I S T I N A B T E U I O F U J H  
 F M J O S E L E U R F O N S Y Z A L L I N A H H P Q A Z  
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 U K R I S T I N A I G A W L Q X T H J Ñ I E N R I Q U E  
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 A V M C A R M E N K Y U O A T J O S E T O M A S G Z M I  
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 Ñ P A C O W R U E T S O Ñ O F S I P I L A R T D G H R J  
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 L Q M E R I N F O O S A H M I M E C I L K L A U R A S T  
 E U J J B R A Y A N F V O A N A R A O A Y U V I F R A N  
 N M U S R G A R C I A C J W M R A J O A Q U I N G R I E  
 A A T U O A N D R E S G P Z A I N L S E T A D I O W N B  
 V R H E V A F U Q U I Q U E H A L B E R T O M H L A R A  
 V I C E N T E X U A S P M E N T Q C O P E S A T I L E E  
 K O J R Q S A P L R O S A J N I C H E L E C R E O T O D  
 W J A V I E R B O L D O R I A K L N U R I A T U Z E F A  
 J Q J H H R D F A P A S C U A L Ñ O P S W R A E C R M N  
 F A V L P A B L O I J J O S E V I C E N T E S I M A N I  
 E L P J Ñ F A L T O M A S U N O J E A N P H I L I P P E  
 R F G S R I B A Ñ E Z B D Y P A G U E D A O M E G I Ñ L  
 M O N T A N X Y G W E N D O E N J L O S T U N E M M A I  
 I N O X I L Ñ U N E A N A C B P T I S P R E S L E Y J E  
**THANK YOU FOR INSPIRING US!**  
 N S B B X D K H M Y S R F M A D R T D X U I L Ñ L K Ñ P  
 T O A L Ñ D F D G J P E Ñ L I I S A N T O N J U A N C R



**DORCAS**



**Edition 05/23**  
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