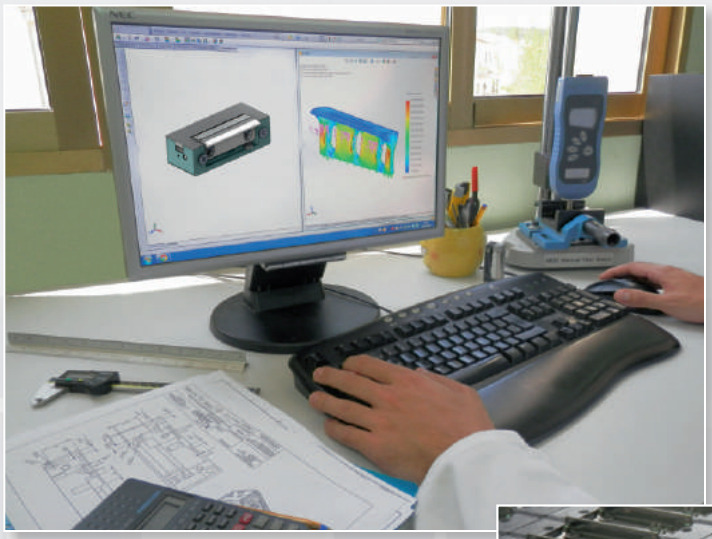
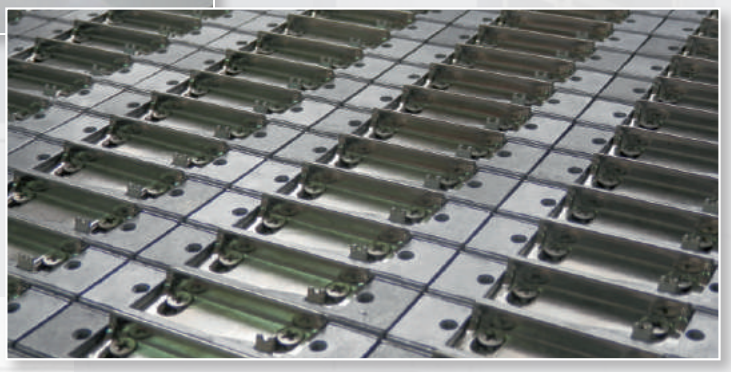
Innovation, in the hands of a dynamic department of R&D, is another distinctive feature of the company: new models are launched continuously in order to adequately meet the needs of a changing market. We have many patents and quality certifications world wide recognized.



We export to over 70 countries.



We are opening **new markets** in emergent countries.

We are strongly **consolidated** in Europe.

INTRODUCTION 4

What is an electric strike? 4

Function Types 5
Electrical features 6
Mechanical features 6
Reversibility, symmetry and radial latch feature 7
How to install an electric strike? 7



ELECTRIC STRIKES 8


30/58 10


45/44 12


54 14


41 16


42/43 18


20/21/27 20


22/23 22


65 24


66 25


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ELECTRIC LOCKS 62



DUO 64
V10 ELECTRIC DEADBOLT 68
V7 ELECTRIC DEADBOLT 69
V11 ELECTRIC DEADBOLT 70



D94 ELECTRIC RIM LOCK 71
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ELECTRIC CONTACTS AND DOOR LOOPS 109
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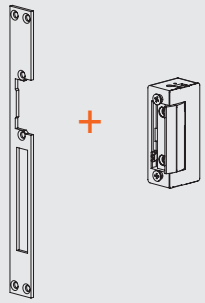
CERTIFICATES 112

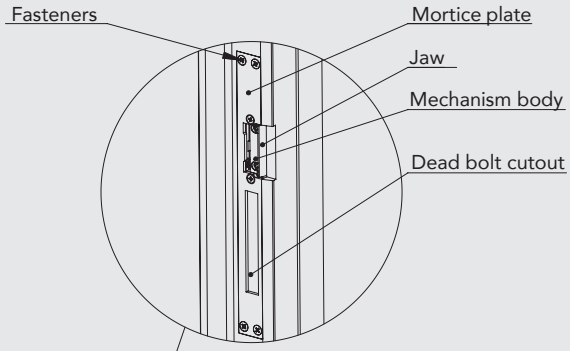
What is an Electric Strike or an Electric Door Release?

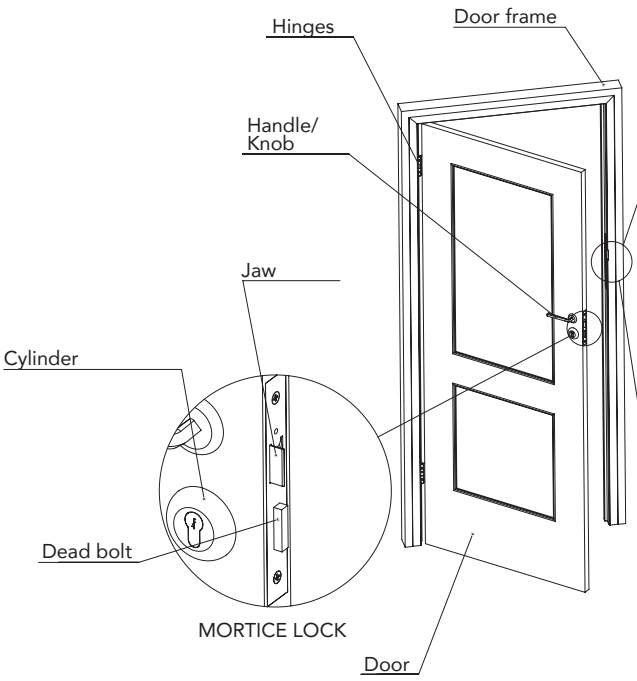
An electric strike is an electromechanical device installed in a frame allowing an electrical opening

FLUSH MOUNTED ELECTRIC STRIKE

A flush mounted electric strike is a mechanism body installed into the door frame and is fixed on it thanks to the plate

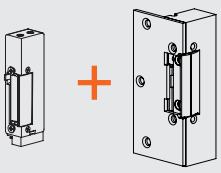


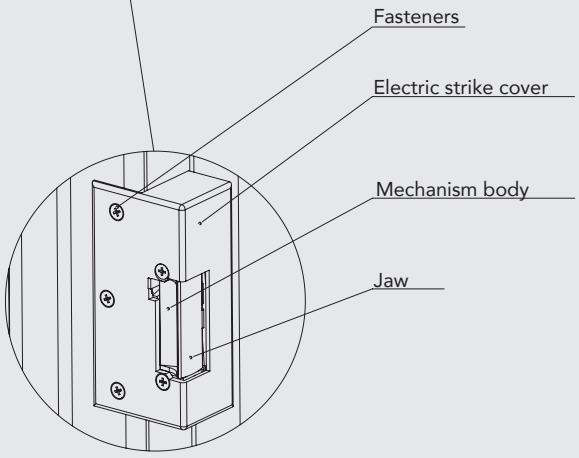




RIM ELECTRIC STRIKE INSTALLATION

A rim electric strike installation is installed onto the door frame in case it does not allow a flush mounted installation. It consists of a mechanism body and an electric strike cover.



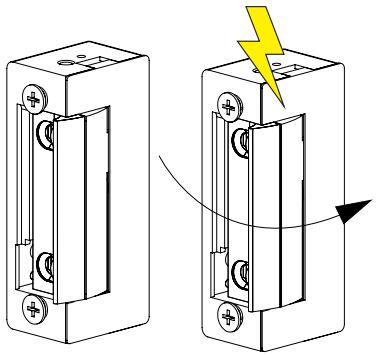


OPERATING FUNCTIONS

Dorcas has a wide range of electric strikes with different functions and features that make our products offer any locking solution . Our Electric strikes cover almost all kinds of applications, wood doors, aluminum doors, heavie iron doors, glass doors, waterproof and fire-proof ... They work with three types of standard functions; standard function, delay action and timed delay action function, besides the different variants and versions derived from them, and other special functions for more specific and profesional electric strikes.

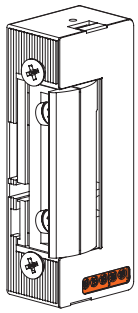
Standard Function (N)

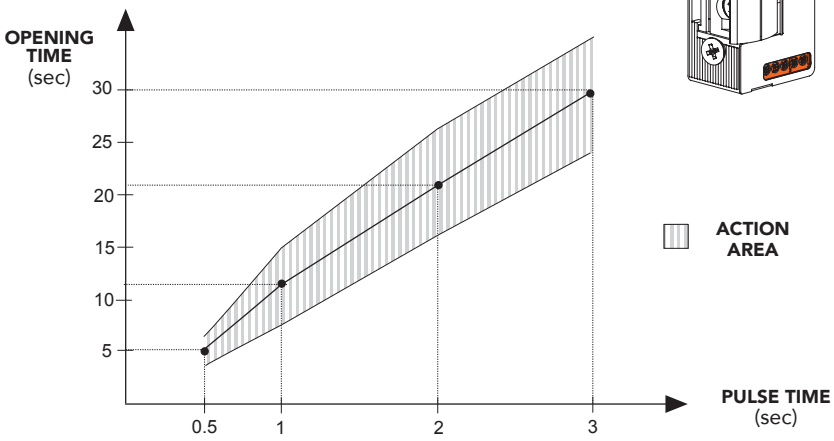
In the standard function, an electric strike remains locked until it recieves an electrical impulse, as long as it lasts the electric strike unlocks the door allowing the door access.



Timed Delay Action (At)

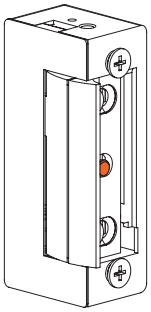
Timed delay action allows the opening in a defined period of time. When electric strike is powered, the door is ready for its opening during a period of time defined by the electric power impulse length (between 5 and 30 sec.) It locks again by itself if the door is not open in that time.



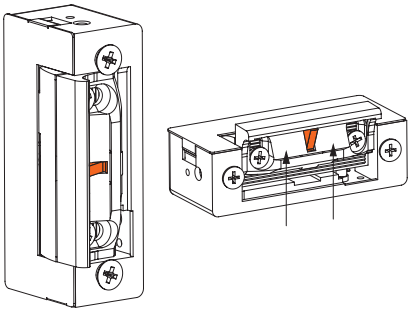


Delay Action (A, Ab, Aa)

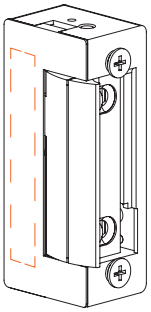
Delay action contact function allows an access when electricity is applied to the electric strike. This access does not have to be inmediate. The door remains open since electricity is applied until the door is open and closed again. Dorcas provides different delay action contact systems depending on the built in construction of the electric strikes.



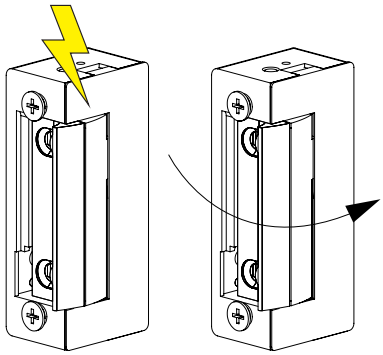
Delay action contact mechanism (A) allows the door to remain open until an access occurs. This feature is possible thanks a bolt on the front of the electric strike that is activated when electric power is supplied.



Sliding delay action contact mechanism (Ab) is a new feature built into some of the most innovative DORCAS electric strikes. The delay action contact mechanism is improved by a system that moves along with the external latch allowing the delay action system to work in any regulation of the mechanism.

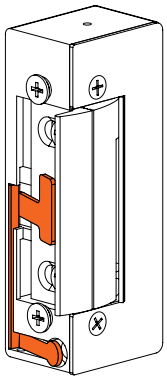


Built in delay action provides the electric strike the delay action contact function without any external piece or mechanism thanks to its internal construction. It is recommended a short electric pulse for its correct operation performance.



Fail Safe / 500

Function 500 or "fail safe". It works in a inverted way, that means that the electric strike remains open until an electric pulse closes de door. In case of power cut the doors stays open helping people to leave the building



Monitored (305)

This version has a built in microswitch with NO/NC contact informing if the door is open or closed thanks to additional wire output , then a security or access control system can use this information providing multiple applications. (alarms, access controls, gates...)

ELECTRICAL AVAILABLE FEATURES

In addition to the functions and mechanical features, most of DORCAS electric strikes are provided with different electrical functions and options depending the current type they use.



Continuously Rated (VDC)

Function known as 400 or "fail secure". It works like the standard function (N) but you can keep more over the power supply continuously, for instance with a switch. It is used as a low consumption standard mode.



VAC current

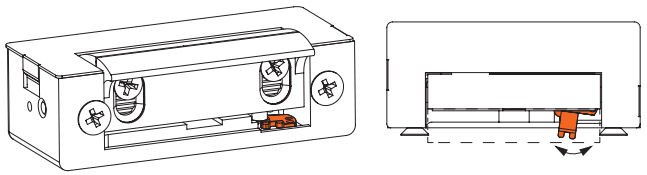
Depending on the installation type, sometimes AC working is more indicated. That is why we offer our models with that option. VAC electric strikes very short electric pulse in order to open the door.

ADDITIONAL MECHANICAL FEATURES

Besides different functions, DORCAS provides a series of additional mechanical options. This features are unlatching mechanism and adjustable jaw.

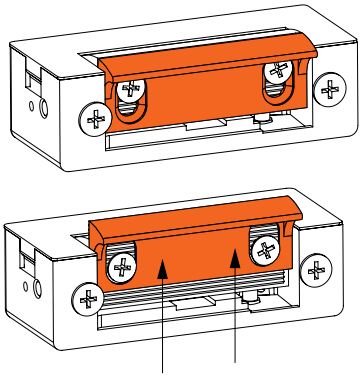
Unlatching Mechanism (D)

Unlatching mechanism lever allows to let the electric strike open permanently. If you turn it again, it recovers its normal functioning. This option is optimun for neightbourhoods, constructions…



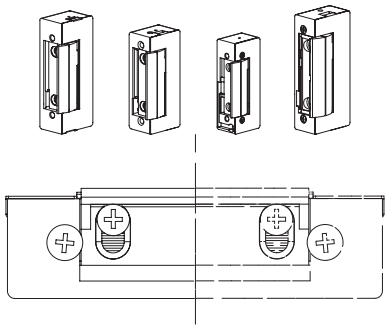
Adjustable Flex Jaw (F)

Adjustable external jaw consists in a latch divided in two parts, the external part allow to adjust the reception of the door latch in a wider range making it easier its installation.

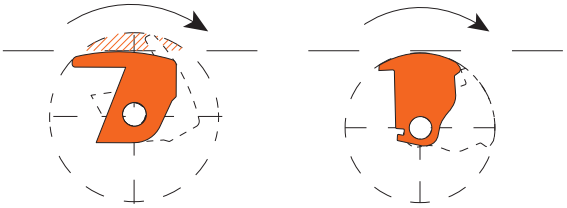


REVERSIBILITY, SYMMETRY AND RADIAL LATCH FEATURE

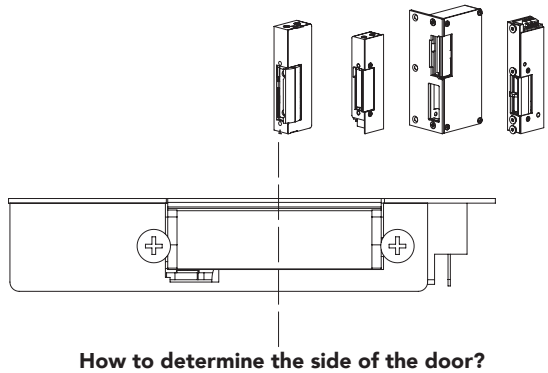
Reversibility, symmetry and radial latch feature



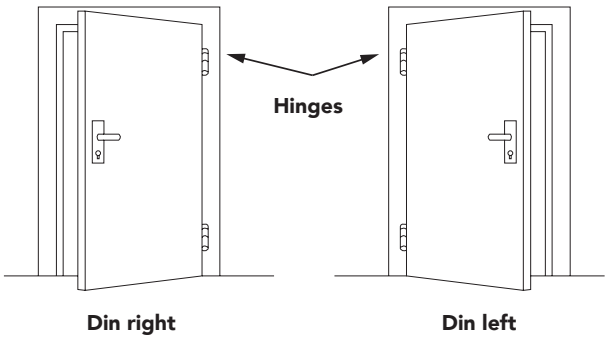
Every symmetrical electric strike, they can be installed in both Din left and Din right doors.



Radial feature incorporates a latch that spins on a displaced axis towards the bottom of the electric release allowing to reduce its movement area. The instalation is easier, more aestheic and allows a smaller cutout in the frame of the door.



How to determine the side of the door?

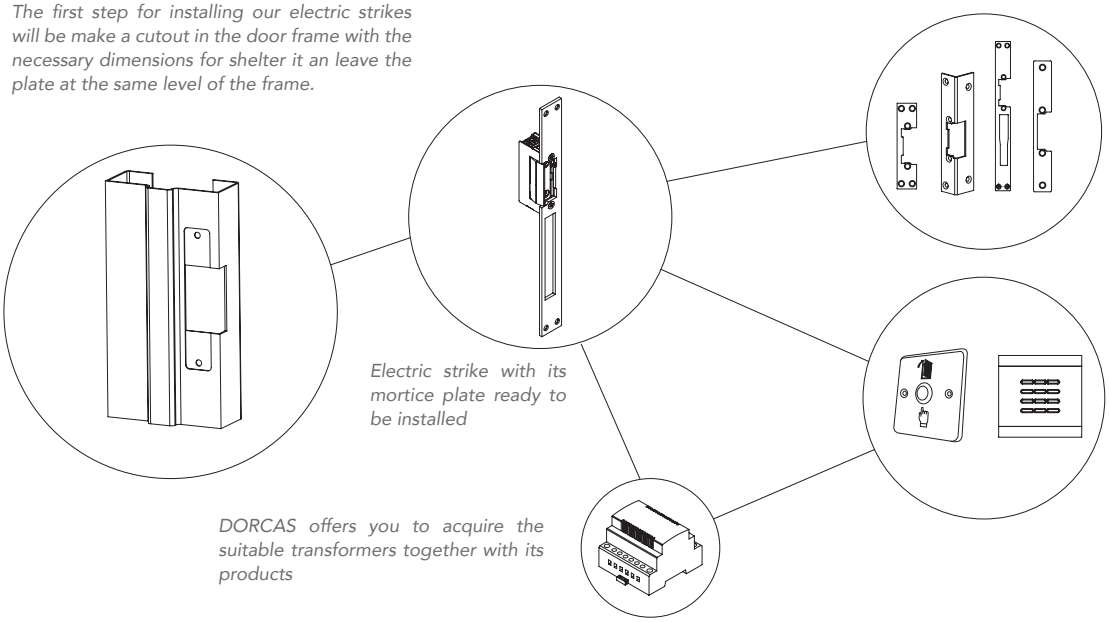


In the case of unsymmetrical electric strikes they can be reversible like 30 series or non-reversible like 77 series. For non-reversible series you will have to indicate if the door in which you are willing to install it is Din left or Din right. In this diagram you can identify what kind of door you have.

ELEMENTS IN AN ELECTRIC STRIKE INSTALLATION

Even if you are a particular or a profesional installer, all our products have been designed thinking about you in order to make easier you to work in a easy, safe and reliable way.

The first step for installing our electric strikes will be make a cutout in the door frame with the necessary dimensions for shelter it an leave the plate at the same level of the frame.

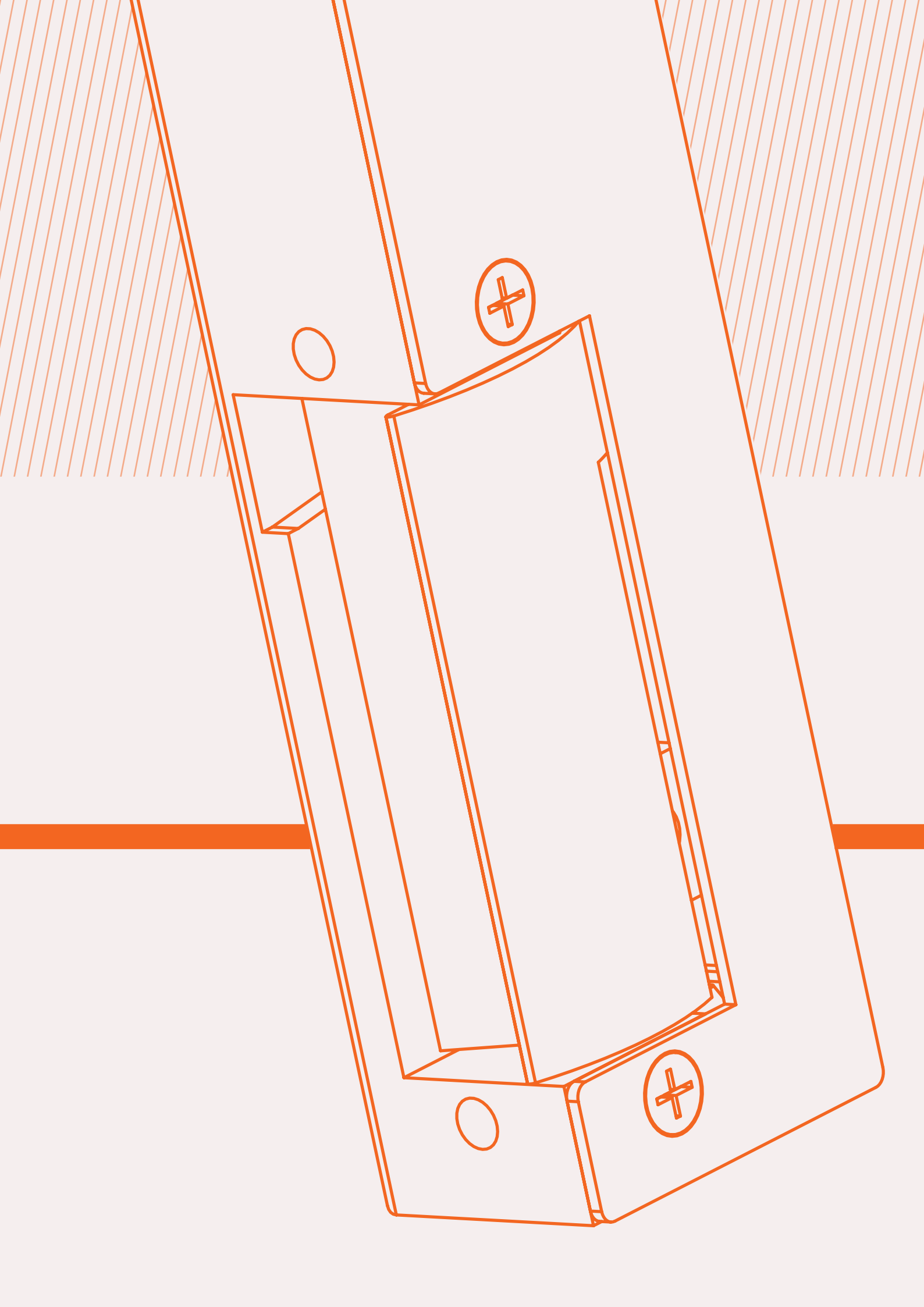


DORCAS offers you to acquire the suitable transformers together with its products

Electric strike with its mortice plate ready to be installed

DORCAS offers you to acquire the suitable transformers together with its products

DORCAS offers you as well a full range of accesories for complement and customice your installation in the way that better fits for your needs, push buttons, electric contacts, latches, magnetic locks, electric locks, door-closers…



ELECTRIC STRIKES

DORCAS

DORCAS STANDARD SERIES

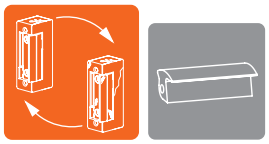
30/58 SERIES

30 Series is a very popular range in the market for many years . It´s a good solution for replacement, available in fix and adjustable jaw.

58 Series is the same as 30 series but with radial jaw.



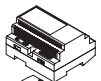
- REPLACEMENT
- ADJUSTABLE AND FIX JAW



TECHNICAL CHARACTERISTICS	30 series			58 series				
High	90,8 mm			90,8 mm				
Width	20 mm			20 mm				
Depth	28 mm			28 mm				
Setting the flex flap	+4			-1+2				
Latch depth	8,1 mm			5 mm				
Cycles tested on power electricity	300.000			300.000				
Holding force	2.950 N / 300 Kg-f			2.950 N / 300 kg-f				
Operating temperature range	-15 °C a +40°C			-15 °C a +40°C				
Diode or varistor	Optional			Optional				
Microswith	Optional							
	8-12 V			24 V	12 VDC (412)	24 VDC (424)	12 VDC (512)	24 VDC (524)
Coil resistance (Ω)	8	17	30	58	68	132	70	230
VAC power consumption (mA)	800(8V) 1200(12V)	370(8V) 560(12V)		330				
VAC power consumption (mA)	1000(8V) 1500(12V)	470(8V) 700(12V)	260(8V) 400(12V)		180 VDC	180 VDC	150 VDC	120 VDC
Working range kept current (V)				-	11-12	23-24	11-12	23-24
Maximum preload latch to open VAC (N)	30 Series 100 (12V) 58 Series 100 (12V)	-	-	-	-	-	-	-

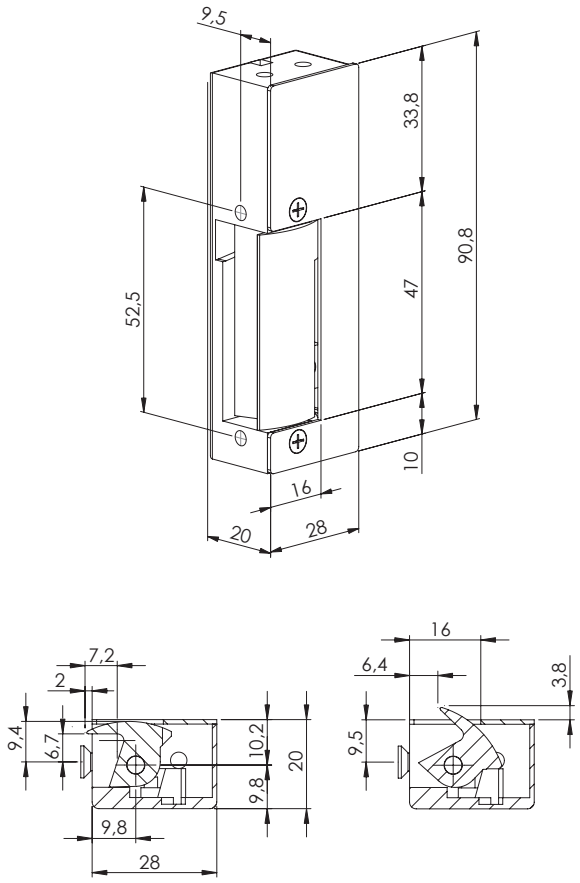
POWER SUPPLIES

For a suitable performance we recommend:

AC 12V TF3  TF5  DC 12V

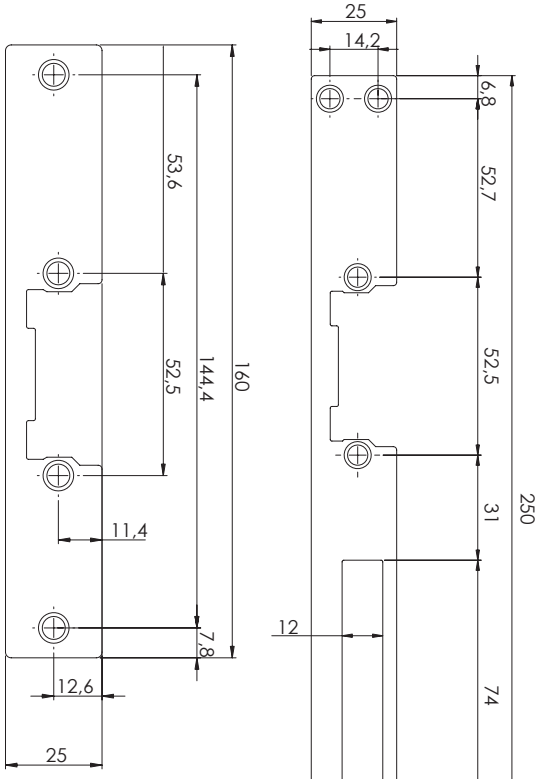
AC 24V TF8  TF7  DC 24V Accesories section page 106

MECHANISM



RECOMMENDED FLACE PLATES

S (10) G (21)



FINISHES

G Grey Powder Coating

X Stainless Steel

You can request any other finish.
Please ask for delivery time

CODE	DESCRIPTION	STANDARD	DELAY ACTION (A)	DELAY ACTION INVISIBLE (Aa)	TIMED DELAY ACTION (At)	SLIDING DELAY ACTION (Ab)	FAIL SAFE / 500	MONITORED (305)	UNLATCHING MECHANISM	ADJUSTABLE JAW	ELECTRICAL AVAILABLE FEATURES **
3001	30NF	●								●	V AC
3002	30NDF	●							●	●	V AC
3003	30AF		●							●	V AC
3004	30ADF		●						●	●	V AC
3005	30AAF			●						●	V AC
3006	30AADF			●					●	●	V AC
3007	30NF 412	●								●	12V DC
3008	30NDF 412	●							●	●	12V DC
3009	30AF 412		●							●	12V DC
3010	30ADF 412		●						●	●	12V DC
3013	30NF 512						●			●	12V DC
3015	30N	●									V AC
3016	30ND	●							●		V AC
3017	30A		●								V AC
3018	30AD		●						●		V AC
3019	30AA			●							V AC
3020	30AAD			●					●		V AC
3021	30N 412	●									12V DC
3022	30ND 412	●							●		12V DC
3023	30A 412		●								12V DC
3024	30AD 412		●						●		12V DC
3027	30N 512						●				12V DC
3029	30N 305	●						●			V AC
3030	30N 305 412	●						●			12V DC
3031	30N 305 512						●	●			12V DC

** 24V version available , simply enter 24 after the reference. Example: 3029 24
For inquiry at 104mm long body mechanism, add a "B" after the CODE. Example: 3015 B
In adjustable version, you can order radial jaw. You must write "58__" instead of "30__". Example: 5806
Standard coil is 8Ω, others available.

CODIFICATION EXAMPLE: 3001/10G
DESCRIPTION EXAMPLE: 30 NF/SG
30 Series mechanism box with normal function and regulable external jaw and plate 10 ("S" according to the description) painted in grey colour.

CODIFICATION EXAMPLE: 5804/21X
DESCRIPTION EXAMPLE: 58 ADF/GX
58 Series mechanism box with delay action, UNLATCHING MECHANISM and regulable external jaw, with plate 21 ("G" according to the description) stainless steel finish.

For more information about compatible faceplates, see page 56 and following

DORCAS STANDARD SERIES

45/44 SERIES

45 Series stands out for its non handed feature thanks to it´s symmetrical mechanism body.

45 Series is the same as 44 Series but with radial jaw.



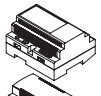
- SYMMETRICAL
- NON HANDED
- RADIAL JAW
- U2 ADJUSTABLE JAW AVAILABLE



TECHNICAL CHARACTERISTICS	45 series			44 series				
High	75,5 mm			75,5 mm				
Width	21 mm			21 mm				
Depth	28 mm			28 mm				
Setting the flex flap	4 mm			+1-1 mm				
Latch depth	5,7 mm			5,1 mm				
Cycles tested on power electricity	300.000			300.000				
Holding force	3.250 N /330 Kg-f			3.450 N / 350 kg-f				
Operating temperature range	-15 °C a +40°C			-15 °C a +40°C				
Diode or varistor	Optional			Optional				
	6-12 V	8-12 V	24 V	12 VDC (412)		24 VDC (424)	12 VDC (512)	24 VDC (524)
Coil resistance (Ω)	8	17	58	30	45	132	60	230
VAC power consumption (mA)	600(6V)	370(8V)	330					
	1200(12V)	560(12V)						
VAC power consumption (mA)	750(6V)	470(8V)		400 VDC	260 VDC	180 VDC	200 VDC	120 VDC
	1500(12V)	700(12V)						
Working range kept current (V)			-	11-12	11-12	23-24	11-12	23-24
Maximum preload latch to open VAC (N)	45 Series 400 (12V)	-	-	-	-	-	-	-
	44 Series 300 (12V)							

POWER SUPPLIES

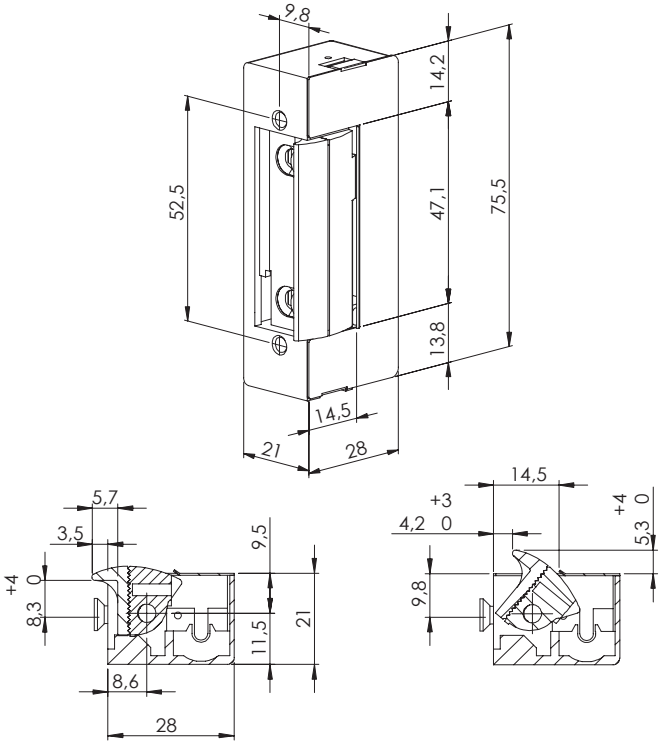
For a suitable performance we recommend:

AC 12V TF3  TF5  DC 12V

AC 24V TF8  TF7  DC 24V

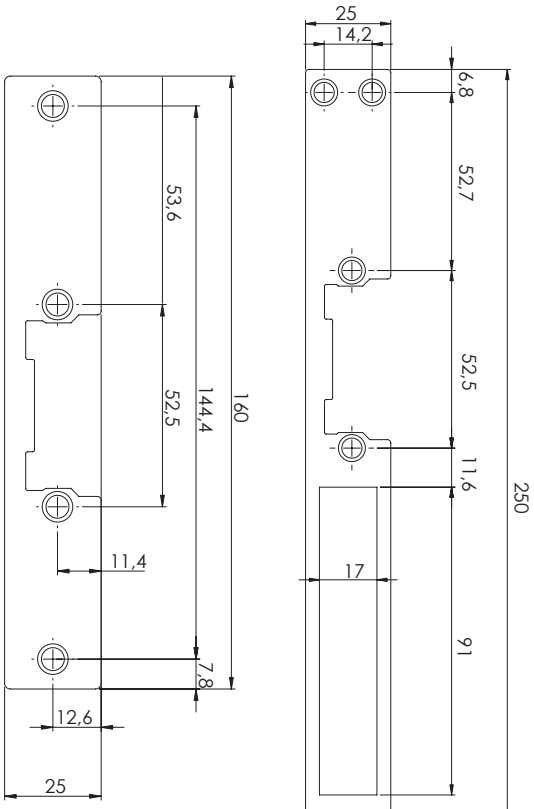
Accesories section page 106

MECHANISM



RECOMMENDED FLACE PLATES

S (10) M (22)



FINISHES

G Grey Powder Coating

X Stainless Steel

You can request any other finish.
Please ask for delivery time

CODE	DESCRIPTION	STANDARD	DELAY ACTION (A)	DELAY ACTION INVISIBLE (Aa)	TIMED DELAY ACTION (At)	SLIDING DELAY ACTION (Ab)	FAIL SAFE / 500	MONITORED (305)	UNLATCHING MECHANISM	ADJUSTABLE JAW	ELECTRICAL AVAILABLE FEATURES **
4501	45NF	●								●	V AC
4502	45NDF	●							●	●	V AC
4503	45AF		●							●	V AC
4504	45ADF		●						●	●	V AC
4505	45AAF			●						●	V AC
4506	45AADF			●					●	●	V AC
4507	45NF 412	●								●	12V DC
4508	45NDF 412	●							●	●	12V DC
4509	45AF 412		●							●	12V DC
4510	45ADF 412		●						●	●	12V DC
4513	45NF 512						●			●	12V DC
4514	45NDF 512						●		●	●	12V DC
4515	45N	●									V AC
4516	45ND	●							●		V AC
4517	45A		●								V AC
4518	45AD		●						●		V AC
4519	45AA			●							V AC
4520	45AAD			●					●		V AC
4521	45N 412	●									12V DC
4522	45ND 412	●							●		12V DC
4523	45A 412		●								12V DC
4524	45AD 412		●						●		12V DC
4527	45N 512						●				12V DC
4528	45ND 512						●	●			12V DC

** 24V version available , simply enter 24 after the CODE. Example: 4501 24
In adjustable version, you can order radial jaw. You must write "44__" instead of "45__". Example: 4401 24
In 44 SERIES, U2 external jaw is available. Enter "U2" after the CODE. Example: 4408 U2
Standard coil of 17Ω, others available.
You can order this model with different lengths of wire already assembled.

CODIFICATION EXAMPLE: 4503/10G **DESCRIPTION EXAMPLE: 45 AF/SG**	45 Series mechanism box with delay action and regulable external jaw, with plate 10 ("S" according to the description) painted in grey colour.
CODIFICATION EXAMPLE: 4404 U2/22X **DESCRIPTION EXAMPLE: 44 ADF U2/MX**	44 Series mechanism box with delay action, UNLATCHING MECHANISM, regulable external jaw, U2 external jaw and plate 22 ("M" according to the description) stainless steel finishing

For more information about compatible faceplates, see page 56 and following

New

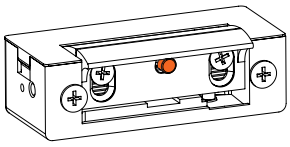
DORCAS STANDARD SERIES 54 SERIES

54 Series stands out by it´s non handed featuree. It´s small size (67 mm height) makes it particularly suitable for both replacement and new mounting. It has also an innovative system (Sliding delay action) which make easier the installation allowing the adjustment of the jaw and the delay action contact.

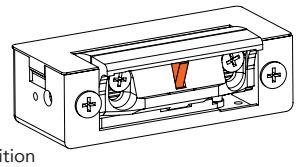


- SLIDING DELAY ACTION AVAILABLE
- REPLACEMENT
- SYMMETRICAL
- NON HANDED
- MINIMUM SIZE

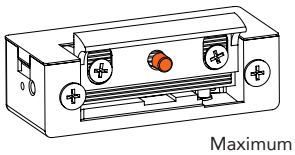
Delay Action (A)

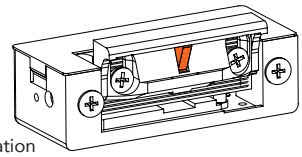


Slinding delay Action (Ab)

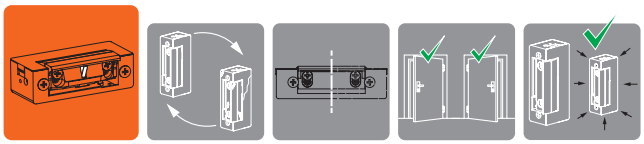


Standard position





Maximum regulation



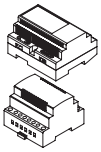
TECHNICAL CHARACTERISTICS								
High	67 mm							
Width	20,5 mm							
Depth	28 mm							
Setting the flex flap	3 mm							
Latch depth	5,8 mm							
Cycles tested on power electricity	300.000							
Holding force	3.250 N / 330 Kg-f							
Operating temperature range	-15 °C a +40°C							
Diode or varistor	Optional							
	8-12 V		24 V	12 VDC (412)		24 VDC (424)	12 VDC (512)	24 VDC (524)
Coil resistance (Ω)	8	17	58	30	45	132	60	230
VAC power consumption (mA)	800(8V)	370(8V)	330					
	1200(12V)	560(12V)						
Consumption stabilized VDC (mA)	1000(8V)	470(8V)		400 VDC	260 VDC	180 VDC	200 VDC	120 VDC
	1500(12V)	700(12V)						
Working range kept current (V)			-	11-12	11-12	23-24	11-12	23-24
Maximum preload latch to open VAC (N)	130 (12V)	-	-	-	-	-	-	-

POWER SUPPLIES

For a suitable performance we recommend:

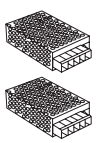
AC 12V TF3

AC 24V TF8



TF5

TF7

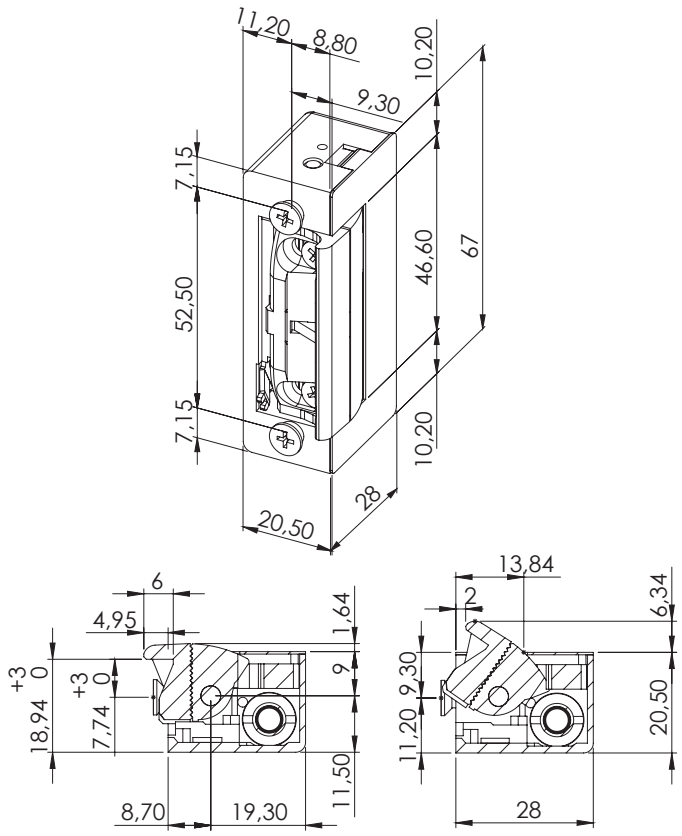


DC 12V

DC 24V

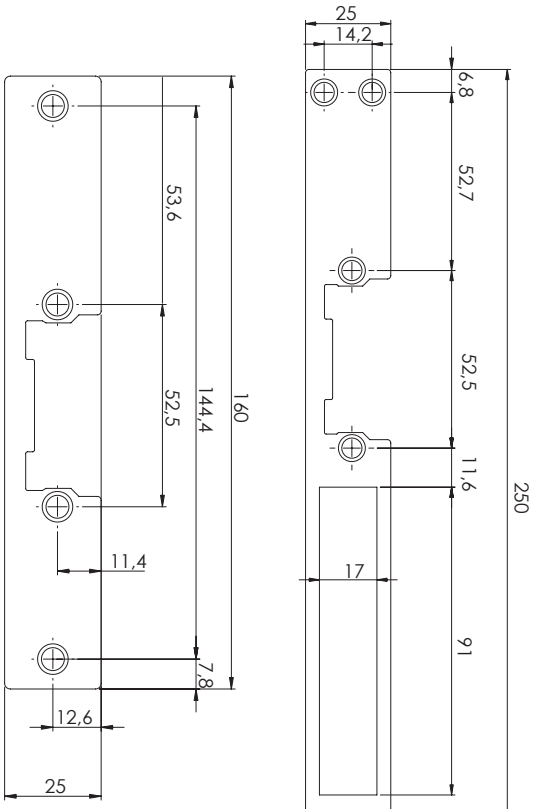
Accesories section page 106

MECHANISM



RECOMMENDED FLACE PLATES

S (10) M (22)



FINISHES

G Grey Powder Coating

X Stainless Steel

You can request any other finish.
Please ask for delivery time

CODE	DESCRIPTION	STANDARD	DELAY ACTION (A)	DELAY ACTION INVISIBLE (Aa)	TIMED DELAY ACTION (At)	SLIDING DELAY ACTION (Ab)	FAIL SAFE / 500	MONITORED (305)	UNLATCHING MECHANISM	ADJUSTABLE JAW	ELECTRICAL AVAILABLE FEATURES **
5401	54NF	●								●	V AC
5402	54NDF	●							●	●	V AC
5403	54AF		●							●	V AC
5404	54ADF		●						●	●	V AC
5405	54AAF			●						●	V AC
5406	54AADF			●					●	●	V AC
5438	54ABF				●					●	V AC
5439	54ABDF				●				●	●	V AC
5407	54NF 412	●								●	12V DC
5408	54NDF 412	●							●	●	12V DC
5409	54AF 412		●							●	12V DC
5410	54ADF 412		●						●	●	12V DC
5440	54ABF 412				●					●	12V DC
5441	54ABDF 412				●				●	●	12V DC
5413	54NF 512						●			●	12V DC

** 24V version available , simply enter 24 after the CODE. Example: 5401 24
Standard coil of 17Ω, others available..

CODIFICATION EXAMPLE: 5402/22G
DESCRIPTION EXAMPLE: 54 NDF/MG

54 Series mechanism box with normal function, UNLATCHING MECHANISM, regulable external jaw and plate 22 ("M" according to the description) painted in grey colour

For more information about compatible faceplates, see page 56 and following

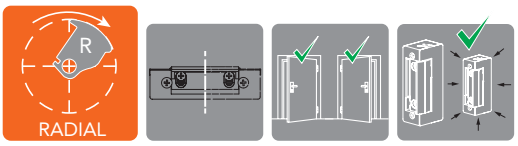
DORCAS STANDARD SERIES

41 SERIES

41 series are specific radial electric door release for all kinds of profiles like aluminum and PVC doors thanks to it´s small and slim body mechanism (16.4 mm wide)



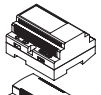
- RADIAL JAW
- SYMMETRICAL
- NON HANDED
- MINIMUM SIZE



TECHNICAL CHARACTERISTICS								
High	67 mm							
Width	16,4 mm							
Depth	28 mm							
Setting the flex flap	+1-1 mm							
Latch depth	6 mm							
Cycles tested on power electricity	300.000							
Holding force	3.000 N / 310 Kg-f							
Operating temperature range	-15 °C a +40°C							
Diode or varistor	Optional							
	8-12 V		24 V	12 VDC (412)		24 VDC (424)	12 VDC (512)	24 VDC (524)
Coil resistance (Ω)	8	17	58	30	45	132	60	230
VAC power consumption (mA)	800(8V)	370(8V)	330					
	1200(12V)	560(12V)						
Consumption stabilized VDC (mA)	1000(8V)	470(8V)		400 VDC	260 VDC	180 VDC	200 VDC	120 VDC
	1500(12V)	700(12V)						
Working range kept current (V)			-	11-12	11-12	23-24	11-12	23-24
Maximum preload latch to open VAC (N)	400 (12V)	-	-	-	-	-	-	-

POWER SUPPLIES

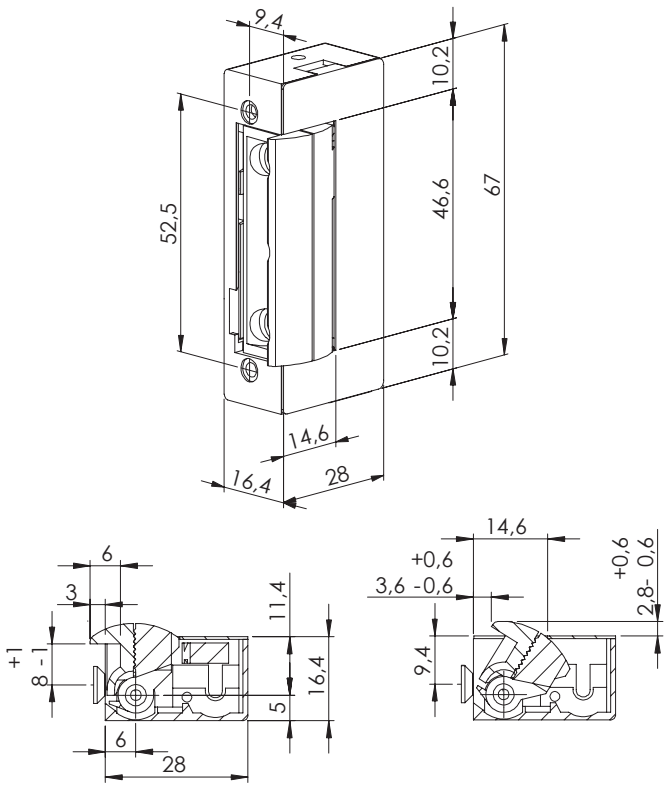
For a suitable performance we recommend:

AC 12V TF3  TF5  DC 12V

AC 24V TF8  TF7  DC 24V

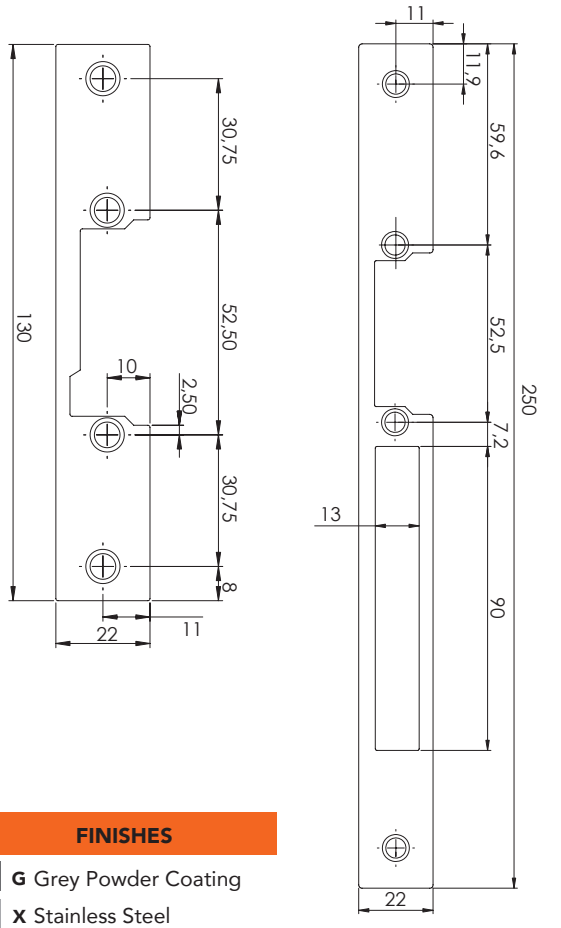
Accesories section page 106

MECHANISM



RECOMMENDED FLACE PLATES

P22mm (13) — L22mm (24)



FINISHES

G Grey Powder Coating

X Stainless Steel

You can request any other finish.
Please ask for delivery time

CODE	DESCRIPTION	STANDARD	DELAY ACTION (A)	DELAY ACTION INVISIBLE (Aa)	TIMED DELAY ACTION (At)	SLIDING DELAY ACTION (Ab)	FAIL SAFE / 500	MONITORED (305)	UNLATCHING MECHANISM	ADJUSTABLE JAW	ELECTRICAL AVAILABLE FEATURES **
4101	41NF	●								●	V AC
4102	41NDF	●							●	●	V AC
4103	41AF		●							●	V AC
4104	41ADF		●						●	●	V AC
4105	41AAF			●						●	V AC
4106	41AADF			●					●	●	V AC
4107	41NF 412	●								●	12V DC
4108	41NDF 412	●							●	●	12V DC
4109	41AF 412		●							●	12V DC
4110	41ADF 412		●						●	●	12V DC
4113	41NF 512						●			●	12V DC

** 24V version available , simply enter 24 after the CODE. Example: 4109 24
Standard coil of 17Ω, others available.

CODIFICATION EXAMPLE: 4105/13X
DESCRIPTION EXAMPLE: 41 AAF/P 22X

41 Series mechanism box with built in delay action, regulable external jaw and plate 13 ("P 22" according to the description) stainless steel finishing

For more information about compatible faceplates, see page 56 and following

DORCAS STANDARD SERIES

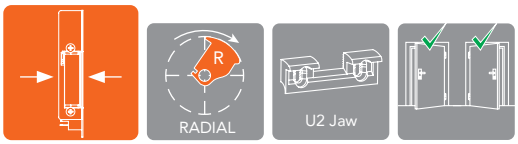
42/43 SERIES

42 Series is a handed electric door release with a slim body of 16,5 mm wide.

43 Series is the same as 42 Series but with radial jaw.



- SLIM BODY
- DIFFERENT SPRING JAW OPENING FORCE AVAILABLE
- RADIAL JAW
- U2 ADJUSTABLE JAW AVAILABLE



TECHNICAL CHARACTERISTICS	42 series	43 series	
High	90 mm	90 mm	
Width	16,5 mm	16,5 mm	
Depth	28 mm	28 mm	
Setting the flex flap	4 mm	+1-1 mm	
Latch depth	5,8 mm	6,1 mm	
Cycles tested on power electricity	300.000	300.000	
Holding force	2.450 N / 250 Kg-f	2.750 N / 280 Kg-f	
Operating temperature range	-15 °C a +40°C	-15 °C a +40°C	
Diode or varistor	Optional	Optional	
	8-12 V	12 VDC (412)	24 VDC (424)
Coil resistance (Ω)	8	68	230
VAC power consumption (mA)	800(8V)		
	1200(12V)		
Consumption stabilized VDC (mA)	1000(8V)	180 VDC	120 VDC
	1.500(12V)		
Working range kept current (V)		11-12	23-24
Maximum preload latch to open VAC (N)	42 Series 250 (12V)	-	-
	43 Series 500 (12V)		

POWER SUPPLIES

For a suitable performance we recommend:

AC 12V TF3





TF5 DC 12V

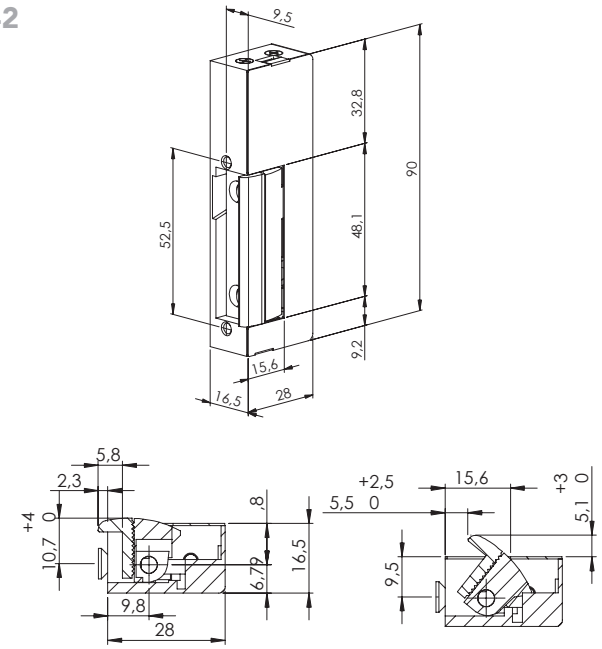


TF7 DC 24V

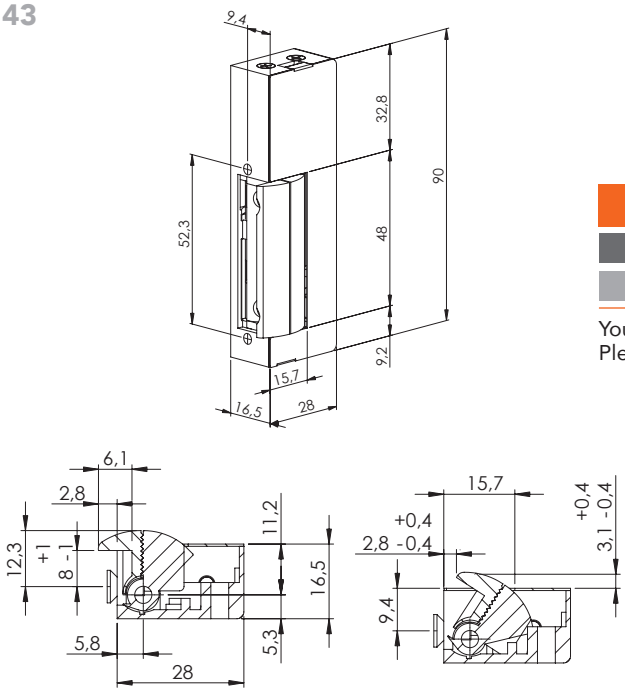
Accesories section page 106

MECHANISM

42

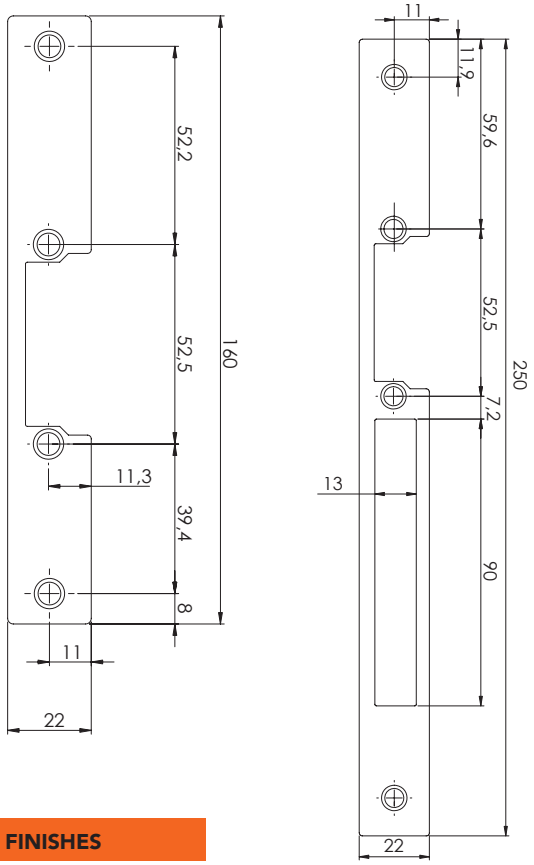


43



RECOMMENDED FLACE PLATES

S22mm (11) — **L22mm** (24)



FINISHES

G Grey Powder Coating

X Stainless Steel

You can request any other finish.
Please ask for delivery time

CODE	DESCRIPTION		STANDARD	DELAY ACTION (A)	DELAY ACTION INVISIBLE (Aa)	TIMED DELAY ACTION (At)	SLIDING DELAY ACTION (Ab)	FAIL SAFE / 500	MONITORED (305)	UNLATCHING MECHANISM	ADJUSTABLE JAW	ELECTRICAL AVAILABLE FEATURES **
4201 D	42NF	DIN right	●								●	V AC
4201 I	42NF	DIN left	●								●	V AC
4202 D	42NDF	DIN right	●							●	●	V AC
4202 I	42NDF	DIN left	●							●	●	V AC
4205 D	42AAF	DIN right		●							●	V AC
4205 I	42AAF	DIN left		●							●	V AC
4206 D	42AADF	DIN right		●						●	●	V AC
4206 I	42AADF	DIN left		●						●	●	V AC
4207 D	42NF 412	DIN right	●								●	12V DC
4207 I	42NF 412	DIN left	●								●	12V DC
4208 D	42NDF 412	DIN right	●							●	●	12V DC
4208 I	42NDF 412	DIN left	●							●	●	12V DC

** 24V version available , simply enter 24 after the CODE. Example: 4207D 24
Radial jaw is available. Enter 43_ _ instead 42_ _. Example: 4307D 24
In 43 SERIES, U2 external jaw is available. Enter "U2" after the CODE. Example: 4308D U2
Standard coil of 8Ω, others available.

CODIFICATION EXAMPLE: 4201D/13G
DESCRIPTION EXAMPLE: 42 NF D/P 22G
42 Series mechanism box with normal function, regulable external jaw and plate 11 ("S22" according to the description) painted in grey colour

CODIFICATION EXAMPLE: 4305D 24/24X
DESCRIPTION EXAMPLE: 43 AAF 24 D/L 22X
43 Series mechanism box with built in delay action, regulable external jaw, 24V function and plate 24 ("L 22" according to the description) stainless steel finishing

For more information about compatible faceplates, see page 56 and following

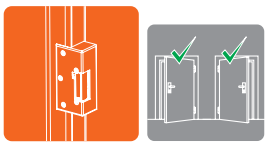
DORCAS STANDARD SERIES

20/21/27 SERIES

Surface (20 Series) and rim (21 Series) electric door release specially designed for nightjawes. 27 Series with a mortice plate "S" allows rim and mortice installation in one reference only. Blister packaging available.



- RIM MOUNTING
- NON HANDED



TECHNICAL CHARACTERISTICS	20 series	21 series	27 series
High	145 mm	107 mm	106 mm
Width	37 mm	52 mm	50 mm
Depth	25 mm	25 mm	33,5 mm
Setting the flex flap	4 mm	4 mm	3 mm
Latch depth	9,48 mm	9,48 mm	5,8
Cycles tested on power electricity	300.000	300.000	300.000
Holding force	2.950 N / 300 kg-f	2.950 N / 300 kg-f	2.950 N / 300 kg-f
Operating temperature range	-15 °C a +40°C	-15 °C a +40°C	-15 °C a +40°C
Diode or varistor	Optional	Optional	Optional

	8-12 V			24 V	12 VDC (412)	24 VDC (424)	12 VDC (512)	24 VDC (524)
Coil resistance (Ω)	8	17	30	58	68	132	60	230
VAC power consumption (mA)	800(8V) 1200(12V)	370(8V) 560(12V)	260(8V) 400(12V)					
Consumption stabilized VDC (mA)	1000(8V) 1500(12V)	470(8V) 700(12V)		330	260 VDC	180 VDC	200 VDC	120 VDC
Working range kept current (V)			-	11-12	11-12	23-24	11-12	23-24
Maximum preload latch to open VAC (N)	20 Series 100 (12V) 21 Series 100 (12V) 27 Series 130 (12V)	-	-	-	-	-	-	-

POWER SUPPLIES

For a suitable performance we recommend:

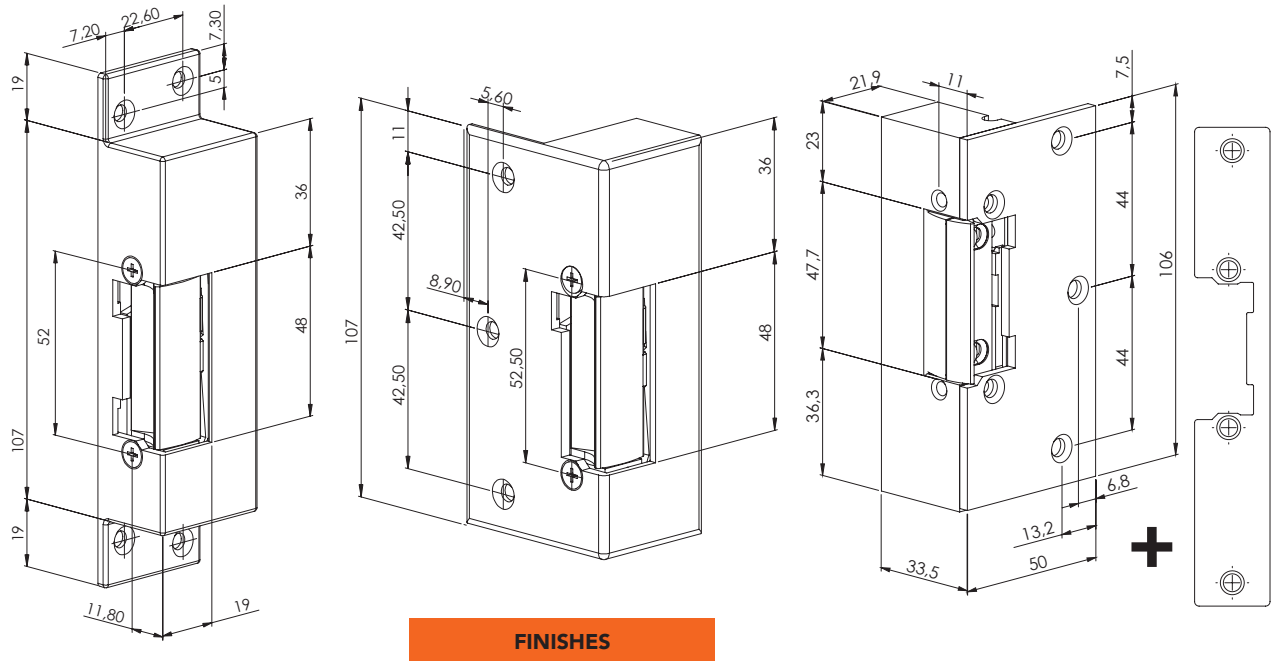
AC 12V TF3  TF5  DC 12V

AC 24V TF8  TF7  DC 24V

Accesories section page 106

DRAWINGS

20 21 27



FINISHES

G Grey Powder Coating (206)(207)(203)

C Chrome plated (201)(205)

O Brass Golded (202)(204)

CODE	DESCRIPTION	STANDARD	DELAY ACTION (A)	DELAY ACTION INVISIBLE (Aa)	TIMED DELAY ACTION (At)	SLIDING DELAY ACTION (Ab)	FAIL SAFE / 500	MONITORED (305)	UNLATCHING MECHANISM	ADJUSTABLE JAW	ELECTRICAL AVAILABLE FEATURES **
2013	N206 512-N201 512-N202 512					●					12 VDC
2015	N206-N201-N202	●									V AC
2016	ND206-ND201-ND202	●						●			V AC
2017	A206-A201-A202		●								V AC
2018	AD206-AD201-AD202		●					●			V AC
2021	N206 412-N201 412-N202 412	●									12V DC
2022	ND206 412-ND201 412-ND202 412	●						●			12V DC
2023	A206 412-A201 412-A202 412		●								12V DC
2024	AD206 412-AD201 412-AD202 412		●					●			12V DC
2113	N207 512-N205 512-N204 512					●					12V DC
2115	N207-N205-N204	●									V AC
2116	ND207-ND205-ND204	●						●			V AC
2117	A207-A205-A204		●								V AC
2118	AD207-AD205-AD204		●					●			V AC
2121	N207 412-N205 412-N204 412	●									12V DC
2122	ND207 412-ND205 412-ND204 412	●						●			12V DC
2123	A207 412-A205 412-A204 412		●								12V DC
2124	AD207 412-AD205 412-AD204 412		●					●			12V DC
2713	N203 512					●					12V DC
2715	N203	●									V AC
2716	ND203	●						●			V AC
2717	A203		●								V AC
2718	AD203		●					●			V AC
2721	N203 412	●									12V DC
2722	ND203 412	●						●			12V DC
2723	A203 412		●								12V DC
2724	AD203 412		●					●			12V DC

*** 24V version available , simply enter 24 after the CODE. Example: 2022 24*

Cover included

Standard coil of 8Ω, others available.

Every model available with adjustable external jaw. Write "F" after the description

CODIFICATION EXAMPLE: 2021/O **DESCRIPTION EXAMPLE: 202 N 412/O**	20 Series mechanism box with normal function with a brass plated finishing cover
CODIFICATION EXAMPLE: 2116/C **DESCRIPTION EXAMPLE: 205 A/C**	21 Series mechanism box with normal function with unlatching mechanism and chrome plated finishing cover

For more information about compatible faceplates, see page 56 and following

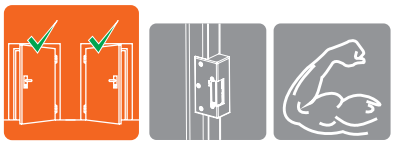
DORCAS STANDARD SERIES

22/23 SERIES

Non handed rim electric releases for installation with horizontal deadbolt lock (22 Series) or vertical deadbolt lock (23 Series). For locks thicker than 22 mm please see references with letter "B"

- NON HANDED
- RIM MOUNTING
- STRONG





TECHNICAL CHARACTERISTICS	22 series		23 series				
High	96 mm		122 mm				
Width	33 mm		54 mm				
Depth	54 mm		54 mm				
Setting the flex flap	-		-				
Latch depth	7,7 mm		5,6 mm				
Cycles tested on power electricity	200.000		200.000				
Holding force	1.960 N/ 200 Kg-f		1.960 N/ 200 Kg-f				
Operating temperature range	-15 °C a +40°C		-15 °C a +40°C				
Diode or varistor	Optional		Optional				
	8-12 V		24 V	12 VDC (412)	24 VDC (424)	12 VDC (512)	24 VDC (524)
Coil resistance (Ω)	8	30	58	68	132	60	230
VAC power consumption (mA)	800(8V) 1200(12V)		330				
Consumption stabilized VDC (mA)	1000(8V) 1500(12V)	260(8V) 400(12V)		180 VDC	180 VDC	200 VDC	120 VDC
Working range kept current (V)		-	-	11-12	23-24	11-12	23-24
Maximum preload latch to open VAC (N)	-	-	-	-	-	-	-

POWER SUPPLIES

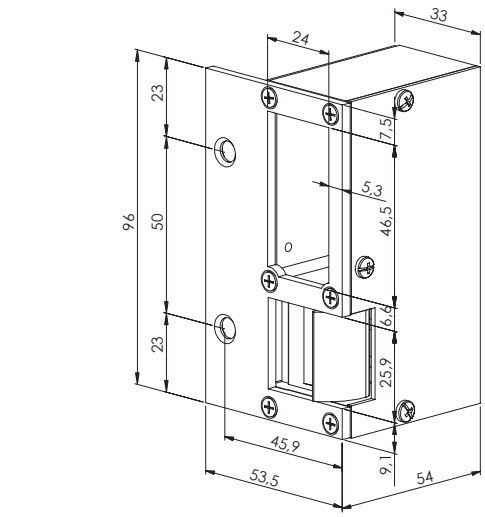
For a suitable performance we recommend:

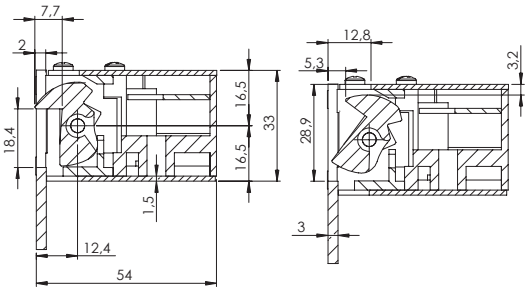
AC 12V TF3  TF5  DC 12V

AC 24V TF8  TF7  DC 24V Accesories section page 106

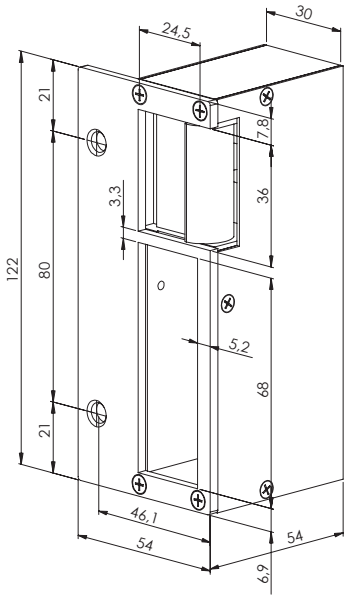
DRAWINGS

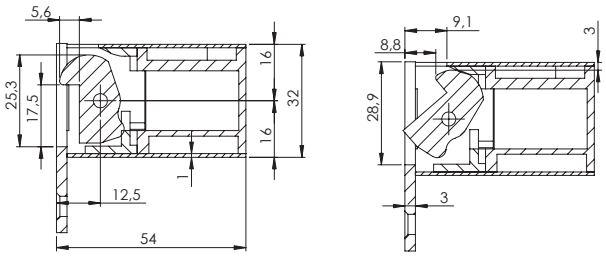
22





23





FINISHES

G Grey Powder Coating

CODE	DESCRIPTION	STANDARD	DELAY	ACTION (A)	DELAY ACTION	INVISIBLE (Aa)	TIMED DELAY	ACTION (At)	SLIDING DELAY	ACTION (Ab)	FAIL SAFE / 500	MONITORED (305)	UNLATCHING	MECHANISM	ADJUSTABLE JAW	ELECTRICAL AVAILABLE FEATURES **
2215	22HN	●														V AC
2242	22HBN***	●														V AC
2217	22HAA		●													V AC
2243	22HBAA***		●													V AC
2221	22HN 412	●														12V DC
2244	22HBN 412***	●														12V DC
2227	22HN 512									●						12V DC
2246	22HBN 512***									●						12V DC
2315	23VN	●														V AC
2342	23VBN***	●														V AC
2321	23VN 412	●														12V DC
2344	23VBN 412***	●														12V DC
2327	23VN 512									●						12V DC
2346	23VBN 512***									●						12V DC

** 24V version available , simply enter 24 after the CODE. Example: *2215 24*

**** References HBN, HBAA, HBN 412, HBN 512, VBN, VBAA, VBN 412 y VBN 512 are suitable for less than 22mm thickness locks.*

Standard coil of 8Ω, others available.

CODIFICATION EXAMPLE: 2217/G **DESCRIPTION EXAMPLE: HAA/G**	22 Rim installation electric release for horizontal (type 125) locks, built in delay action and grey colour cover
CODIFICATION EXAMPLE: 2342/G **DESCRIPTION EXAMPLE: VBN/G**	23 Rim installation electric release for vertical (type 58) locks of thickness above 22 mm with normal function and grey colour cover

For more information about compatible faceplates, see page 56 and following

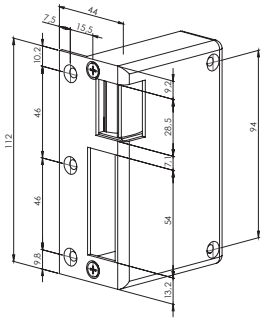
DORCAS STANDARD SERIES

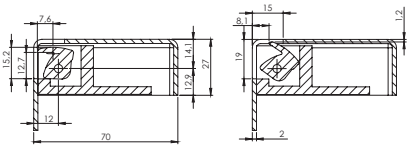
65 SERIES



65 Series is suitable for rim deadbolt locks. Handed and designed for outdoor installations

- OUTDOOR INSTALLATIONS
- NON HANDED
- RIM MOUNTING





FINISHES

G Grey Powder Coating



TECHNICAL CHARACTERISTICS

High	112 mm			
Width	44 mm			
Depth	70 mm			
Setting the flex flap	-			
Latch depth	7,6 mm			
Cycles tested on power electricity	200.000			
Holding force	2.950 N/ 300 Kg-f			
Operating temperature range	-15 °C a +40°C			
Diode or varistor	Optional			
	8-12 V	24 V	12 VDC (412)	24 VDC (424)
Coil resistance (Ω)	8	58	68	132
VAC power consumption (mA)	800(8V) 1200(12V)	330		
Consumption stabilized VDC (mA)	1000(8V) 1500(12V)		180 VDC	180 VDC
Working range kept current (V)		-	11-12	23-24
Maximum preload latch to open VAC (N)	-	-	-	-

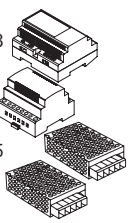
CODE	DESCRIPTION		STANDARD	DELAY ACTION (A)	DELAY ACTION INVISIBLE (Aa)	TIMED DELAY ACTION (At)	SLIDING DELAY ACTION (Ab)	FAIL SAFE / 500	MONITORED (305)	UNLATCHING MECHANISM	ADJUSTABLE JAW	ELECTRICAL AVAILABLE FEATURES **
6515 D	65021 (N)	DIN right	●									V AC
6515 I	65021 (N)	DIN left	●									V AC
6519 D	65023 (AA)	DIN right		●								V AC
6519 I	65023 (AA)	DIN left		●								V AC
6521 D	65021 412 (N)	DIN right	●									12V DC
6521 I	65021 412 (N)	DIN left	●									12V DC
6527 D	65021 512 (N)	DIN right					●					12V DC
6527 I	65021 512 (N)	DIN left					●					12V DC

** 24V version available , simply enter 24 after the CODE. Example: *6515 D 24*
Cover included
Standard coil of 8Ω, others available.

POWER SUPPLIES
Accesories section page 106

For a suitable performance we recommend:

AC 12V	TF3
AC 24V	TF8
DC 12V	TF5
DC 24V	TF7



CODIFICATION EXAMPLE: 6527 D/G
EJ. DE DESCRIPTION: 65021 N 512 D/G

65 Mechanism box with fail safe function and grey colour cover

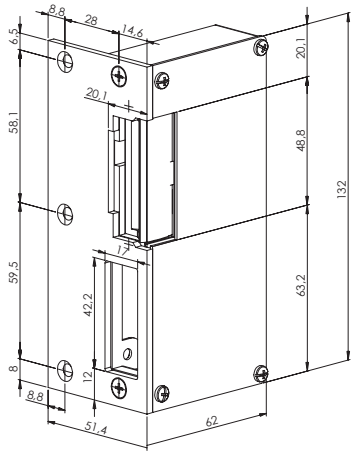
DORCAS STANDARD SERIES

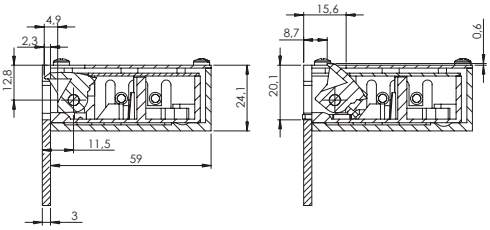
66 SERIES



66 Series is suitable for mostly all kind of deadbolt locks in the market. It is very easy to install thanks to its reversibility.

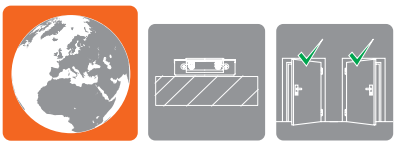
- UNIVERSAL
- RIM MOUNTING
- NON HANDED





FINISHES

- **G** Grey Powder Coating
- **N** Black Powder Coating



TECHNICAL CHARACTERISTICS

High	64 mm							
Width	18,2 mm							
Depth	55 mm							
Setting the flex flap	-							
Latch depth	10 mm							
Cycles tested on power electricity	250.000							
Holding force	2.950 N/ 300 Kg-f							
Operating temperature range	-15 °C a +40°C							
Diode or varistor	Optional							
	8-12 V			24 V	12 VDC (412)	24 VDC (424)	12 VDC (512)	24 VDC (524)
Coil resistance (Ω)	8	17	30	58	68	132	70	230
VAC power consumption (mA)	800(8V) 1200(12V)	370(8V) 560(12V)		330				
Consumption stabilized VDC (mA)	1000(8V) 1500(12V)	470(8V) 700(12V)	400		180 VDC	180 VDC	150 VDC	120 VDC
Working range kept current (V)			-	-	11-12	23-24	11-12	23-24
Maximum preload latch to open VAC (N)	100(12V)	-	-	-	-	-	-	-

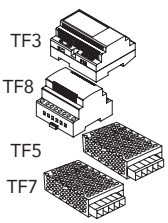
CODE	DESCRIPTION	STANDARD	DELAY ACTION (A)	DELAY ACTION INVISIBLE (Aa)	TIMED DELAY ACTION (At)	SLIDING DELAY ACTION (Ab)	FAIL SAFE / 500	MONITORED (305)	UNLATCHING MECHANISM	ADJUSTABLE JAW	ELECTRICAL AVAILABLE FEATURES **
6615	60021 (N)	●									V AC
6616	60022 (ND)	●						●			V AC
6617	60023 (A)		●								V AC
6618	60024 (AD)		●					●			V AC
6621	60021 (N 412)	●									12V DC
6622	60022 (ND 412)	●						●			12V DC
6623	60023 (A 412)		●								12V DC
6624	60024 (AD 412)		●					●			12V DC
6627	60021 (N 512)					●					12V DC

** 24V version available , simply enter 24 after the CODE. Example: *6627 24*
Standard coil of 8Ω, others available.

POWER SUPPLIES
Accesories section page 106

For a suitable performance we recommend:

AC 12V	TF3
AC 24V	TF8
DC 12V	TF5
DC 24V	TF7



CODIFICATION EXAMPLE: 6622/N
EJ. DESCRIPTION: 60022 (ND 412)/N

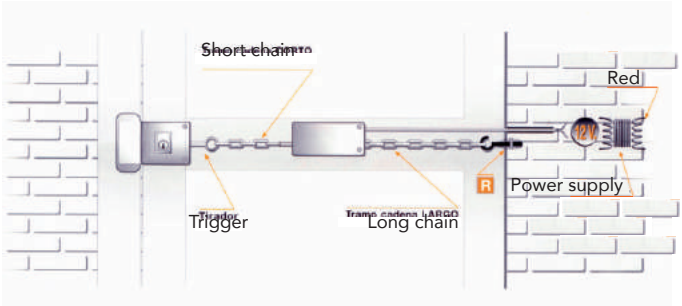
66 Mechanism box with fail secure function, unlatching mechanism, painted in black colour

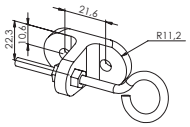
DORCAS STANDARD SERIES

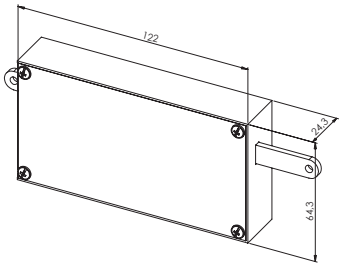
80 SERIES

80 series are electric release with chain. It is the best and cheapest way to make the opening of a door automatically where a knob lock is fitted.









FINISHES

G Grey Powder Coating

TECHNICAL CHARACTERISTICS

High	64,3 mm
Width	122 mm
Depth	24,3 mm
Setting the flex flap	-
Latch depth	-
Cycles tested on power electricity	250.000
Holding force	-
Operating temperature range	-15 °C a +40°C
Diode or varistor	-
	8-12 V
Coil resistance (Ω)	8
VAC power consumption (mA)	800(8V)
	1200(12V)
Consumption stabilized VDC (mA)	
Working range kept current (V)	
Maximum preload latch to open VAC (N)	-

CODE	DESCRIPTION	STANDARD	DELAY	ACTION (A)	DELAY ACTION INVISIBLE (Aa)	TIMED DELAY ACTION (At)	SLIDING DELAY ACTION (Ab)	FAIL SAFE / 500	MONITORED (305)	UNLATCHING MECHANISM	ADJUSTABLE JAW	ELECTRICAL AVAILABLE FEATURES **
8017	N80		●									V AC

** 24V version available , simply enter 24 after the CODE. Example: *8015 24*
Standard coil of 8Ω, others available.

POWER SUPPLIES
Accesories section page 106

For a suitable performance we recommend:

AC 12V TF3



CODIFICATION EXAMPLE: 8017/G
DESCRIPTION EXAMPLE: N 80

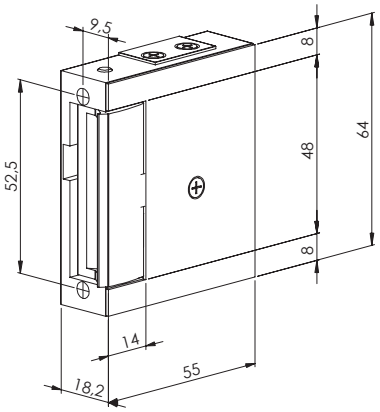
Chain electric release in grey colour

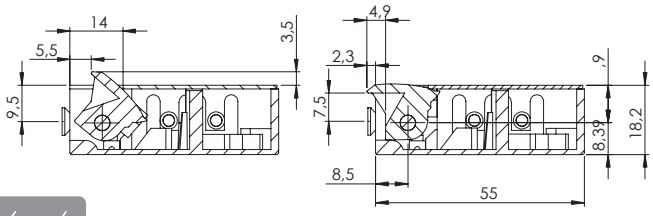
DORCAS STANDARD SERIES 34 SERIES

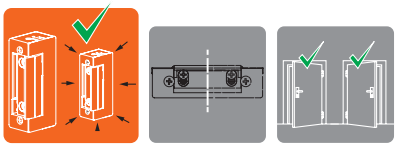


Non handed 34 Series with slim and small body mechanism.

- MINIMUM SIZE
- SYMMETRICAL
- NON HANDED







TECHNICAL CHARACTERISTICS

High	64 mm							
Width	18,2 mm							
Depth	55 mm							
Setting the flex flap	-							
Latch depth	10 mm							
Cycles tested on power electricity	300.000							
Holding force	2.950 N/ 300 Kg-f							
Operating temperature range	-15 °C a +40°C							
Diode or varistor	Optional							
	8-12 V			24 V	12 VDC (412)	24 VDC (424)	12 VDC (512)	24 VDC (524)
Coil resistance (Ω)	8	17	30	58	68	132	70	230
VAC power consumption (mA)	800(8V)	370(8V)		330				
	1200(12V)	560(12V)						
Consumption stabilized VDC (mA)	1000(8V)	470(8V)	400		180 VDC	180 VDC	150 VDC	120 VDC
	1500(12V)	700(12V)						
Working range kept current (V)			-	-	11-12	23-24	11-12	23-24
Maximum preload latch to open VAC (N)	100(12V)	-	-	-	-	-	-	-

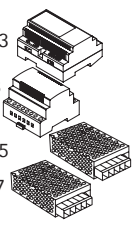
CODE	DESCRIPTION	STANDARD	DELAY	ACTION (A)	DELAY ACTION	INVISIBLE (Aa)	TIMED DELAY	ACTION (At)	SLIDING DELAY	ACTION (Ab)	FAIL SAFE / 500	MONITORED (305)	UNLATCHING	MECHANISM	ADJUSTABLE JAW	ELECTRICAL AVAILABLE FEATURES **
3415	66 N	●														V AC
3416	66 ND	●										●				V AC
3417	66 A		●													V AC
3418	66 AD		●									●				V AC
3421	66 N 412	●														12V DC
3422	66 ND 412	●										●				12V DC
3423	66 A 412		●													12V DC
3424	66 AD 412		●									●				12V DC
3427	66 N 512									●		●				12V DC

** 24V version available , simply enter 24 after the CODE. Example: *3421 24*
Standard coil of 8Ω, others available.

POWER SUPPLIES
Accesories section page 106

For a suitable performance we recommend:

AC 12V	TF3
AC 24V	TF8
DC 12V	TF5
DC 24V	TF7



CODIFICATION EXAMPLE: 3415/22X
DESCRIPTION EXAMPLE: 66 N/MX

34 Series mechanism box with normal function and plate 22 ("M" according to description) stainless steel finishing

New

HI-TECH

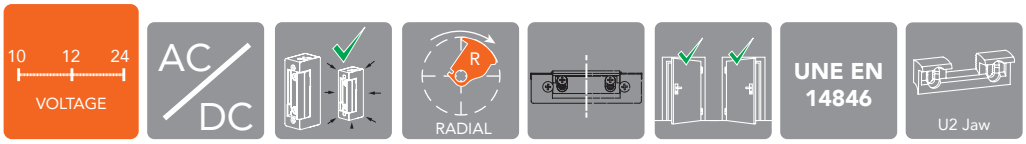
DORCAS SPECIAL SERIES 99 SERIES

MULTIVOLTAGE

99 Series and its versions has been made with the latest technology. It allows an easy installation for all kind of door profiles thanks to its reduced size (25,5 mm depth) and it´s opening voltage of 10-24 V.



- MULTIVOLTAGE
- 25,5MM DEPTH
- VAC/VDC
- MINIMUM SIZE
- RADIAL JAW
- SYMMETRICAL
- NON HANDED
- UNE EN 14846 CERTIFICATION
- U2 ADJUSTABLE JAW AVAILABLE



TECHNICAL CHARACTERISTICS							
High	66 mm						
Width	16 mm						
Depth	25,5 mm						
Setting the flex flap	+2-1 mm						
Latch depth	5,1 mm						
Cycles tested on power electricity	400.000						
Holding force	3.230 N / 330 kg-f						
Operating temperature range	-15 °C a +40°C						
Diode or varistor	Optional						
Microswitch	Optional						
	10-24 V	6-12 V	8-12 V	24 V	24 VDC (424)	12 VDC (512)	24 VDC (524)
Coil resistance (Ω)	43	8	17	58	132	51	160
VAC power consumption (mA)	175(10V)	600(6V)	370(8V)	330			
	250(12V)	1200(12V)	560(12V)				
	500(24V)						
Consumption stabilized VDC (mA)	230(10V)	750(6V)	470(8V)		180 VDC	235 VDC	150 VDC
	280(12V)	1500(12V)	700(12V)				
	560(24V)						
Working range kept current (V)	11-13			-	23-24	11-12	23-24
Maximum preload latch to open VAC (N)	250(12V)					-	-
	360(24V)						
Maximum preload latch to open DC (N)	55(12V)					-	-
	220(24V)						

POWER SUPPLIES

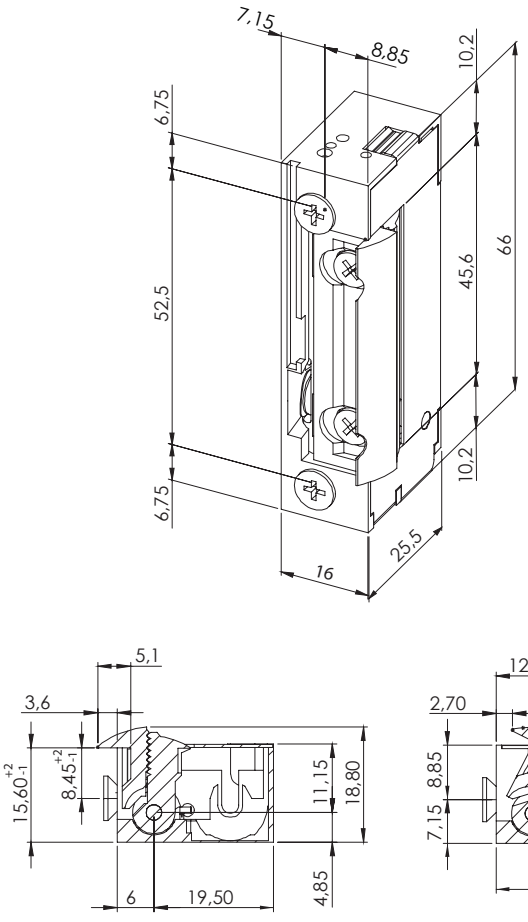
For a suitable performance we recommend:

AC 12V TF3 TF5 DC 12V

AC 24V TF8 TF7 DC 24V

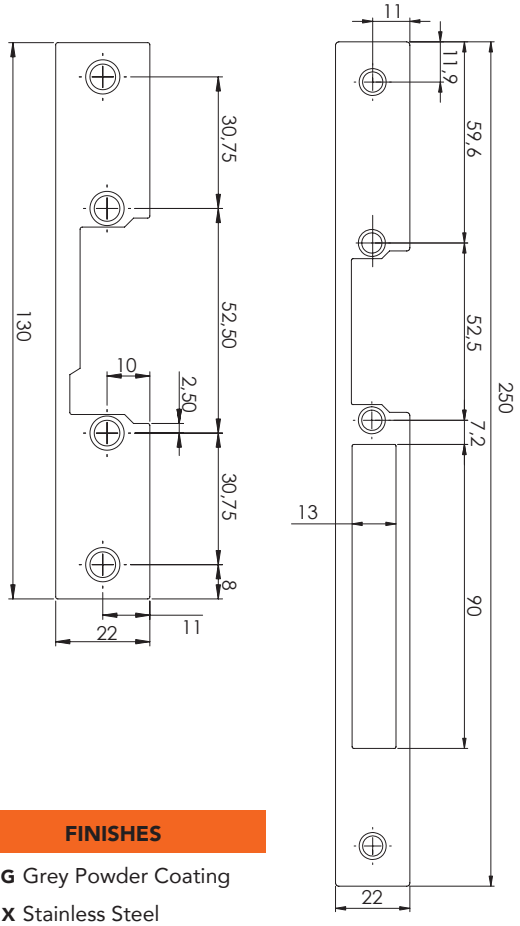
Accesories section page 106

MECHANISM



RECOMMENDED FLACE PLATES

P22mm (13) — L22mm (24)



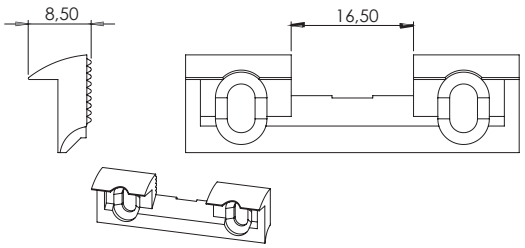
FINISHES

G Grey Powder Coating

X Stainless Steel

You can request any other finish.
Please ask for delivery time..

U2 Jaw



CODE	DESCRIPTION	STANDARD	DELAY	ACTION (A)	DELAY ACTION INVISIBLE (Aa)	TIMED DELAY ACTION (At)	SLIDING DELAY ACTION (Ab)	FAIL SAFE / 500	MONITORED (305)	UNLATCHING MECHANISM	ADJUSTABLE JAW	ELECTRICAL AVAILABLE FEATURES **
9901	99NF	●									●	10-24V AC/DC
9902	99NDF	●								●	●	10-24V AC/DC
9903	99AF		●								●	10-24V AC/DC
9904	99ADF		●							●	●	10-24V AC/DC
9938	99AbF					●					●	10-24V AC/DC
9939	99AbDF					●				●	●	10-24V AC/DC
9905	99AAF			●							●	10-24V AC/DC
9906	99AADF			●						●	●	10-24V AC/DC
9913	99NF 512						●				●	12V DC
9914	99NDF 512						●			●	●	12V DC
9932	99NF 305	●						●			●	10-24V AC/DC
9934	99NF 305 512						●	●			●	12V DC

Available with U2 external jaw. If you want to order, put an "U2" after the CODE. Example: *9901 U2*.
Standard coil of 43Ω, others available.

CODIFICATION EXAMPLE: 9902/13G
DESCRIPTION EXAMPLE: 99 NDF/P 22G

99 Series mechanism box with normal function, unlatching mechanism and regulable external jaw with plate 13 ("P 22" according to description) painted in grey colour

For more information about compatible faceplates, see page 56 and following

New

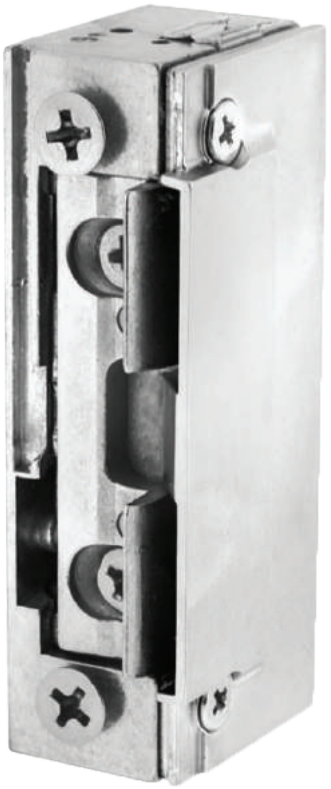
DORCAS SPECIAL SERIES

99 TOP SERIES

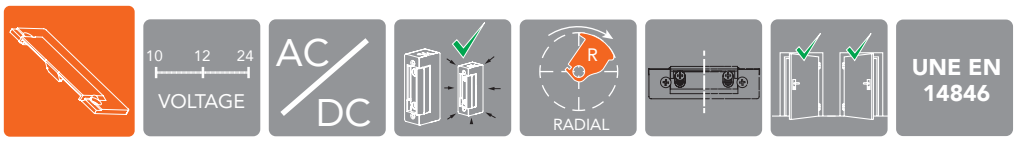
MULTIVOLTAGE

HI-TECH

99 TOP variant introduces a new system for guiding the jaw in the electric door release jaw giving an easy opening of the door. Also its special cover allows an easy and smart fitting without any cut-side in the door frame.



- NEW LATCH GUIDE SYSTEM FOR AN EASIER OPENING
- ANTI-FRICTION COVER
- MULTIVOLTAGE
- AC/DC
- MINIMUM SIZE
- RADIAL JAW
- SYMMETRICAL
- NON HANDED
- UNE EN 14846 CERTIFICATION



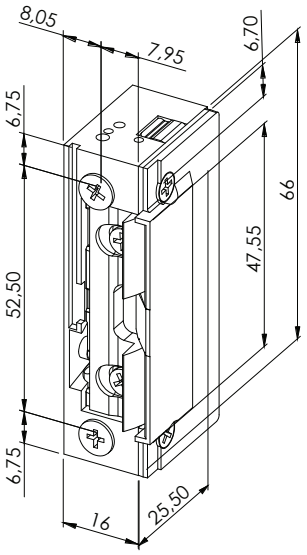


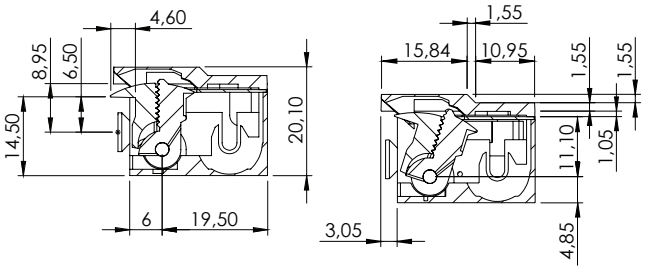
99 Series with detail cut in the installation profile



99 TOP Series with detail cut in the installation profile

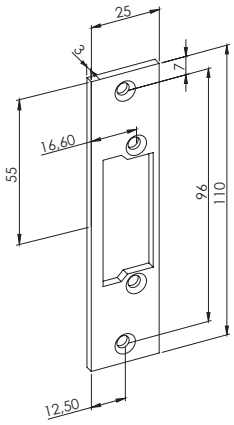
MECHANISM



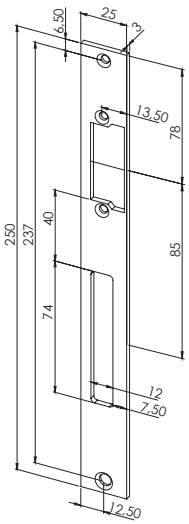


RECOMMENDED FLACE PLATES

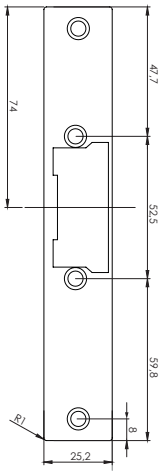
YB (20)



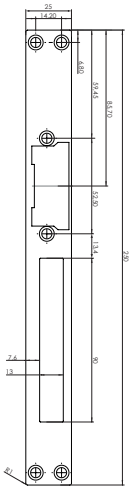
YG (38)



YS (41)



YL (42)



FINISHES

X Stainless Steel

You can request any other finish.
Please ask for delivery time..

99 TOP Series has different kind of plates according to the needs of the installation.

13 (P22mm) and 24 (L22mm) plates are also recommended.

CODE	DESCRIPTION	STANDARD	DELAY	ACTION (A)	DELAY ACTION INVISIBLE (Aa)	TIMED DELAY ACTION (At)	SLIDING DELAY ACTION (Ab)	FAIL SAFE / 500	MONITORED (305)	UNLATCHING MECHANISM	ADJUSTABLE JAW	ELECTRICAL AVAILABLE FEATURES **
9901 T	99NF TOP	●									●	10-24V AC/DC
9902 T	99NDF TOP	●								●	●	10-24V AC/DC
9903 T	99AF TOP		●								●	10-24V AC/DC
9904 T	99ADF TOP		●							●	●	10-24V AC/DC
9905 T	99AAF TOP			●							●	10-24V AC/DC
9906 T	99AADF TOP			●						●	●	10-24V AC/DC
9913 T	99NF 512 TOP						●				●	12V DC
9914 T	99NDF 512 TOP						●			●	●	12V DC
9932 T	99NF 305 TOP	●						●			●	10-24V AC/DC
9934 T	99NF 305 512 TOP						●	●			●	12V DC

Available with U2 external jaw. If you want to order, put an "U2" after the CODE. Ejemplo: *9901 T U2.*
You can order this model with different lengths of wire already assembled
Standard coil of 43Ω, others available.

CODIFICATION EXAMPLE: 9913 T/20X
DESCRIPTION EXAMPLE: 99NF 512 TOP/YBX

99 TOP Series mechanism box with fail safe function, regulable external jaw, TOP supplement and plate 20 ("YB" according to description) stainless steel finishing

For more information about compatible faceplates, see page 56 and following

New

DORCAS SPECIAL SERIES 56 SERIES

TEMPORIZED

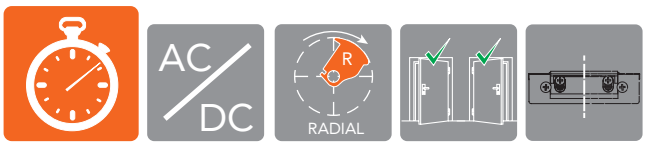
HI-TECH

MAX. SECURITY

Dorcas 56 Series is a new electronic generation of higher security electric releases. It has a built-in timer and a radial jaw without pin making easier the installation in AC voltage as well as DC voltage. Thanks to a short pulse (from 1-3 seconds) it releases the door (during a time between 11- 33 seconds) and relocks itself automatically.



- TIMED DELAY ACTION
- AC/DC
- RADIAL JAW
- NON HANDED
- SYMMETRICAL

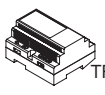


TECHNICAL CHARACTERISTICS	
High	75 mm
Width	21 mm
Depth	28 mm
Setting the flex flap	4 mm
Latch depth	5,3 mm
Cycles tested on power electricity	300.000
Holding force	3.050 N / 310 kg-f
Operating temperature range	-10 °C a +50°C
Diode or varistor	Optional
	At (12 V)
Coil resistance (Ω)	30
VAC power consumption (mA)	650
Consumption stabilized VDC (mA)	400
Working range kept current (V)	
Maximum preload latch to open VAC (N)	110 (12V)

POWER SUPPLIES

For a suitable performance we recommend: AC 12V TF3



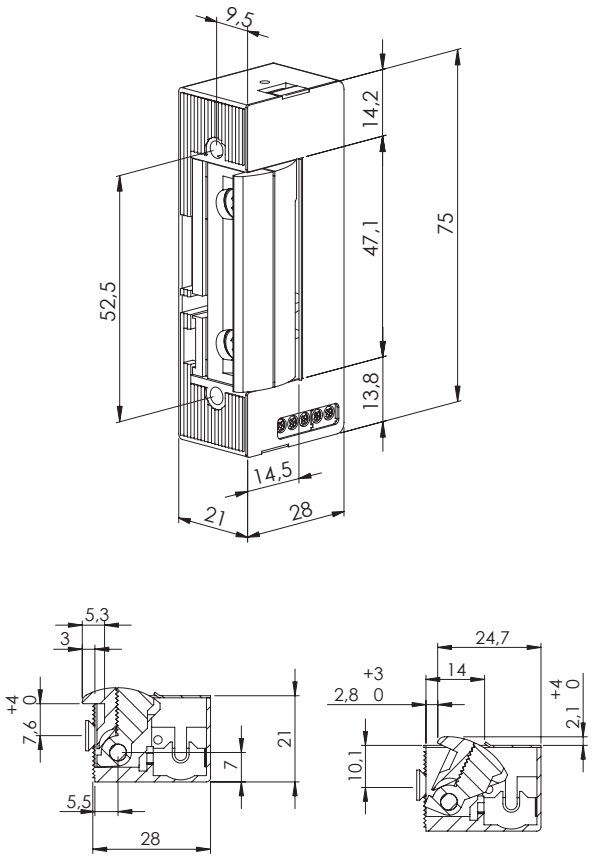


TF4

DC 12V

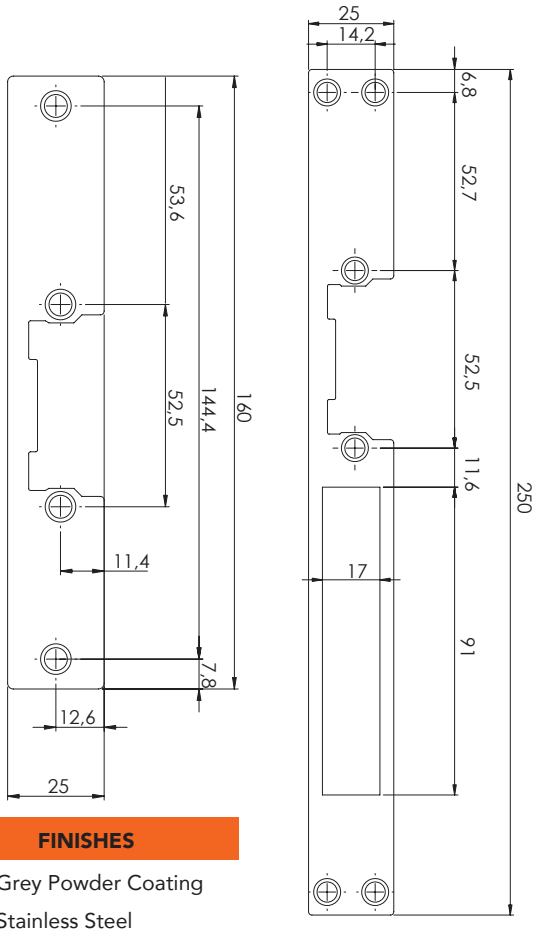
Accesories section page 106

MECHANISM



RECOMMENDED FLACE PLATES

S (10) M (22)



FINISHES

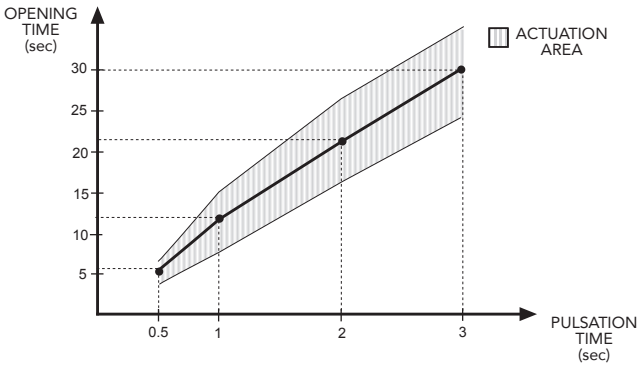
G Grey Powder Coating

X Stainless Steel

You can request any other finish.
Please ask for delivery time..

PRESS TIME	OPENING TIME*
0,5 seg	5 ± 1 seg
1 seg	11 ± 4 seg
2 seg	21 ± 5 seg
3 seg	30 ± 6 seg

* Time measured in room temperature



CODE	DESCRIPTION	STANDARD	DELAY ACTION (A)	DELAY ACTION INVISIBLE (Aa)	TIMED DELAY ACTION (At)	SLIDING DELAY ACTION (Ab)	FAIL SAFE / 500	MONITORED (305)	UNLATCHING MECHANISM	ADJUSTABLE JAW	ELECTRICAL AVAILABLE FEATURES **
5647	56 ATF				●					●	12V AC/DC
5648	56 ATDF				●				●	●	12V AC/DC

Standard coil of 30Ω

CODIFICATION EXAMPLE: 5647/10X
DESCRIPTION EXAMPLE: 56 ATF/SX

56 Series mechanism box with timed delay action, regulable external jaw and plate 10 ("S" according to description) stainless steel finishing

For more information about compatible faceplates, see page 56 and following

DORCAS SPECIAL SERIES

62 SERIES

WATERPROOF AND DUSTPROOF

IP 65 Standard aproved 62 series. It has been designed for special installations where waterproof and dustproof features are mandatory.



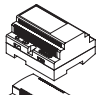
- WATERPROOF AND DUSTPROOF
- SUITABLE FOR OUTDOOR INSTALLATIONS AND SALINE ENVIRONMENTS
- GASKET SEAL PROTECTED
- IP65
- HANDED



TECHNICAL CHARACTERISTICS					
High	100 mm				
Width	21,5 mm				
Depth	37 mm				
Setting the flex flap	-				
Latch depth	7,7 mm				
Cycles tested on power electricity	300.000				
Holding force	3.900 N / 400 kg-f				
Operating temperature range	-15 °C a +40°C				
Diode or varistor	Optional				
	8-12 V		24 V	12 VDC (412)	24 VDC (424)
Coil resistance (Ω)	8	17	58	68	132
VAC power consumption (mA)	800(8V) 1200(12V)	370(8V) 560(12V)	330		
Consumption stabilized VDC (mA)	1000(8V) 1500(12V)	470(8V) 700(12V)		180 VDC	180 VDC
Working range kept current (V)			-	11-12	23-24
Maximum preload latch to open VAC (N)	120 (12V)	-	-	-	-

POWER SUPPLIES

For a suitable performance we recommend:

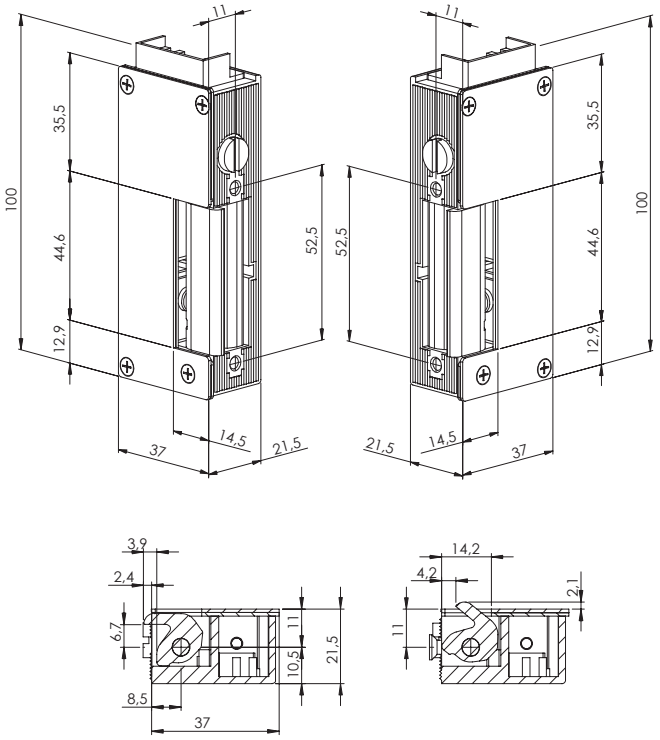
AC 12V TF3  TF5  DC 12V

AC 24V TF8  TF7  DC 24V

Accesories section page 106

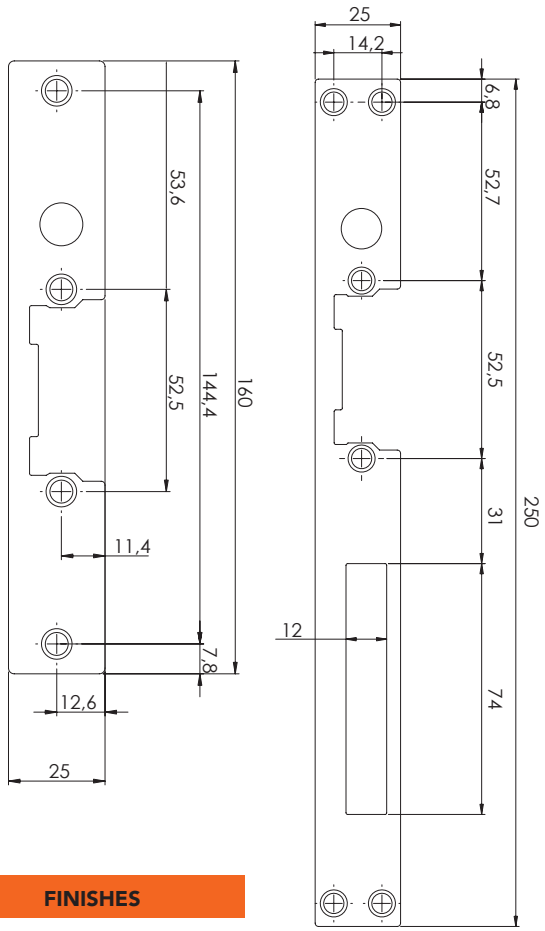
MECHANISM

(Din Right) (Din Left)



RECOMMENDED FLACE PLATES

S62 (10) G62 (21)



FINISHES

G Grey Powder Coating

X Stainless Steel

You can request any other finish.
Please ask for delivery time..

CODE	DESCRIPTION		STANDARD	DELAY	ACTION (A)	DELAY ACTION INVISIBLE (Aa)	TIMED DELAY ACTION (At)	SLIDING DELAY ACTION (Ab)	FAIL SAFE / 500	MONITORED (305)	UNLATCHING MECHANISM	ADJUSTABLE JAW	ELECTRICAL AVAILABLE FEATURES **
6215 D	62N	DIN right	●										V AC
6215 I	62N	DIN left	●										V AC
6216 D	62ND	DIN right	●								●		V AC
6216 I	62ND	DIN left	●								●		V AC
6219 D	62Aa	DIN right			●								V AC
6219 I	62Aa	DIN left			●								V AC
6220 D	62AAD	DIN right			●						●		V AC
6220 I	62AAD	DIN left			●						●		V AC
6221 D	62N 412	DIN right	●										12V DC
6221 I	62N 412	DIN left	●										12V DC
6222 D	62ND 412	DIN right	●								●		12V DC
6222 I	62ND 412	DIN left	●								●		12V DC
6227 D	62N 512	DIN right						●					12V DC
6227 I	62N 512	DIN left						●					12V DC

** 24V version available , simply enter 24 after the CODE. Example: *6215 D 24*
Standard coil of 8Ω, others available.

CODIFICATION EXAMPLE: 6216 D/21G
DESCRIPTION EXAMPLE: 62ND D/G62G

62 Series mechanism box with fail secure function and plate 23 ("L" according to description) grey colour painted

For more information about compatible faceplates, see page 56 and following

DORCAS SPECIAL SERIES

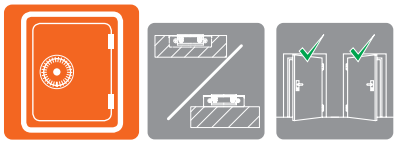
48 SERIES

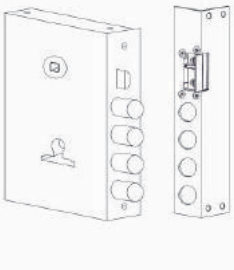
ARMOURED DOORS

48 Series has been designed for combination with Italian security locks. It´s body shape is suitable with the upper bolt of this kind of locks. For mortice or rim installations and security and armored doors.

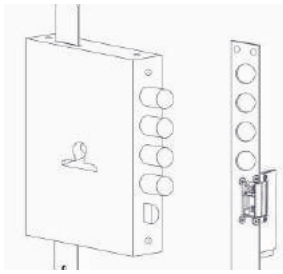


- SECURITY AND ARMORED DOORS
- MORTICE OR RIM MOUNTED INSTALLATIONS
- HARDENED VERSION AVAILABLE





FLUSH INSTALLATION LOCK MOUNTING



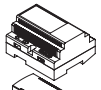
RIM INSTALLATION LOCK MOUNTING

TECHNICAL CHARACTERISTICS

High	89 mm						
Width	23 mm						
Depth	33 mm						
Setting the flex flap	+2-1 mm						
Latch depth	6 mm (Available in 9 mm)						
Cycles tested on power electricity	300.000						
Holding force	3.450 N / 350 Kg-f						
Operating temperature range	-15 °C a +40°C						
Diode or varistor	Optional						
	8-12 V		24 V	12 VDC (412)	24 VDC (424)	12 VDC (512)	24 VDC (524)
Coil resistance (Ω)	8	30	58	68	132	70	230
VAC power consumption (mA)	800(8V) 1200(12V)		330				
Consumption stabilized VDC (mA)	1000(8V) 1500(12V)	260(8V) 400(12V)		180 VDC	180 VDC	150 VDC	120 VDC
Working range kept current (V)		-	-	11-12	23-24	11-12	23-24
Maximum preload latch to open VAC (N)	100 (12V)	-	-	-	-	-	-

POWER SUPPLIES

For a suitable performance we recommend:

AC 12V TF3 

AC 24V TF8 

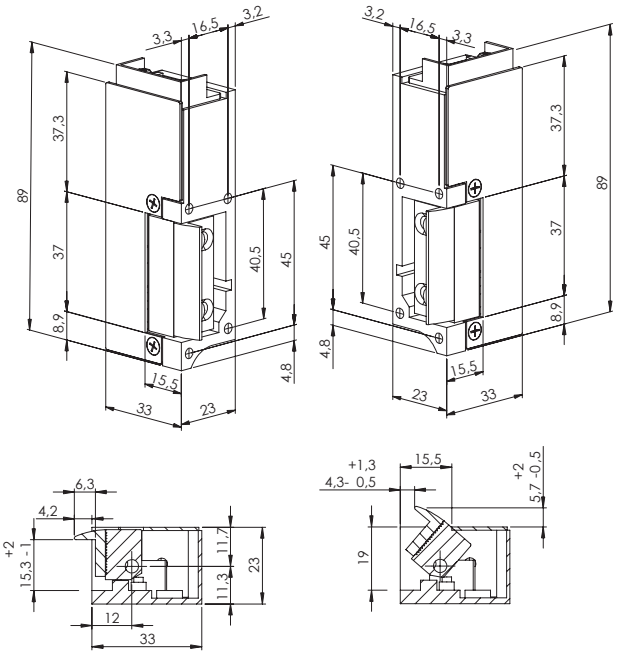
 TF5 DC 12V

 TF7 DC 24V

Accesories section page 106

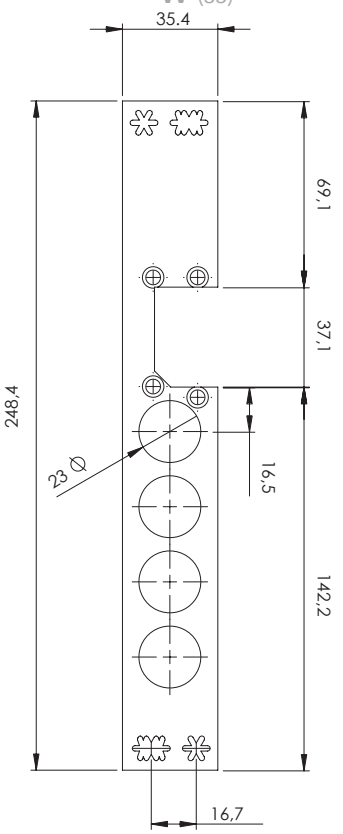
DRAWINGS

(Din Right) (Din Left)



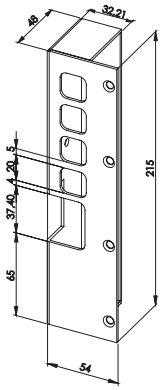
RECOMMENDED FLACE PLATES

W (33)

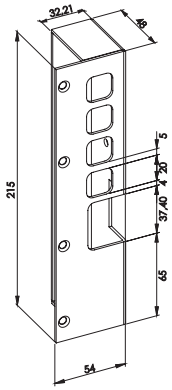


COVERS

WD



WI



FINISHES

X Stainless Steel

CODE	DESCRIPTION		STANDARD	DELAY	ACTION (A)	DELAY ACTION INVISIBLE (Aa)	TIMED DELAY ACTION (At)	SLIDING DELAY ACTION (Ab)	FAIL SAFE / 500	MONITORED (305)	UNLATCHING MECHANISM	ADJUSTABLE JAW	ELECTRICAL AVAILABLE FEATURES **
4801 D	48NF	DIN right	●									●	V AC
4801 I	48NF	DIN left	●									●	V AC
4802 D	48NDF	DIN right	●								●	●	V AC
4802 I	48NDF	DIN left	●								●	●	V AC
4803 D	48AF	DIN right		●								●	V AC
4803 I	48AF	DIN left		●								●	V AC
4804 D	48ADF	DIN right		●							●	●	V AC
4804 I	48ADF	DIN left		●							●	●	V AC
4805 D	48AAF	DIN right			●							●	V AC
4805 I	48AAF	DIN left			●						●	●	V AC
4806 D	48AADF	DIN right			●						●	●	V AC
4806 I	48AADF	DIN left			●						●	●	V AC
4807 D	48NF 412	DIN right	●									●	12V DC
4807 I	48NF 412	DIN left	●									●	12V DC
4808 D	48NDF 412	DIN right	●								●	●	12V DC
4808 I	48NDF 412	DIN left	●								●	●	12V DC
4809 D	48AF 412	DIN right		●								●	12V DC
4809 I	48AF 412	DIN left		●								●	12V DC
4810 D	48ADF 412	DIN right		●							●	●	12V DC
4810 I	48ADF 412	DIN left		●							●	●	12V DC

** 24V version available , simply enter 24 after the CODE. Example: *4805 D 24*.
In the codification, we assume the latch is above the bolt. If not, when the latch is below the bolt, write "B" after the CODE. Example: 4805 DB
Hardened Version Available
Standard coil of 8Ω, others available.

CODIFICATION EXAMPLE: 4802 D/WDX
EJ. DE DESCRIPCIÓN: 48 NDF D/WDX

48 Series mechanism box right handed with normal function , UNLATCHING MECHANISM, regulable external jaw and WD brown painted cover

For more information about compatible faceplates, see page 56 and following

DORCAS SPECIAL SERIES

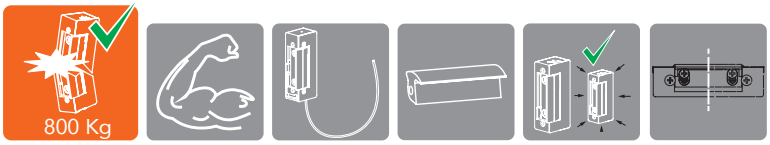
50 SERIES

HIGH HOLD-OPEN FORCE



50 Series is the perfect solution for heavie duty doors with a lot of traffic. The steel jaw ensures 800Kg strength making it perfect for security installations. It is available with a fix jaw and also with direct wires of different output length for door manufacturers. The monitoring version has a strong steel microswitch contact located inside the body release (PATENTED), therefore the electric release does not lose its non handed characteristic.

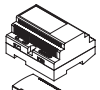
- HIGH HOLDING FORCE 800 Kg
- STRONG
- PATENTED BUILT-IN MICROSWITCH CONTACT AVAILABLE
- STAINLESS STEEL MICROSWITCH
- IDEAL FOR HEAVY DOORS AND HIGH TRAFFIC
- LONG WIRES OUTPUT
- ADJUSTABLE AND FIX JAW
- MINIMUM SIZE
- SYMMETRICAL
- NON HANDED



TECHNICAL CHARACTERISTICS								
High	75 mm							
Width	21 mm							
Depth	28 mm							
Setting the flex flap	4 mm							
Latch depth	6 mm							
Cycles tested on power electricity	500.000							
Holding force	7.800 N / 800 kg-f							
Operating temperature range	-15 °C a +40°C							
Diode or varistor	Optional							
Microswitch	Optional							
	8-12 V		24 V	12 VDC (412)		24 VDC (424)	12 VDC (512)	24 VDC (524)
Coil resistance (Ω)	8	17	58	30	45	132	60	230
VAC power consumption (mA)	800(8V)	370(8V)	330					
	1200(12V)	560(12V)						
Consumption stabilized VDC (mA)	1000(8V)	470(8V)		400 VDC	260 VDC	180 VDC	200 VDC	120 VDC
	1500(12V)	700(12V)						
Working range kept current (V)			-	11-12	11-12	23-24	11-12	23-24
Maximum preload latch to open VAC (N)	300 (12V)	-	-	-	-	-	-	-

POWER SUPPLIES

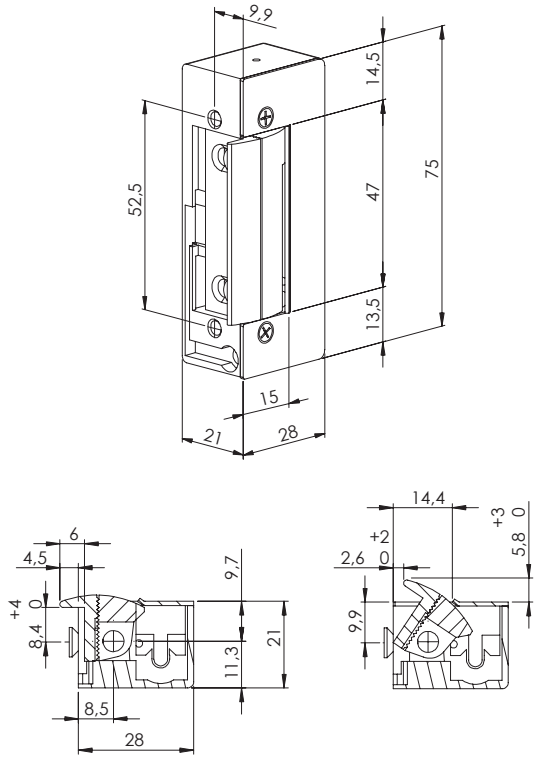
For a suitable performance we recommend:

AC 12V TF3  TF5  DC 12V

AC 24V TF8  TF7  DC 24V

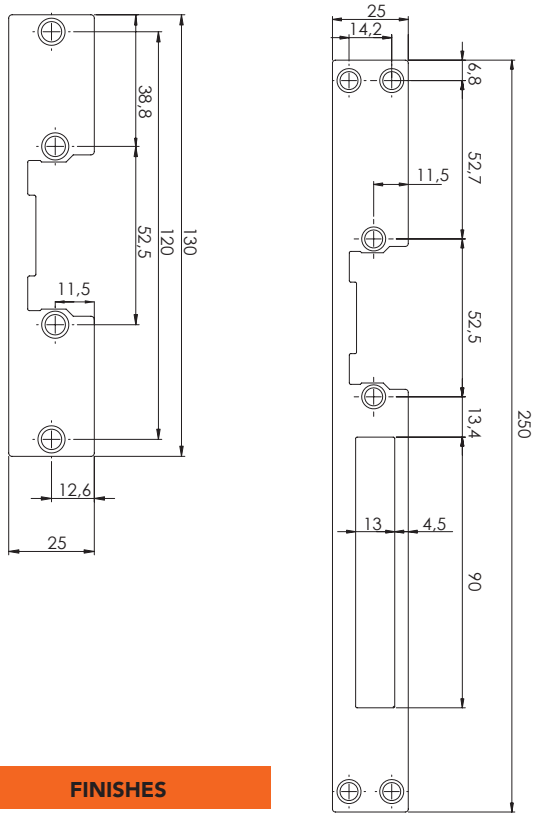
Accesories section page 106

MECHANISM



RECOMMENDED FLACE PLATES

P (12) L (23)



FINISHES

G Grey Powder Coating

X Stainless Steel

You can request any other finish.
Please ask for delivery time..

CODE	DESCRIPTION	STANDARD	DELAY	ACTION (A)	DELAY ACTION INVISIBLE (Aa)	TIMED DELAY ACTION (At)	SLIDING DELAY ACTION (Ab)	FAIL SAFE / 500	MONITORED (305)	UNLATCHING MECHANISM	ADJUSTABLE JAW	ELECTRICAL AVAILABLE FEATURES **
5001	50NF	●										V AC
5002	50NDF	●							●	●		V AC
5003	50AF		●									V AC
5004	50ADF		●						●	●		V AC
5005	50AAF			●								V AC
5006	50AADF			●					●	●		V AC
5007	50NF 412	●										12V DC
5008	50NDF 412	●							●	●		12V DC
5009	50AF 412		●									12V DC
5010	50ADF 412		●						●	●		12V DC
5013	50NF 512						●					12V DC
5015	50N	●										V AC
5016	50ND	●							●			V AC
5017	50A		●									V AC
5018	50AD		●						●			V AC
5019	50AA			●								V AC
5020	50AAD			●					●			V AC
5021	50N 412	●										12V DC
5022	50ND 412	●							●			12V DC
5023	50A 412		●									12V DC
5024	50AD 412		●						●			12V DC
5027	50N 512						●					12V DC
5029	50N 305	●						●				V AC
5030	50N 305 412	●						●				12V DC
5031	50N 305 512						●	●				12V DC
5032	50NF 305	●						●			●	V AC
5033	50NF 305 412	●						●			●	12V DC
5034	50NF 305 512						●	●			●	12V DC

** 24V version available , simply enter 24 after the CODE. Example: *5002 24*
Standard coil of 17Ω, others available.

CODIFICATION EXAMPLE: 5007/12G
DESCRIPTION EXAMPLE: 50 NF 412/PG

50 Series mechanism box with fail secure function, regulable external jaw and plate 12 ("P" according to description) grey colour painted

For more information about compatible faceplates, see page 56 and following

DORCAS SPECIAL SERIES

52 SERIES

FIRE RATED

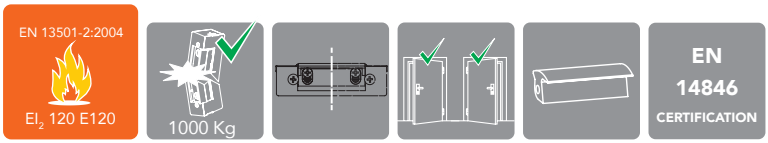
D.O.P.
Declaration of performance

52 Series has been developed specially for fire doors and is UNE EN 1634-1:2000 and UNE EN 1363-1:2000 Standardd approved. Full steel made, the jaw strenght is up to 1000 Kg. For other characteristics please refer to 50 Series. Its minium size and non handed makes it easy to all instalations.



- EI 120 MINUTES FIRE CERTIFICATE
- FIRE RATED
- HIGH HOLD-OPEN FORCE (1000 KG)
- SYMMETRICAL
- NON HANDED
- ADJUSTABLE AND FIX JAW
- EN 14846 CERTIFICATION





TECHNICAL CHARACTERISTICS								
High	75,4 mm							
Width	21 mm							
Depth	28 mm							
Setting the flex flap	4 mm							
Latch depth	6 mm							
Cycles tested on power electricity	500.000							
Holding force	9.800 N / 1.000 kg-f							
Operating temperature range	-25 °C a +70°C							
Diode or varistor	Optional							
Microswitch	Optional							
	8-12 V		24 V	12 VDC (412)		24 VDC (424)	12 VDC (512)	24 VDC (524)
Coil resistance (Ω)	8	17	58	30	45	132	60	230
VAC power consumption (mA)	800(8V) 1200(12V)	370(8V) 560(12V)	330					
Consumption stabilized VDC (mA)	1000(8V) 1500(12V)	470(8V) 700(12V)		400 VDC	260 VDC	180 VDC	200 VDC	120 VDC
Working range kept current (V)			-	11-12	11-12	23-24	11-12	23-24
Maximum preload latch to open VAC (N)	300 (12V)	-	-	-	-	-	-	-

POWER SUPPLIES

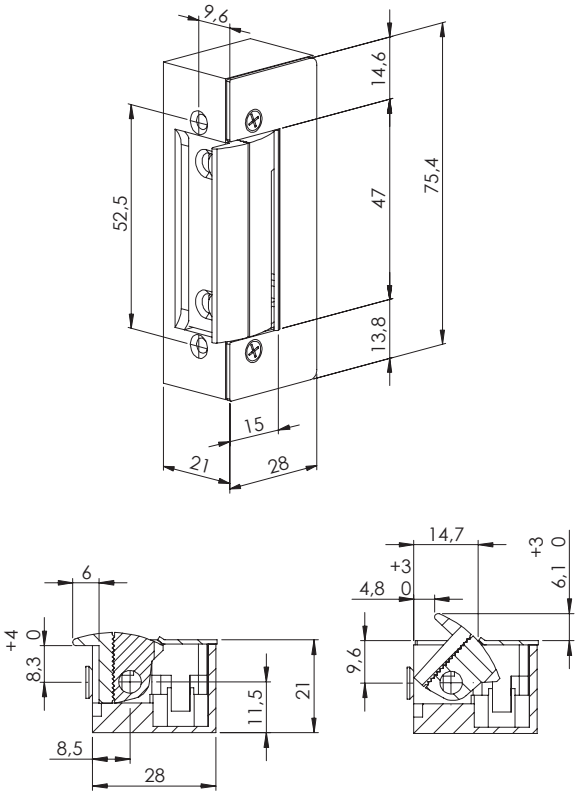
For a suitable performance we recommend:

AC 12V TF3 TF5 DC 12V

AC 24V TF8 TF7 DC 24V

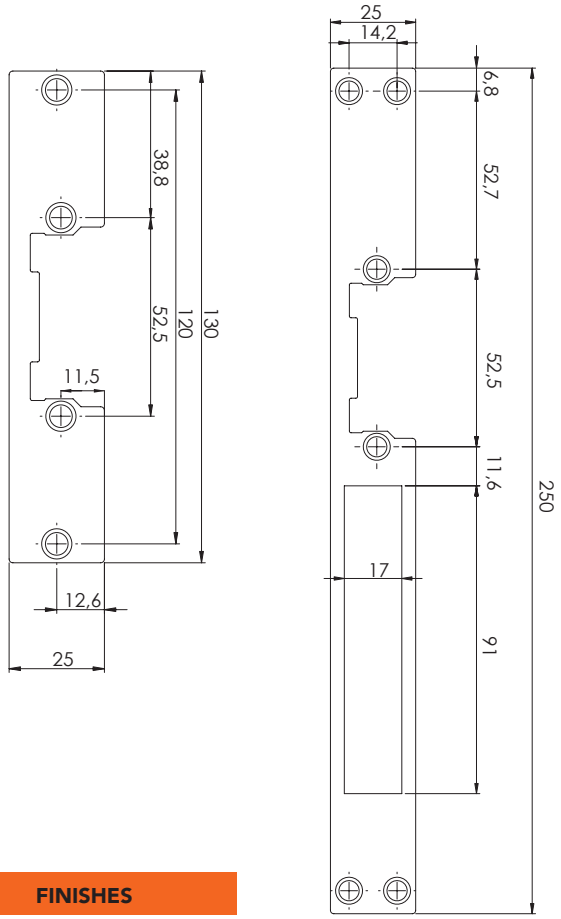
Accesories section page 106

MECHANISM



RECOMMENDED FLACE PLATES

P (12) M (22)



FINISHES

X Stainless Steel

CODE	DESCRIPTION	STANDARD	DELAY	ACTION (A)	DELAY ACTION INVISIBLE (Aa)	TIMED DELAY ACTION (At)	SLIDING DELAY ACTION (Ab)	FAIL SAFE / 500	MONITORED (305)	UNLATCHING MECHANISM	ADJUSTABLE JAW	ELECTRICAL AVAILABLE FEATURES **
5201	52NF	●									●	V AC
5202	52NDF	●								●	●	V AC
5203	52AF		●								●	V AC
5204	52ADF		●							●	●	V AC
5205	52AAF			●							●	V AC
5206	52AADF			●						●	●	V AC
5207	52NF 412	●									●	12V DC
5208	52NDF 412	●								●	●	12V DC
5209	52AF 412		●								●	12V DC
5210	52ADF 412		●							●	●	12V DC
5215	52N	●										V AC
5216	52ND	●								●		V AC
5217	52A		●									V AC
5218	52AD		●							●		V AC
5219	52AA			●								V AC
5220	52AAD			●						●		V AC
5221	52N 412	●										12V DC
5222	52ND 412	●								●		12V DC
5223	52A 412		●									12V DC
5224	52AD 412		●							●		12V DC
5229	52N 305	●						●				V AC
5230	52N 305 412	●						●				12V DC

** 24V version available , simply enter 24 after the CODE. Example: *5203 24*
Standard coil of 17Ω, others available.

CODIFICATION EXAMPLE: 5201/22X
DESCRIPTION EXAMPLE: 52 NF/MX

52 Series mechanism box with normal function, regulable external jaw with plate 22 ("M" according description) stainless steel finishing

For more information about compatible faceplates, see page 56 and following

New

DORCAS SPECIAL SERIES 77 SERIES

EMERGENCY EXITS

D.O.P. Declaration of Performance

450 KG PRELOAD

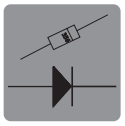
HI-TECH

In the 77 series, Dorcas presents an electric release for safety and emergency doors installation. Its internal design allows to unlock the door up to 450 Kg preload. It is certified with NF_S_61-937 Standard under the certificate number CET0100362_final_01_a. Also it is EN 14846 certified and D.O.P. can be provide on request.



- 450 KG PRELOAD OPENING
- HIGH SECURITY PURPOSE
- BUILT-IN DIODE
- PRELOAD CERTIFICATE
- EN 14846 CERTIFICATION
- HANDED
- NFS 61937 CERTIFICATE



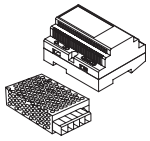





TECHNICAL CHARACTERISTICS		
High	134 mm	
Width	39 mm	
Depth	23,2 mm	
Setting the flex flap	2 mm	
Latch depth	10 mm	
Cycles tested on power electricity	500.000	
Holding force	7.350 N / 750 kg-f	
Operating temperature range	-15 °C a +40°C	
Diode or varistor	De serie	
Microswitch	Optional	
	12 VDC (512)	24 VDC (524)
Coil resistance (Ω)	37	150
VAC power consumption (mA)		
Consumption stabilized VDC (mA)	320(12V)	160(24V)
Working range kept current (V)	11-13 V 300-350	23-25 V 150-170
Maximum preload latch to open VAC (N)	-	-
Maximum preload latch to open DC (N)	4500	4500

POWER SUPPLIES

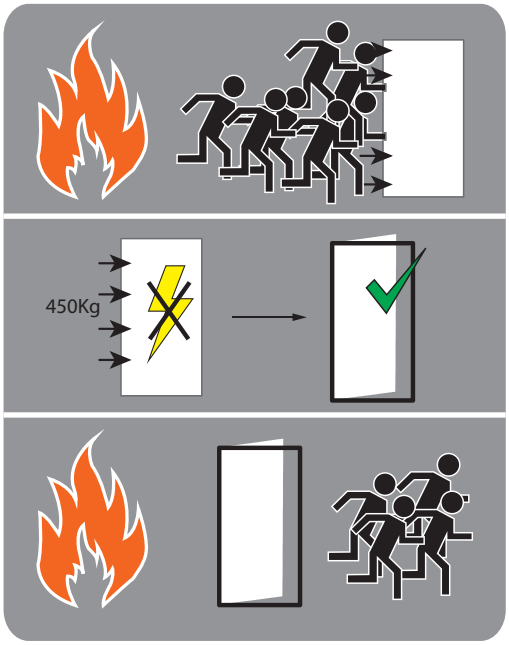
For a suitable performance we recommend:



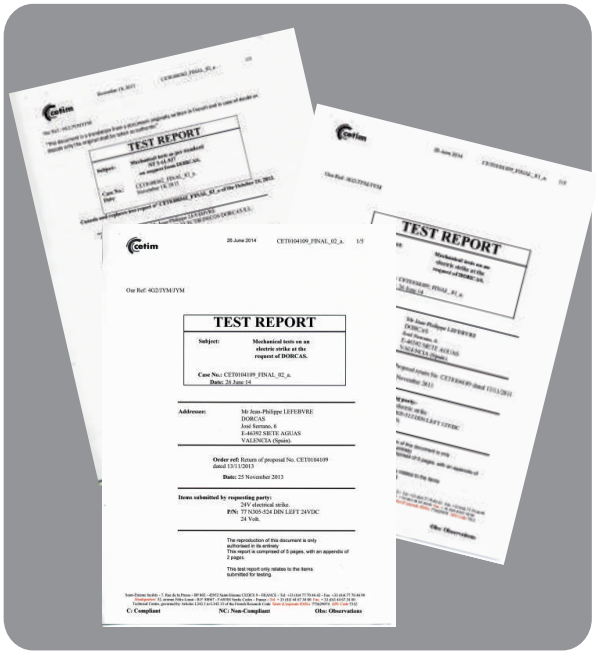
TF4 DC 12V

TF7 DC 24V Accesories section page 106

Emergency situations where a pressure is aplied to the door difficulting its opening.



Emergency exit certificates



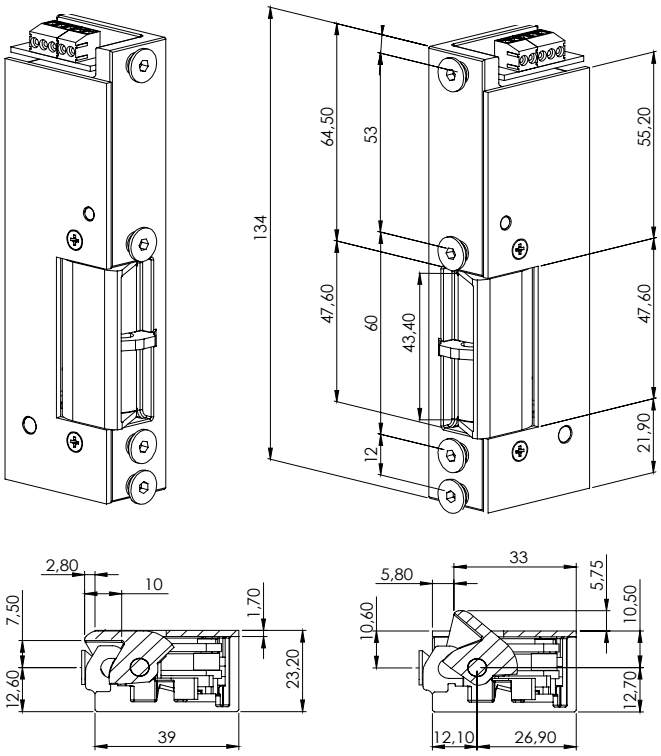


CODE	DESCRIPTION	STANDARD	DELAY ACTION (A)	DELAY ACTION INVISIBLE (Aa)	TIMED DELAY ACTION (At)	SLIDING DELAY ACTION (Ab)	FAIL SAFE / 500	MONITORED (305)	UNLATCHING MECHANISM	ADJUSTABLE JAW	ELECTRICAL AVAILABLE FEATURES **
7713 D	77NF 512	DIN right				●			●		12V DC
7713 I	77NF 512	DIN left				●			●		12V DC
7713 D 24	77NF 524	DIN right				●			●		24V DC
7713 I 24	77NF 524	DIN left				●			●		24V DC
7734 D	77NF 305 512	DIN right				●	●		●		12V DC
7734 I	77NF 305 512	DIN left				●	●		●		12V DC
7734 D 24	77NF 305 524	DIN right				●	●		●		24V DC
7734 I 24	77NF 305 524	DIN left				●	●		●		24V DC

*** 48V version available , simply enter 48 after the CODE. Example: 7713D 48*

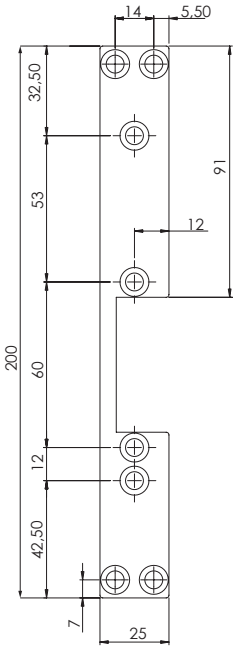
MECHANISM

(Din Right) (Din Left)

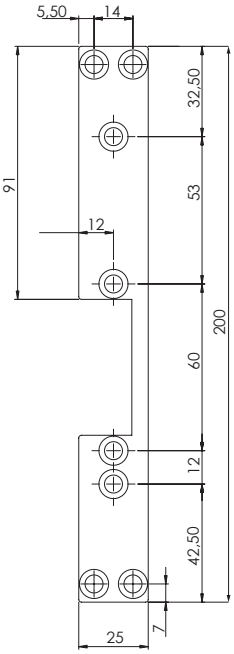


RECOMMENDED FLACE PLATES

SX77 (Din left) (18)



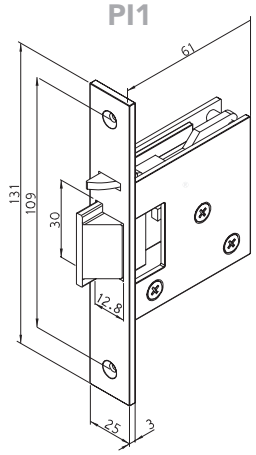
SX77 (Din right) (19)



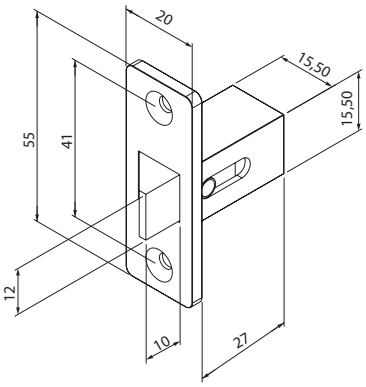
LATCHES

Door jaws recommended with 77 Series:

PI1

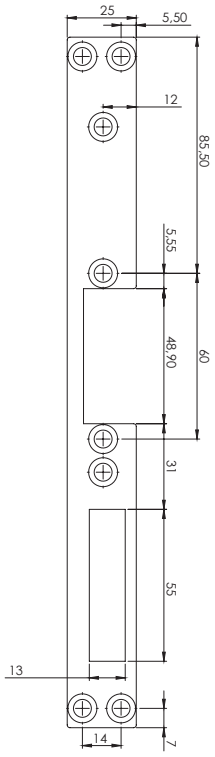


PI2

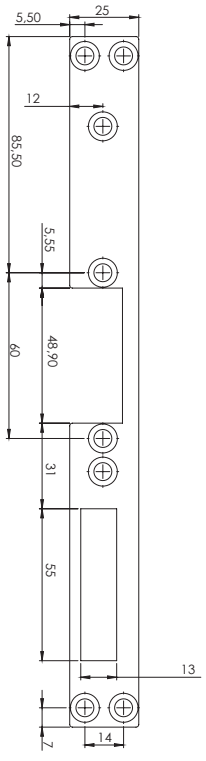


For more information, see page 111.

GX77 (Din left) (34)



GX77 (Din right) (35)



FINISHES

X Stainless Steel

You can request any other finish.
Please ask for delivery time..

CODIFICATION EXAMPLE: 7734 D/18X
EJ. DE DESCRIPCIÓN: 77 NF 305 512 D/SX 77

77 Series mechanism box with fail safe function, monitoring function, regulable external jaw and plate 18 ("SX 77" according to description) stainless steel finishing

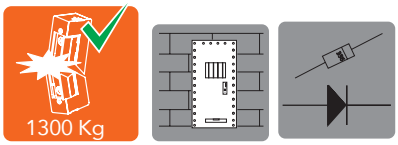
DORCAS SPECIAL SERIES 77 SERIES

VERY HEAVY DUTY

77 Series, it is a very special electric release for heavy gates and very high security



- HIGH HOLD-OPEN FORCE (1.300 KG)
- BUILT-IN DIODE



TECHNICAL CHARACTERISTICS

High	134 mm			
Width	39 mm			
Depth	23,2 mm			
Setting the flex flap	2 mm			
Latch depth	10 mm			
Cycles tested on power electricity	500.000			
Holding force	12.700 N / 1.300 Kg-f			
Operating temperature range	-15 °C a +40°C			
Diode or varistor	Optional			
Microswitch	Optional			
	12 V			24 VAC
Coil resistance (Ω)	8	30	70	70
VAC power consumption (mA)	1200	320	140	
Consumption stabilized VDC (mA)		400		350

CODE	DESCRIPTION		STANDARD	DELAY ACTION (A)	DELAY ACTION INVISIBLE (Aa)	TIMED DELAY ACTION (At)	SLIDING DELAY ACTION (Ab)	FAIL SAFE / 500	MONITORED (305)	UNLATCHING MECHANISM	ADJUSTABLE JAW	ELECTRICAL AVAILABLE FEATURES **
7701 D	77NF	DIN right	●								●	V AC
7701 I	77NF	DIN left	●								●	V AC
7707 D	77NF 412	DIN right	●								●	12V DC
7707 I	77NF 412	DIN left	●								●	12V DC
7732 D	77NF 305	DIN right	●					●			●	V AC
7732 I	77NF 305	DIN left	●					●			●	V AC
7733 D	77NF 305 412	DIN right	●					●			●	12V DC
7733 I	77NF 305 412	DIN left	●					●			●	12V DC
7715 D	77N	DIN right	●									V AC
7715 I	77N	DIN left	●									V AC
7721 D	77N 412	DIN right	●									12V DC
7721 I	77N 412	DIN left	●									12V DC
7729 D	77N 305	DIN right	●					●				V AC
7729 I	77N 305	DIN left	●					●				V AC
7730 D	77N 305 412	DIN right	●					●				12V DC
7730 I	77N 305 412	DIN left	●					●				12V DC

** 24V version available , simply enter 24 after the CODE. Example: *7707 I 24*
Standard coil of 8Ω, others available.

CODIFICATION EXAMPLE: 7701 I/34X
DESCRIPTION EXAMPLE: 77 NF I/GX 77

77 Series mechanism box with normal function, regulable external jaw and plate 34 ("GX 77" according to description) stainless steel finishing

For more information about compatible faceplates, see page 56 and following

DORCAS SPECIAL SERIES

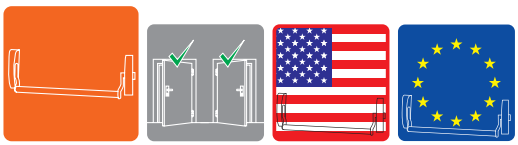
82/82P SERIES

PANIC DEVICES

82 Series is a Non handed surface electric release with hidden fixation, concave jaw and a cover. It is supplied with 8 spacers (1 mm thickness) allowing the installation with almost all panic jawes in the market. The 82P version is particularly suitable for American panic hardware, optionally, can be ordered with an spacer to make it compatible with anti-thrust jaw bolts.



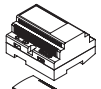
- FOR EMERGENCY EXIT DOORS
- NON HANDED
- FOR AMERICAN PANIC DEVICE (82P)
- FOR EUROPEAN PANIC DEVICE (82)
- HARDENED VERSION AVAILABLE



TECHNICAL CHARACTERISTICS	82 series				82P series			
High	140 mm				146 mm			
Width	26,5 mm				38 mm			
Depth	40 mm				45 mm			
Setting the flex flap	-				-			
Latch depth	10,4 mm				10,1 mm			
Cycles tested on power electricity	300.000				300.000			
Holding force	2.950 N / 300 Kg-f Hardened version 5.900 N / 600 Kg-f				2.950 N / 300 Kg-f Hardened version 5.900 N / 600 Kg-f			
Operating temperature range	-15 °C a +40°C				-15 °C a +40°C			
Diode or varistor	Optional				Optional			
Microswitch	Optional							
	8-12 V			24 V	12 VDC (412)	24 VDC (424)	12 VDC (512)	24 VDC (524)
Coil resistance (Ω)	8	17	30	58	68	132	70	230
VAC power consumption (mA)	800(8V) 1200(12V)	370(8V) 560(12V)		330				
Consumption stabilized VDC (mA)	1000(8V) 1500(12V)	470(8V) 700(12V)	260(8V) 400(12V)		180 VDC	180 VDC	150 VDC	120 VDC
Working range kept current (V)			-	-	11-12	23-24	11-12	23-24
Maximum preload latch to open VAC (N)	82 Series 100 (12V) 82P Series 100 (12V)	-	-	-	-	-	-	-

POWER SUPPLIES

For a suitable performance we recommend:

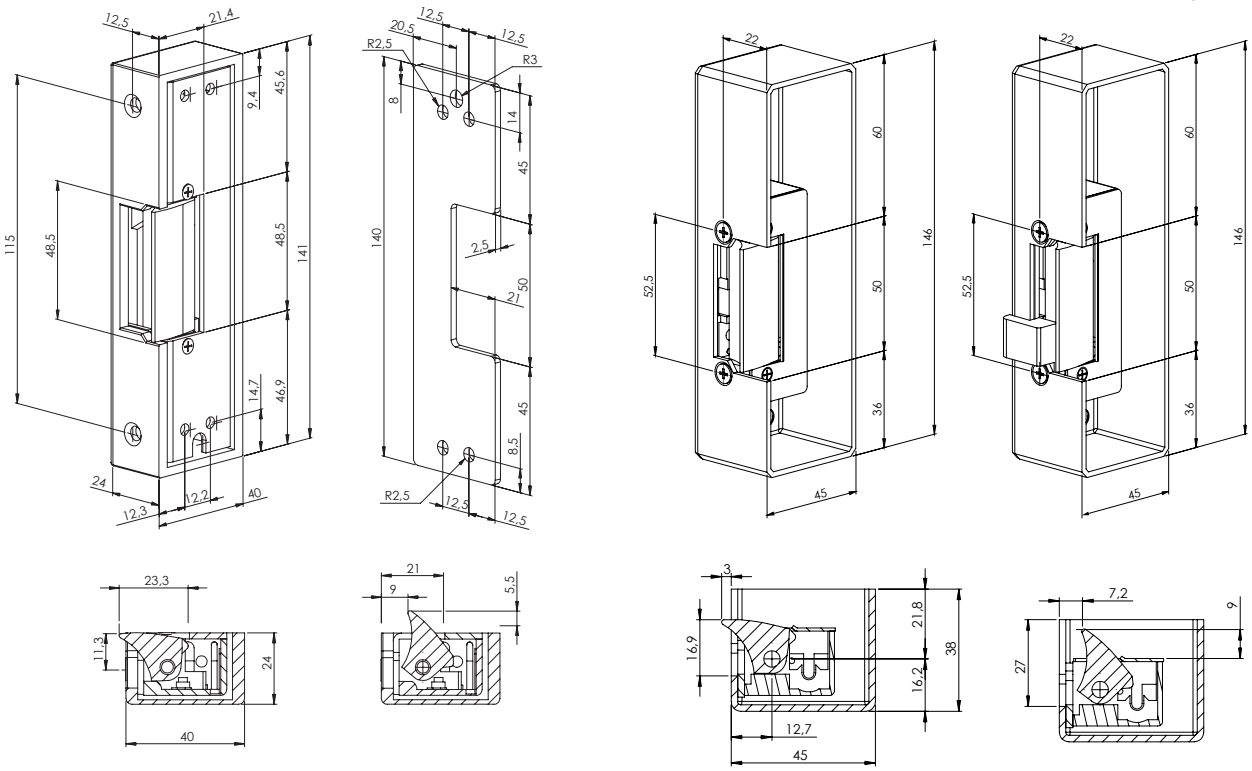
AC 12V TF3  TF5  DC 12V

AC 24V TF8  TF7  DC 24V

Accesories section page 106

MECHANISM

82 82P faceplate

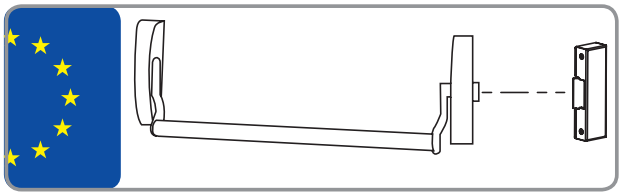


FINISHINGS CASES

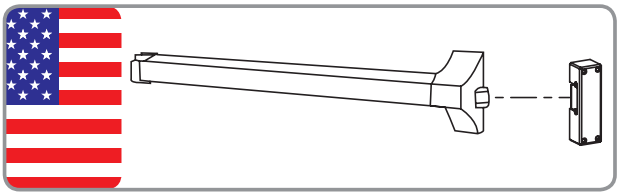
N Black Powder Coating

C Chrome plated

EUROPEAN STANDARD PANIC BAR MOUNTING



AMERICAN STANDARD PANIC BAR MOUNTING



CODE	DESCRIPTION	STANDARD	DELAY ACTION (A)	DELAY ACTION INVISIBLE (Aa)	TIMED DELAY ACTION (At)	SLIDING DELAY ACTION (Ab)	FAIL SAFE / 500	MONITORED (305)	UNLATCHING MECHANISM	ADJUSTABLE JAW	ELECTRICAL AVAILABLE FEATURES **
8215	PN	●									V AC
8219	PAA		●								V AC
8221	PN 412	●									12V DC
8227	PN 512					●					12V DC
8229	PN 305	●					●				V AC
8233	PN 305 512					●	●				12V DC
8215 P	P II N	●									V AC
8219 P	P II AA		●								V AC
8221 P	P II N 412	●									12V DC
8227 P	P II N 512					●					12V DC
8229 P	P II N 305	●					●				V AC
8233 P	P II N 305 512					●	●				12V DC

** 24V version available , simply enter 24 after the CODE. Example: *8227 24*
82P reinforced version with steel jaw available.
In 82P version, simply enter B after the CODE if you ask for compatible with anti-thrust jaw bolts.
Cover included
Standard coil of 8Ω, others available.

CODIFICATION EXAMPLE: 8215 P/N
DESCRIPTION EXAMPLE: P II N/N

82 Series mechanism box with normal function with a black colour cover

For more information about compatible faceplates, see page 56 and following

DORCAS SPECIAL SERIES

83 SERIES

GLASS DOORS

83 Series its a set with jaw and electric release in a metallic cases to install on frameless double panel glass doors of 12 mm thick or less. Inward activation from inside can be done by handle or push button. From outside it has to be opened thanks to access control or intercom. It is fitted by a strong silicon glue. Very easy installation and nice finishings available.



- SUITABLE FOR GLASS DOORS UP TO 12MM OF THICKNESS WITH FRAME
- EASY TO INSTALL
- HANDLE OPTIONAL



TECHNICAL CHARACTERISTICS								
High	190 mm							
Width	27 mm							
Depth	45,5 mm							
Setting the flex flap	-							
Latch depth	10,1 mm							
Cycles tested on power electricity	300.000							
Holding force	2.950 N / 300 Kg-f							
Operating temperature range	-15 °C a +40°C							
Diode or varistor	Optional							
Microswitch	Optional							
	8-12 V			24 V	12 VDC (412)	24 VDC (424)	12 VDC (512)	24 VDC (524)
Coil resistance (Ω)	8	17	30	58	68	132	70	230
VAC power consumption (mA)	800(8V) 1200(12V)	370(8V) 560(12V)		330				
Consumption stabilized VDC (mA)	1000(8V) 1500(12V)	470(8V) 700(12V)	260(8V) 400(12V)		180 VDC	180 VDC	150 VDC	120 VDC
Working range kept current (V)			-	-	11-12	23-24	11-12	23-24
Maximum preload latch to open VAC (N)	100 (12V)	-	-	-	-	-	-	-

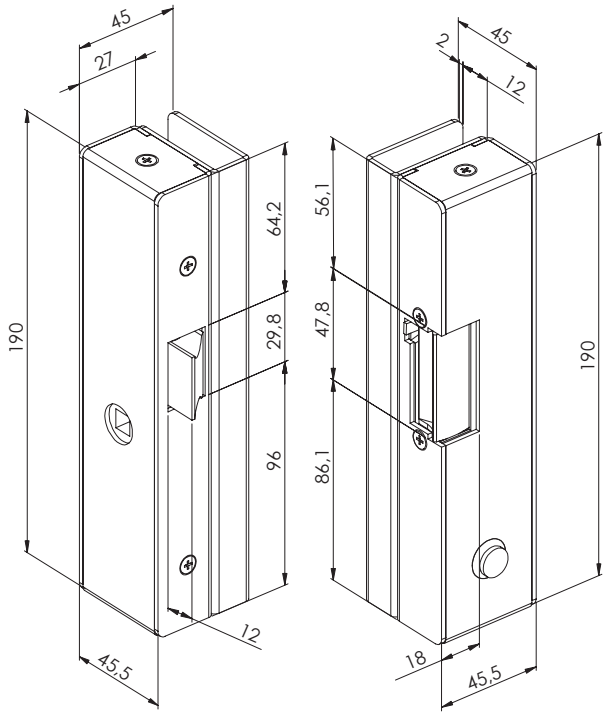
POWER SUPPLIES

For a suitable performance we recommend:

AC 12V TF3  TF5  DC 12V

AC 24V TF8  TF7  DC 24V Accesories section page 106

MECHANISM



INSTALLATION DETAILS

SUITABLE FOR GLASS DOORS WITHOUT FRAME

OPENED



CLOSED



FINISHES

C Chrome plated

Q Nickel plated

CODE	DESCRIPTION	STANDARD	DELAY	ACTION (A)	DELAY ACTION INVISIBLE (Aa)	TIMED DELAY ACTION (At)	SLIDING DELAY ACTION (Ab)	FAIL SAFE / 500	MONITORED (305)	UNLATCHING MECHANISM	ADJUSTABLE JAW	ELECTRICAL AVAILABLE FEATURES **
8301	CNF	●									●	V AC
8302	CNDF	●								●	●	V AC
8303	CAF		●								●	V AC
8304	CADF		●							●	●	V AC
8305	CAAF			●							●	V AC
8306	CAADF			●						●	●	V AC
8307	CNF 412	●									●	12V DC
8308	CNDF 412	●								●	●	12V DC
8309	CAF 412		●								●	12V DC
8310	CADF 412		●							●	●	12V DC
8313	CNF 512							●			●	12V DC
8315	CN	●										V AC
8316	CND	●								●		V AC
8317	CA		●									V AC
8318	CAD		●							●		V AC
8319	CAA			●								V AC
8320	CAAD			●						●		V AC
8321	CN 412	●										12V DC
8322	CND 412	●								●		12V DC
8323	CA 412		●									12V DC
8324	CAD 412		●							●		12V DC
8327	CN 512						●					12V DC
8329	CN 305	●						●				V AC
8330	CN 305 412	●						●				12V DC
8331	CN 305 512						●	●				12V DC

** 24V version available , simply enter 24 after the CODE. Example: *8330 24*
Reinforced version with steel jaw available.
Standard coil of 8Ω, others available.

CODIFICATION EXAMPLE: 8317/Q
DESCRIPTION EXAMPLE: CA/Q — 83 Series mechanism box with delay action function with a nickel colour cover

For more information about compatible faceplates, see page 56 and following

DORCAS SPECIAL SERIES

87 SERIES

GLASS DOORS

No need of lock! 87 Series is the perfect solution for frame glass door installations (up to 12 mm thickness) An integrated security avoids closing without the glass door panel



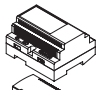
- SUITABLE FOR GLASS DOORS UP TO 12MM OF THICKNESS WITH FRAME
- NO NEED OF MECHANICAL LOCK
- EASY TO INSTALL



TECHNICAL CHARACTERISTICS								
High	105 mm							
Width	20 mm							
Depth	28 mm							
Setting the flex flap	-							
Latch depth	11,2 mm							
Cycles tested on power electricity	250.000							
Holding force	2.550 N / 260 kg-f							
Operating temperature range	-15 °C a +40°C							
Diode or varistor	Optional							
	8-12 V			24 V	12 VDC (412)	24 VDC (424)	12 VDC (512)	24 VDC (524)
Coil resistance (Ω)	8	17	30	58	68	132	70	230
VAC power consumption (mA)	800(8V) 1200(12V)	370(8V) 560(12V)		330				
Consumption stabilized VDC (mA)	1000(8V) 1500(12V)	470(8V) 700(12V)	260(8V) 400(12V)		180 VDC	180 VDC	150 VDC	120 VDC
Working range kept current (V)			-	-	11-12	23-24	11-12	23-24
Maximum preload latch to open VAC (N)	100 (12V)	-	-	-	-	-	-	-

POWER SUPPLIES

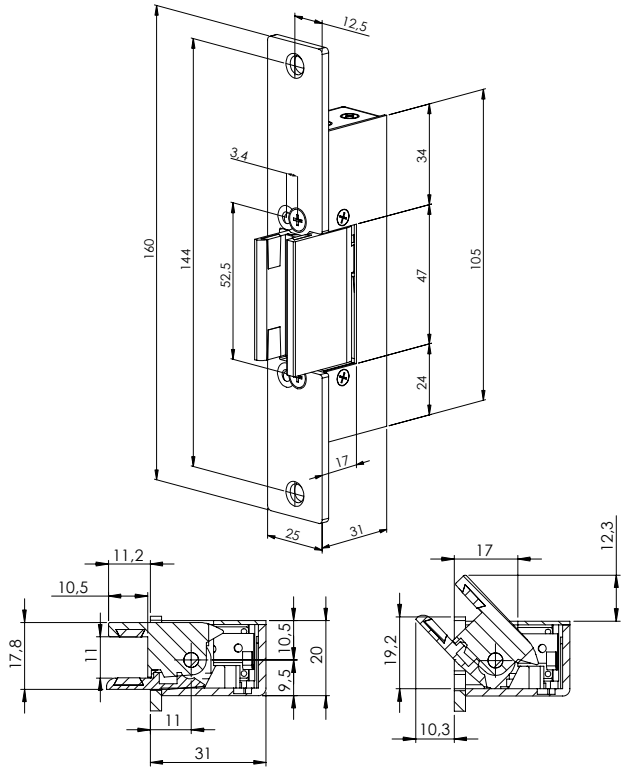
For a suitable performance we recommend:

AC 12V TF3  TF5  DC 12V

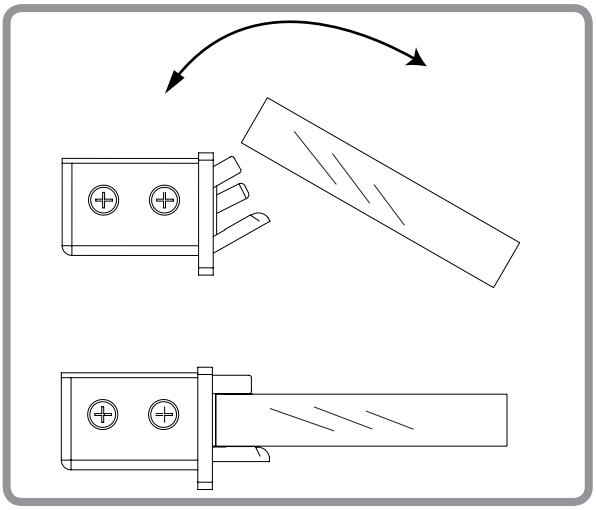
AC 24V TF8  TF7  DC 24V

Accesories section page 106

MECHANISM



FUNCTION



FINISHES

X Stainless Steel

LATERAL FRAME INSTALLATION



TOP FRAME INSTALLATION



CODE	DESCRIPTION	STANDARD	DELAY	ACTION (A)	DELAY ACTION INVISIBLE (Aa)	TIMED DELAY ACTION (At)	SLIDING DELAY ACTION (Ab)	FAIL SAFE / 500	MONITORED (305)	UNLATCHING MECHANISM	ADJUSTABLE JAW	ELECTRICAL AVAILABLE FEATURES ** **	
8715	CII N	●											V AC
8719	CII AA			●									V AC
8721	CII N 412	●											12V DC
8727	CII N 512						●						12V DC

** 24V version available , simply enter 24 after the CODE. Example: *8721 24*
Standard coil of 8Ω, others available.

CODIFICATION EXAMPLE: 8715/X
DESCRIPTION EXAMPLE: CII N/X

87 Series mechanism box with delay action function with stainless steel finishing

For more information about compatible faceplates, see page 56 and following

DORCAS

SPECIAL SERIES

47/46/84 SERIES

BRITISH AND AMERICAN LOCKS

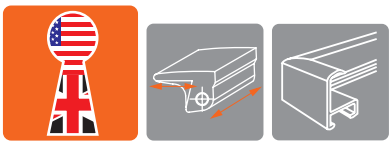


47 Series is a range of electric releases for combination with ANSI type locks. They have small non handed body and a Depth jaw jaw they are provided with a black lip of proper length for (3 and 1/3' - 1 and 1/2' - 4/5') thick door that closes flush with jamb edge.

46 Series has the same characteristics but has been designed for tubular locks.

84 Series is suitable for American type locks, characterized for been wider, Depther and longer than usual.

- FOR USA AND UK LOCKS
- LONG LATCHES
- DEPTH LATCHES
- METALLIC PROFILES
- HARDENED VERSION AVAILABLE



TECHNICAL CHARACTERISTICS	47 series	46 series	84 series
High	84,5 mm	75,3 mm	67 mm
Width	45,7 mm	39,3 mm	20,5 mm
Depth	39 mm	34 mm	37,4 mm
Setting the flex flap	-	-	-
Latch depth	15,7 mm	14,6 mm	14,4 mm
Cycles tested on power electricity	300.000	300.000	300.000
Holding force	3.450 N / 350 Kg-f Hardened V.: 4.400 N / 450 Kg-f	3.450 N / 350 Kg-f	3.450 N / 350 Kg-f
Operating temperature range	-15 °C a +40°C	-15 °C a +40°C	-15 °C a +40°C
Diode or varistor	Optional	Optional	Optional
Microswitch	Optional	-	-

	8-16 V	24 V	14-24 V	12 VDC (412)	24 VDC (424)	12 VDC (512)	24 VDC (524)
Coil resistance (Ω)	17	58	45	68	132	58	230
VAC power consumption (mA)	370(8V) 750(12V)	330					
Consumption stabilized VDC (mA)	470(8V) 940(12V)		260	180 VDC	180 VDC	200 VDC	120 VDC
Working range kept current (V)		-	11-12	11-12	23-24	11-12	23-24
Maximum preload latch to open VAC (N)	47 Series 400 (12V) 46 Series 200 (12V) 84 Series 130 (12V)	-	-	-	-	-	-

POWER SUPPLIES

For a suitable performance we recommend:

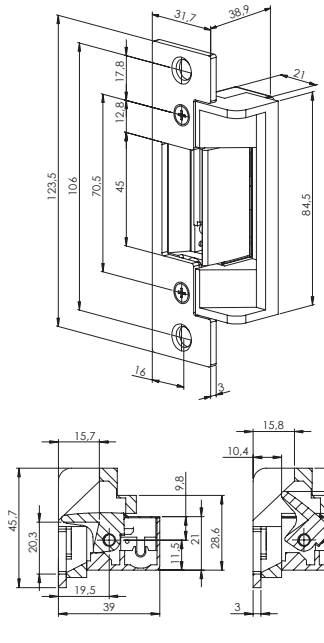
AC 12V TF3  TF5  DC 12V

AC 24V TF8  TF7  DC 24V

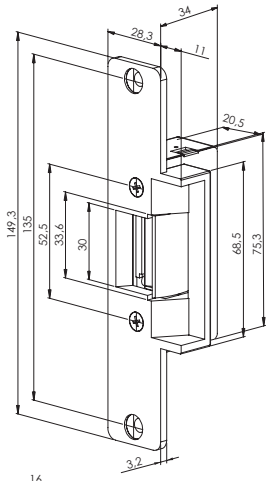
Accesories section page 106

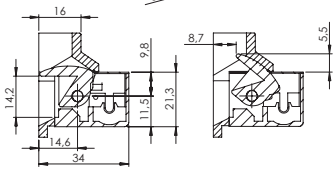
DRAWINGS

47

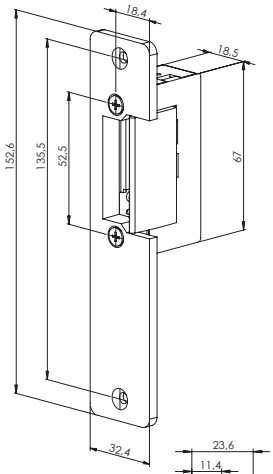


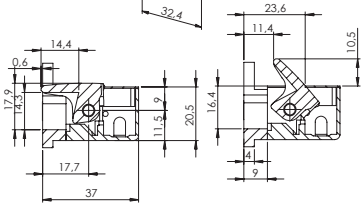
46





84





FINISHES

- **G** Grey Powder Coating SERIES 46 y 84
- **X** Stainless Steel SERIE 47

CODE	DESCRIPTION	STANDARD	DELAY	ACTION (A)	DELAY ACTION INVISIBLE (Aa)	TIMED DELAY ACTION (At)	SLIDING DELAY ACTION (Ab)	FAIL SAFE / 500	MONITORED (305)	UNLATCHING MECHANISM	ADJUSTABLE JAW	ELECTRICAL AVAILABLE FEATURES ** **
4701	47NF	●									●	V AC
4707	47NF 412	●									●	12V DC
4713	47NF 512					●					●	12V DC
4732	47NF 305	●					●				●	V AC
4733	47NF 305 412	●					●				●	12V DC
4734	47NF 305 512					●	●				●	12V DC
4715	47N	●										V AC
4721	47N 412	●										12V DC
4727	47N 512					●						12V DC

** 24V version available , simply enter 24 after the CODE. Example: *4715 24*
Stainless steel plate (153x33mm) and black cover included. Other lengths of plates available..
Standard coil of 17Ω, others available.

CODE	DESCRIPTION	STANDARD	DELAY	ACTION (A)	DELAY ACTION INVISIBLE (Aa)	TIMED DELAY ACTION (At)	SLIDING DELAY ACTION (Ab)	FAIL SAFE / 500	MONITORED (305)	UNLATCHING MECHANISM	ADJUSTABLE JAW	ELECTRICAL AVAILABLE FEATURES ** **
4615	46N	●										V AC
4621	46N 412	●										12V DC
4627	46N 512						●					12V DC

** 24V version available , simply enter 24 after the CODE. Example: *4621 24*
Grey painted plate included (149x28mm).
Standard coil of 17Ω, others available.

CODE	DESCRIPTION	STANDARD	DELAY	ACTION (A)	DELAY ACTION INVISIBLE (Aa)	TIMED DELAY ACTION (At)	SLIDING DELAY ACTION (Ab)	FAIL SAFE / 500	MONITORED (305)	UNLATCHING MECHANISM	ADJUSTABLE JAW	ELECTRICAL AVAILABLE FEATURES ** **
8401	84NF	●									●	V AC
8402	84NDF	●								●	●	V AC
8403	84AaF			●							●	V AC
8404	84AaDF			●						●	●	V AC
8407	84NF 412	●									●	12V DC
8408	84NDF 412	●								●	●	12V DC
8413	84NF 512						●				●	12V DC

** 24V version available , simply enter 24 after the CODE. Example: *8408 24*
Grey painted plate included (153x33mm).
Standard coil of 17Ω, others available.

CODIFICATION EXAMPLE: 4701/X **DESCRIPTION EXAMPLE: 47 NF/X**	47 Series mechanism box with normal function and regulable external jaw stainless steel finishing
CODIFICATION EXAMPLE: 4615/G **DESCRIPTION EXAMPLE: 46 N/G**	46 Series mechanism box with normal function grey colour painted
CODIFICATION EXAMPLE: 8402/G **DESCRIPTION EXAMPLE: 84 NDF/G**	84 Series mechanism box with normal function, UNLATCHING MECHANISM and regulable external jaw grey colour painted

For more information about compatible faceplates, see page 56 and following

DORCAS SPECIAL SERIES

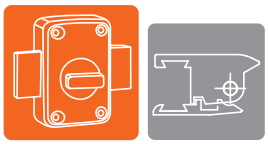
88 SERIES

DEADBOLT LOCKS

88 Series is specifically designed to release a mortice deadbolt lock. It can be combined with standard electric releases for jaw allowing a double control opening electric release.



- FOR DEADBOLT
- ARTICULATED JAW



TECHNICAL CHARACTERISTICS

High	105 mm							
Width	20 mm							
Depth	28 mm							
Setting the flex flap	-							
Latch depth	-							
Cycles tested on power electricity	200.000							
Holding force	2.550 N / 260 kg-f							
Operating temperature range	-15 °C a +40°C							
Diode or varistor	Optional							
	8-12 V			24 V	12 VDC (412)	24 VDC (424)	12 VDC (512)	24 VDC (524)
Coil resistance (Ω)	8	17	30	58	68	132	70	230
VAC power consumption (mA)	800(8V)	370(8V)		330				
	1200(12V)	560(12V)						
Consumption stabilized VDC (mA)	1000(8V)	470(8V)	260(8V)		180 VDC	180 VDC	150 VDC	120 VDC
	1500(12V)	700(12V)	400(12V)					
Working range kept current (V)			-	-	11-12	23-24	11-12	23-24
Maximum preload latch to open VAC (N)	100 (12V)	-	-	-	-	-	-	-

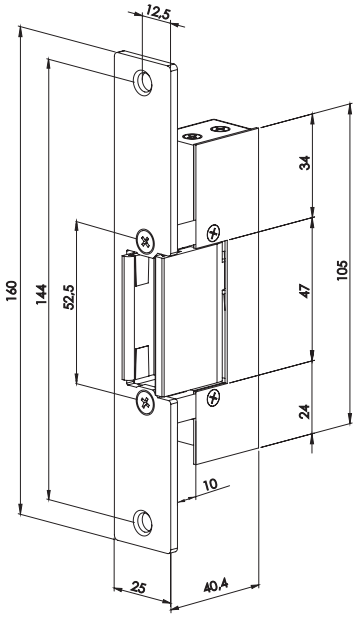
POWER SUPPLIES

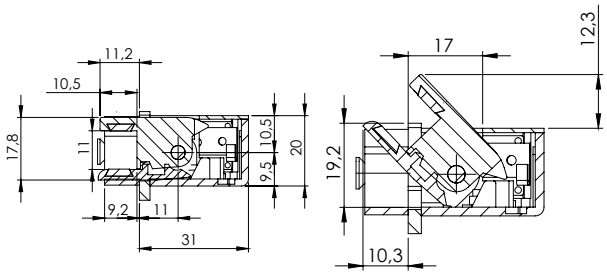
For a suitable performance we recommend:

AC 12V TF3  TF5  DC 12V

AC 24V TF8  TF7  DC 24V Accesories section page 106

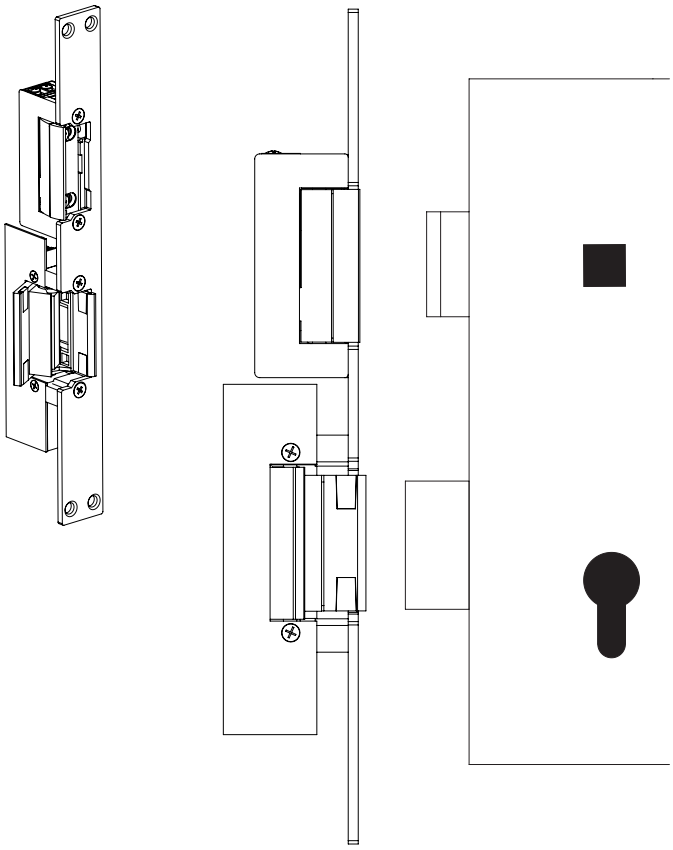
MECHANISM





CUSTOMIZED SOLUTIONS

As manufactor feel free to ask for special solutions when you cannot find out to cover your needs in the normal range. Dorcas on the example above has designed a double electric for jaw and deadbolt. This solution is perfect for hotel room doors for a complete control of the opening.



FINISHES

X Stainless Steel

You can request any other finish.
Please ask for delivery time..

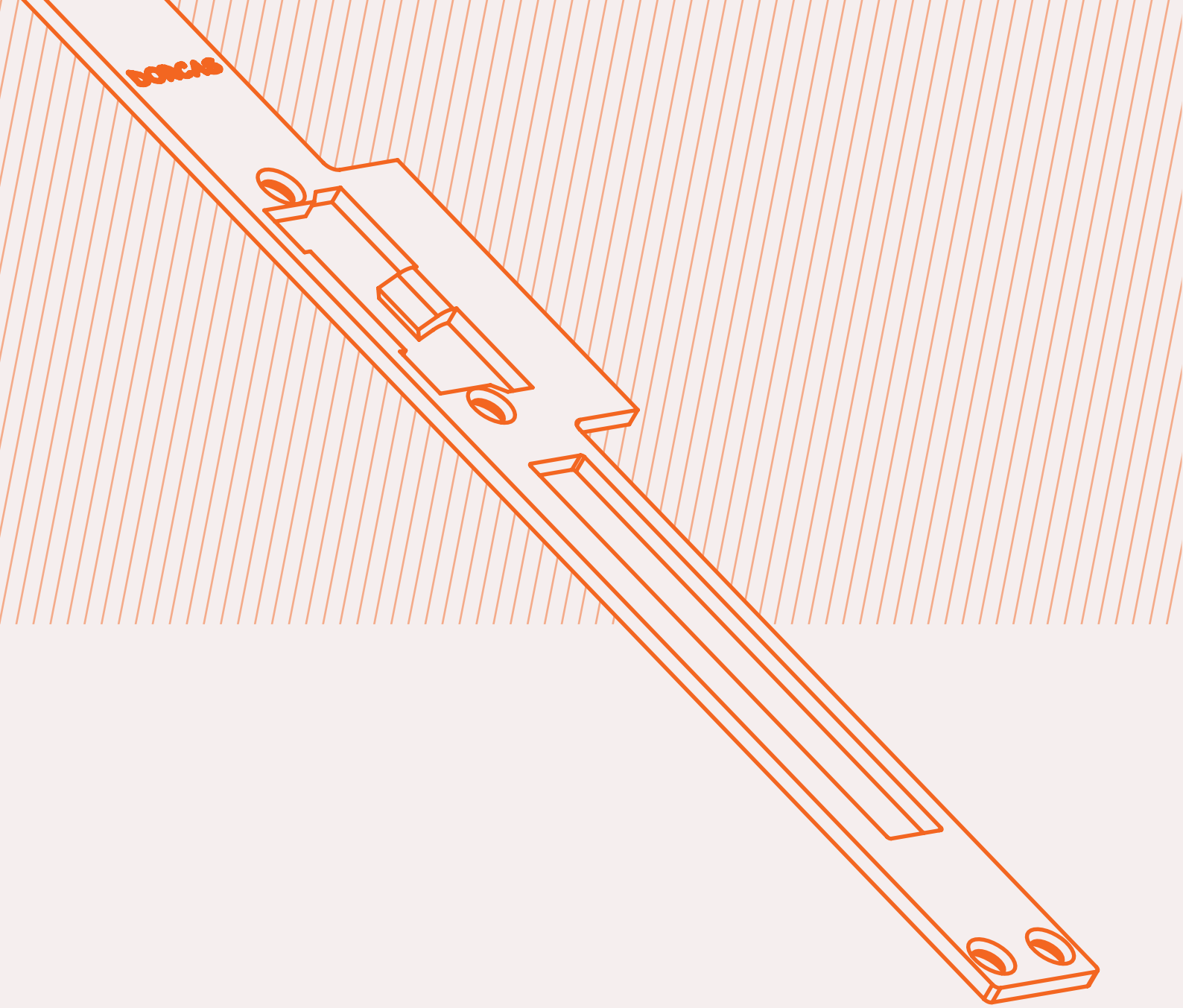
CODE	DESCRIPTION	STANDARD	DELAY	ACTION (A)	DELAY ACTION INVISIBLE (Aa)	TIMED DELAY ACTION (At)	SLIDING DELAY ACTION (Ab)	FAIL SAFE / 500	MONITORED (305)	UNLATCHING MECHANISM	ADJUSTABLE JAW	ELECTRICAL AVAILABLE FEATURES ** **
8815	88N	●										V AC
8817	88A		●									V AC
8819	88AA			●								V AC
8821	88N 412	●										12V DC
8823	88A 412		●									12V DC
8827	88N 512							●				12V DC

** 24V version available , simply enter 24 after the CODE. Example: *8822 24*
Standard coil of 8Ω, others available.

CODIFICATION EXAMPLE: 8816/10X
DESCRIPTION EXAMPLE: 88 ND/SX

88 Series mechanism box with normal function, UNLATCHING MECHANISM and plate 10 ("S" according to description) stainless steel finishing

For more information about compatible faceplates, see page 56 and following



FACE PLATES

DORCAS

DORCAS
FACE PLATES

Dorcas offers you a wide range of mortice plates for combining with our electric releases.

FINISHES

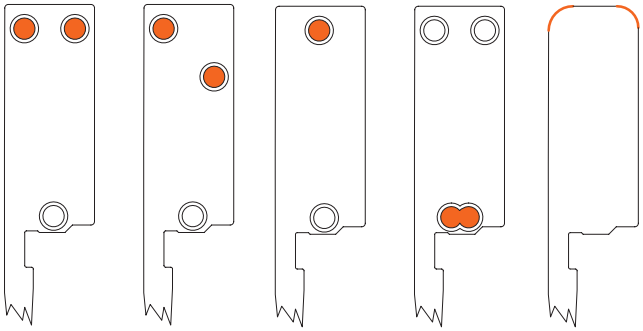
G Grey Powder Coating

X Stainless Steel

Each electric release series has it's standardized FINISHES. If you require other FINISHES, query delivery times

CODIFICATION EXAMPLE: 10X — Face plate 10 + Stainless Steel

POSSIBILITIES OF SETTING



CODE	REFERENCE
10	S
11	S22mm
12	P
13	P22mm
14	B
15	B22mm
16	F53
17	F54
18	SX77 (Din Left)
19	SX77 (Din Right)
20	YB
21	G
22	M
23	L
24	L22mm
25	T
26	T22mm
27	GE

CODE	REFERENCE
28	OVAL
29	F101
30	F102
31	F103
32	F104
33	W
34	GX77 (Din Left)
35	GX77 (Din Right)
36	H1 (Din Left)
37	H1 (Din Right)
38	YG
39	H2 (Din Left)
40	H2 (Din Right)
41	YS
42	YL
43	P47
44	R47
45	L47

Different FINISHES for fixing the plate are available, diagonal holes, only one middle hole or a double hole groove for attaching the electric release. Also rounded corner plates under request.

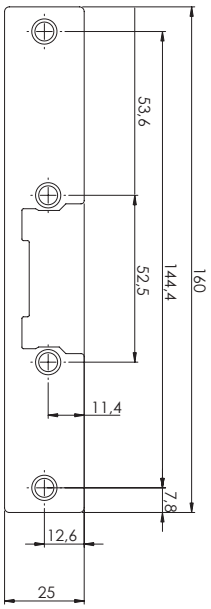
FACE PLATES COMPATIBILITY

		S	S22mm	P	P22mm	B	B22mm	F53	F54	SX77 Din left	SX77 Din right	YB	YS	P47	R47	G	M	L	L22mm	T	T22mm	GE	OVAL	F101	F102	F103	F104	W	GX77 Din left	GX77 Din right	H1 Din left	H1 Din right	YG	H2 Din left	H2 Din right	YL	L47
		10	11	12	13	14	15	16	17	18	19	20	41	43	44	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	42	45
		SHORT FACE PLATES														LONG FACE PLATES																						
STANDARD SERIES	30/58	●	-	●	-	-	-	●	●	-	-	-	-	-	-	●	-	●	-	●	-	●	●	●	●	●	●	-	-	-	●	●	-	●	●	-	-
	45/44	●	-	●	-	●	-	●	●	-	-	-	-	-	-	●	●	●	-	●	-	●	●	●	●	●	●	-	-	-	-	-	-	-	-	-	-
	54	●	-	●	-	●	-	●	●	-	-	-	-	-	-	●	●	●	-	●	-	●	●	●	●	●	●	-	-	-	●	●	-	●	●	-	-
	41	●	●	●	●	●	●	●	●	-	-	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	●	●	-	●	●	-	-
	42/43	●	●	●	●	●	●	●	●	-	-	-	-	-	-	●	-	●	●	●	●	●	●	●	●	●	●	-	-	-	●	●	-	●	●	-	-
	20/21/27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	22/23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	34	●	●	●	●	●	●	-	-	-	-	-	-	-	-	●	●	-	-	●	-	●	●	-	-	-	-	-	-	-	●	●	-	●	●	-	-
SPECIAL SERIES	99	●	●	●	●	●	●	●	●	-	-	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	●	●	-	●	●	-	-
	99TOP	●	●	●	●	●	●	●	●	-	-	●	●	-	-	●	-	●	●	-	●	-	-	●	●	●	●	-	-	-	-	-	●	-	-	●	-
	56	●	-	●	-	●	-	●	●	-	-	-	-	-	-	●	●	●	-	●	-	●	●	●	●	●	●	-	-	-	-	-	-	-	-	-	-
	62 *	●	-	●	-	-	-	-	-	-	-	-	-	-	-	●	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-
	50	●	-	●	-	●	-	●	●	-	-	-	-	-	-	●	●	●	-	-	-	-	-	●	●	●	●	-	-	-	-	-	-	-	-	-	-
	52	●	-	●	-	●	-	●	●	-	-	-	-	-	-	●	●	●	-	-	-	-	-	●	●	●	●	-	-	-	-	-	-	-	-	-	-
	77	-	-	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-
	82/82P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	47	-	-	-	-	-	-	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●
	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

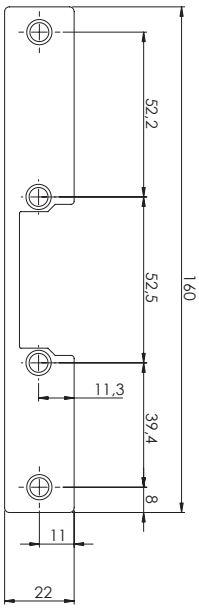
- Face plate not compatible with the model
● Face plate compatible with the model
● Face plate compatible in 90 mm version. See hand for 104mm version
* 62 Series needs a modification on the face plate for commutation version. Ask if want to order another face plate.

SHORT PLATES

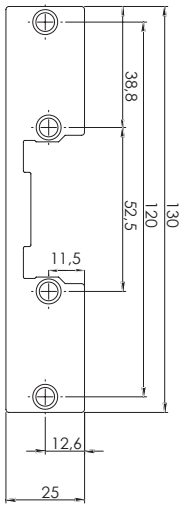
S (10)



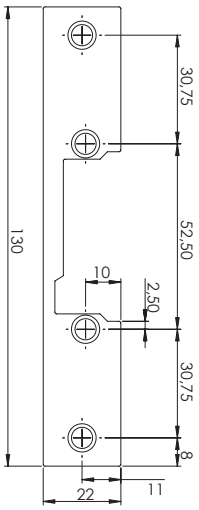
S22mm (11)



P (12)

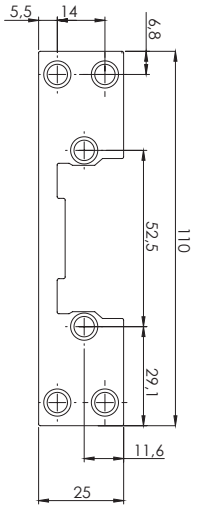


P22mm (13)

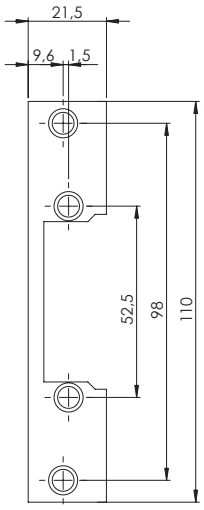




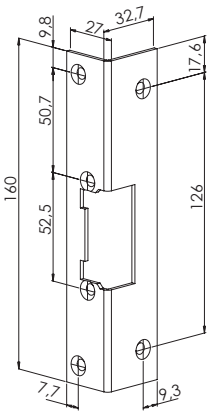
B (14)



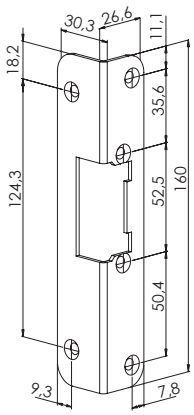
B22mm (15)



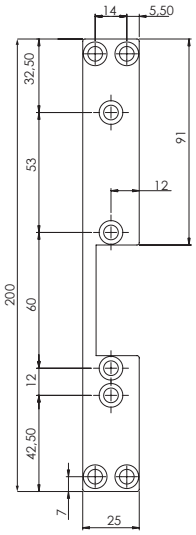
F53 (16)



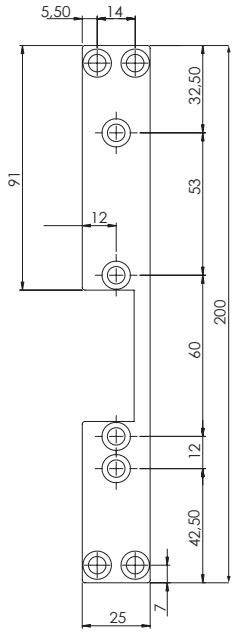
F54 (17)



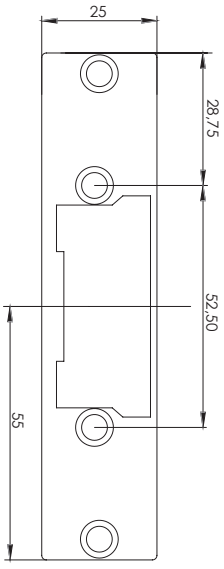
SX77 (Din left) (18)



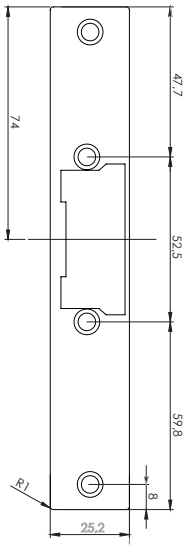
SX77 (Din right) (19)



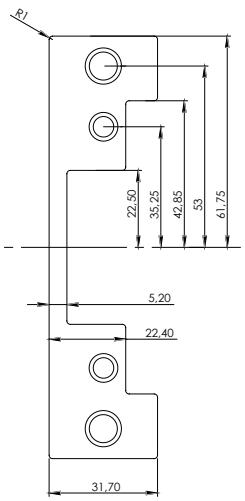
YB (20)



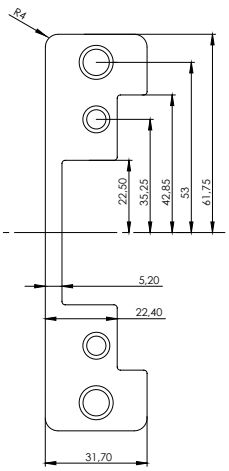
YS (41)



P47 (43)

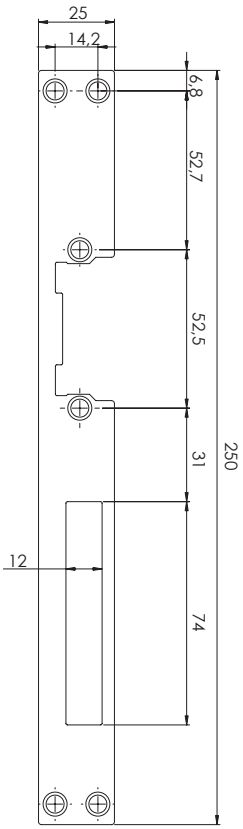


R47 (44)

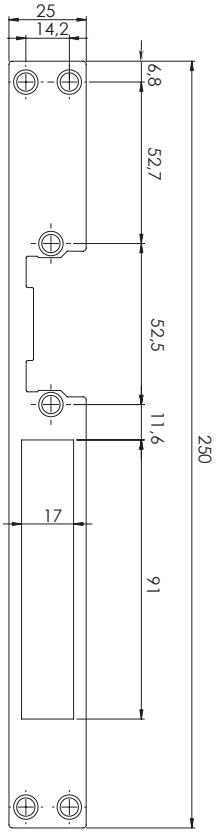


LONG PLATES

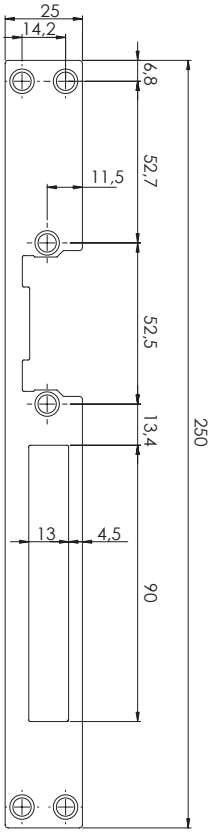
G (21)



M (22)

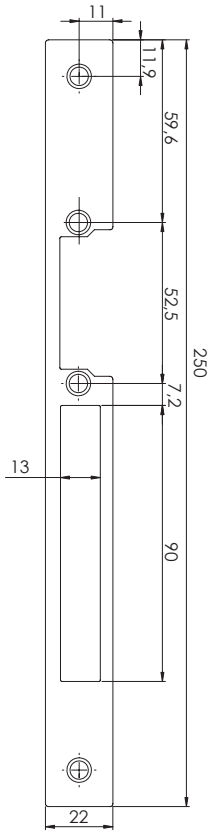


L (23)

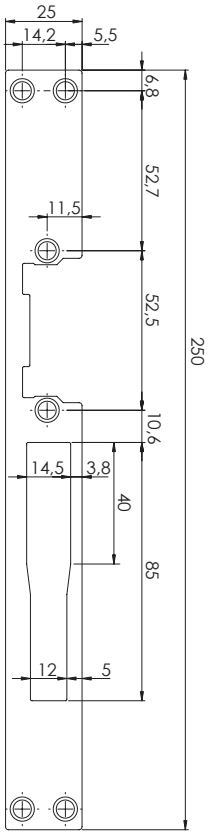




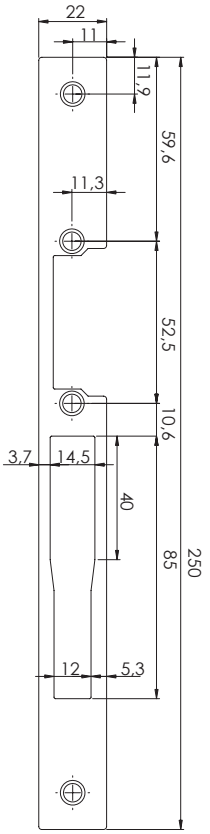
L22mm (24)



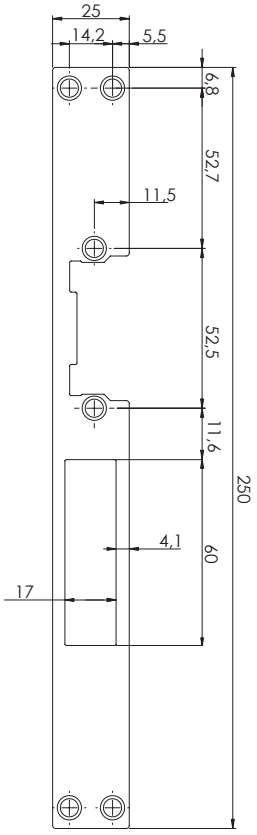
T (25)



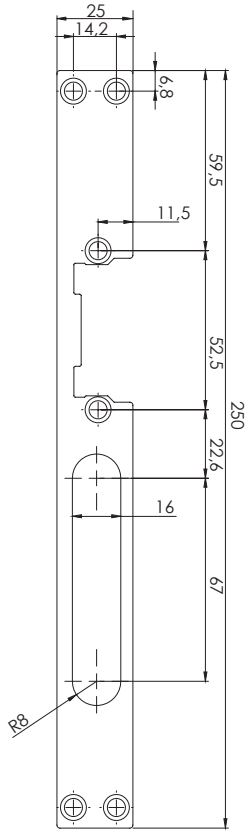
T22mm (26)



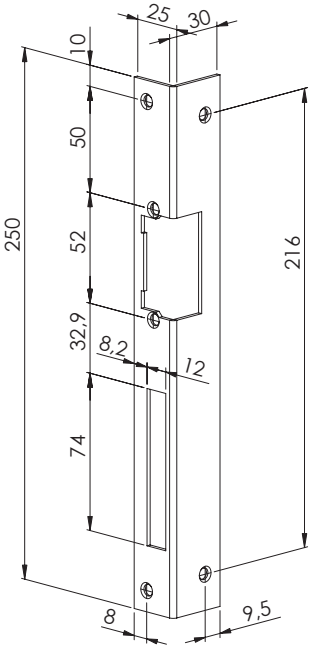
GE (27)



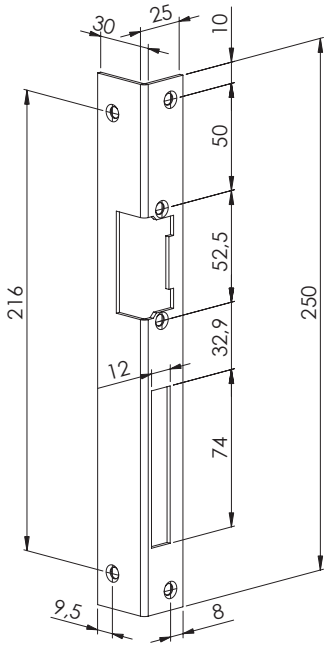
OVAL (28)



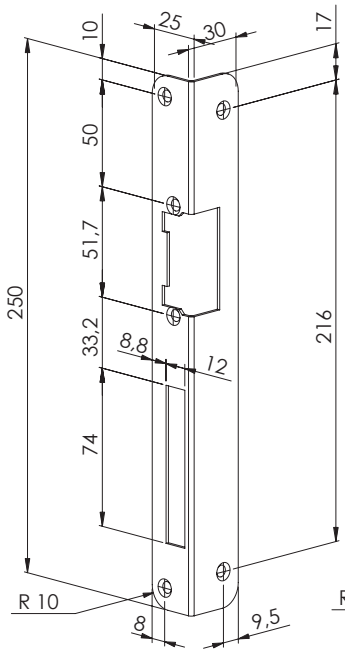
F101 (29)



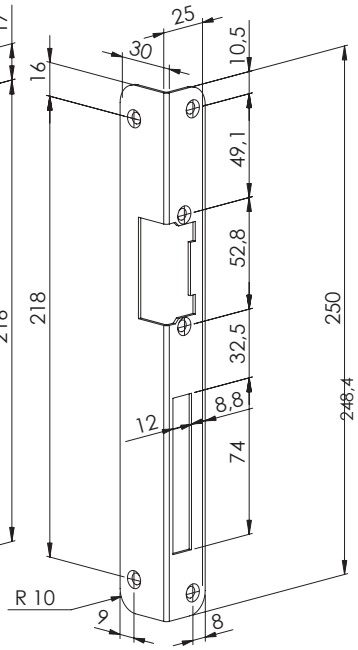
F102 (30)



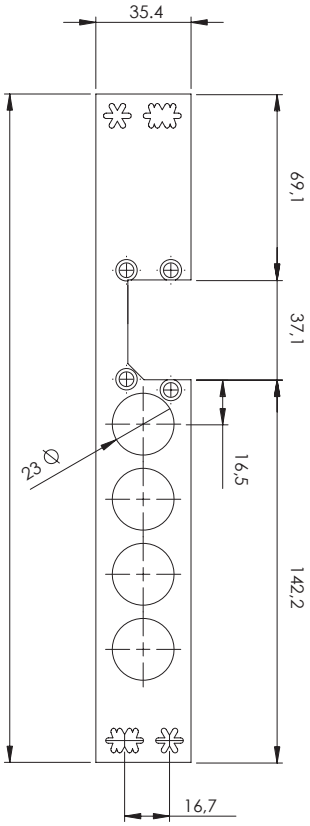
F103 (31)



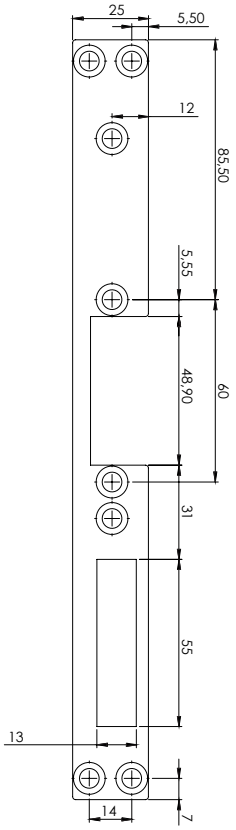
F104 (32)



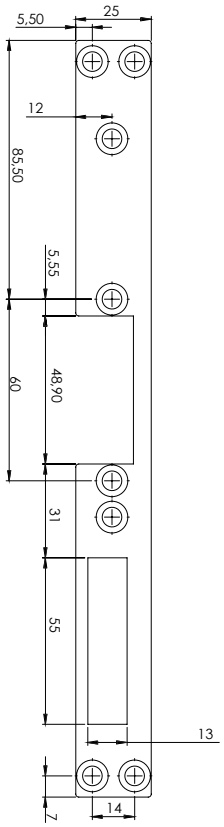
W (33)



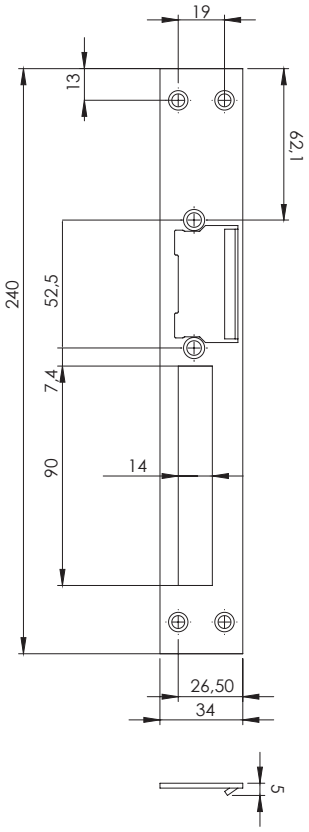
GX77 (Din left) (34)



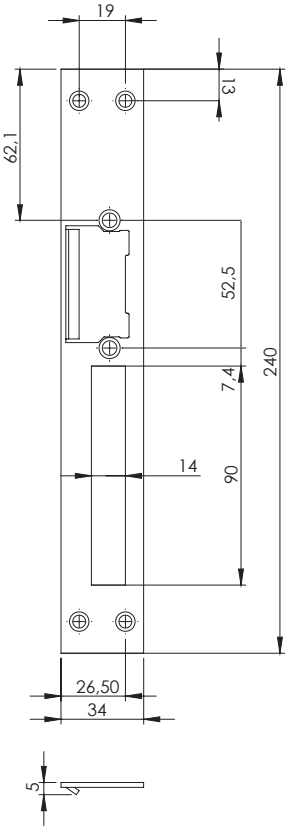
GX77
(Din right) (35)



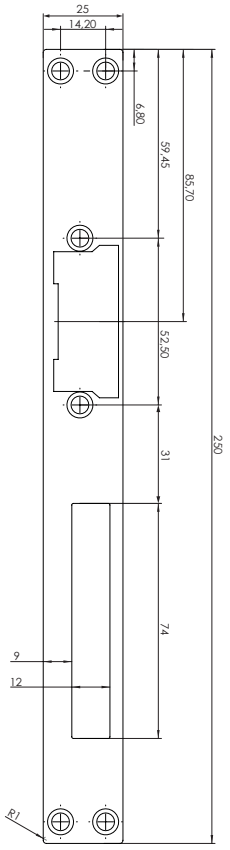
H1
(Din left) (36)



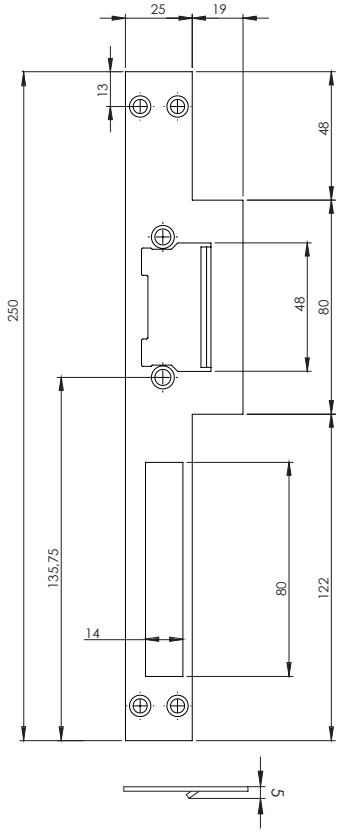
H1
(Din right) (37)



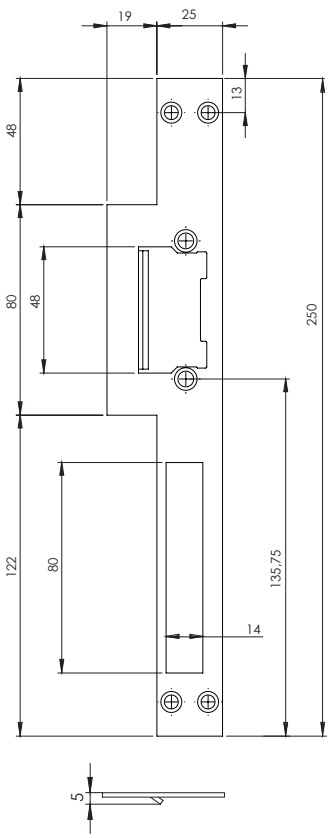
YG (38)



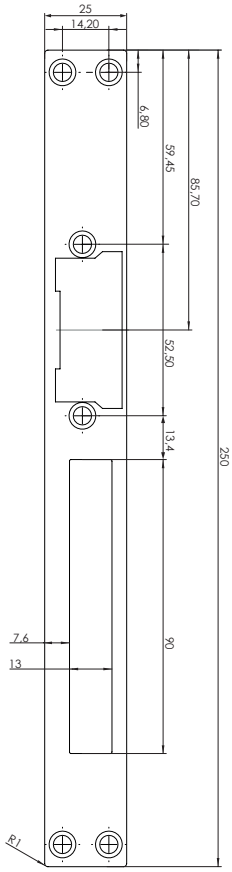
H2
(Din left) (39)



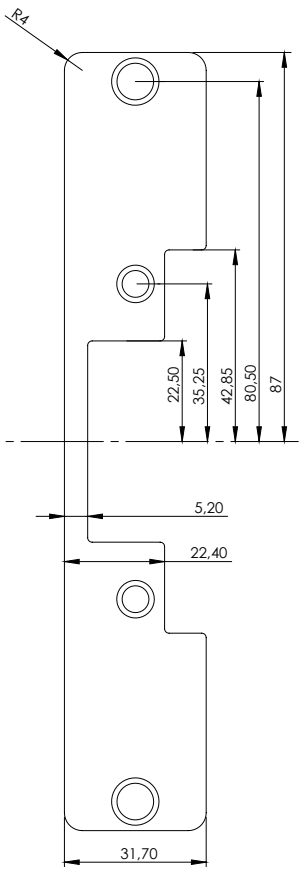
H2
(Din right) (40)

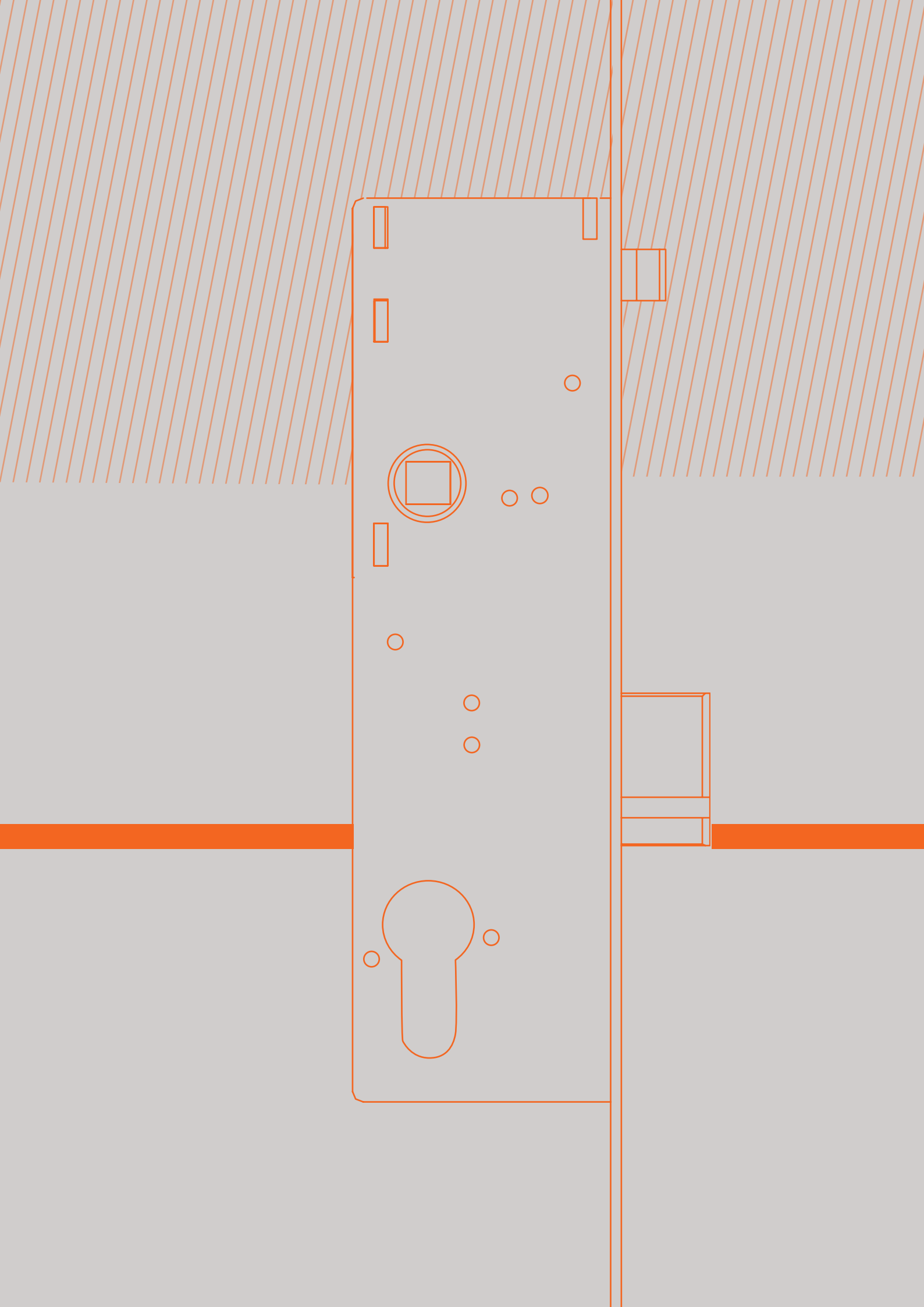


YL (42)



L47 (45)





ELECTRIC

LOCKS

DORCAS

DORCAS DUO

MAXIMUM SECURITY

Electric lock bolt "DUO" consists of an electrical part (Duo E) installed on the door frame and a mechanical part embeded in the door (Duo Mec). When it closes, a precharged part enters into the bolt automatically. If we close manually, always the automatic locks is activated, we can also use a key for this. Therefore, the safety and comfort that Duo provides is very significant. Lock is very solid and has anticard system for thieves. Easy to install with the ajustment supplies, that also fixes the appropiate distance between the electric part and the mechanical part. The sizes of both parts in line with most common locks and releases. That is why it is an ideal solution for replacements.



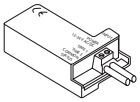
- NEIGHTBOURHOODS
- COMFORT
- VERSATILE
- EASY TO INSTALL

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

*Duo 20/85 has no automatic lock

TECHNICAL CHARACTERISTICS					
High	268,7 mm				
Width	* mm				
Depth	25,3 mm				
Cycles tested on power electricity	200.000				
Operating temperature range	-10 °C a +50 °C				
	STANDARD DUO · MONITORING				DAY & NIGHT DUO
	12 VAC	12 VDC	24 VAC	24 VDC	12 VAC/DC
Coil resistance (Ω)	8	8	32	32	10
VDC consumption (mA)		1500		750	1200
VAC consumption (mA)	1200		600		960
Stationary VDC consumption (mA)					80
VAC Stationary consumption (mA)					170

BOOSTER — It is recommended in installations where the functioning voltage is not guaranteed



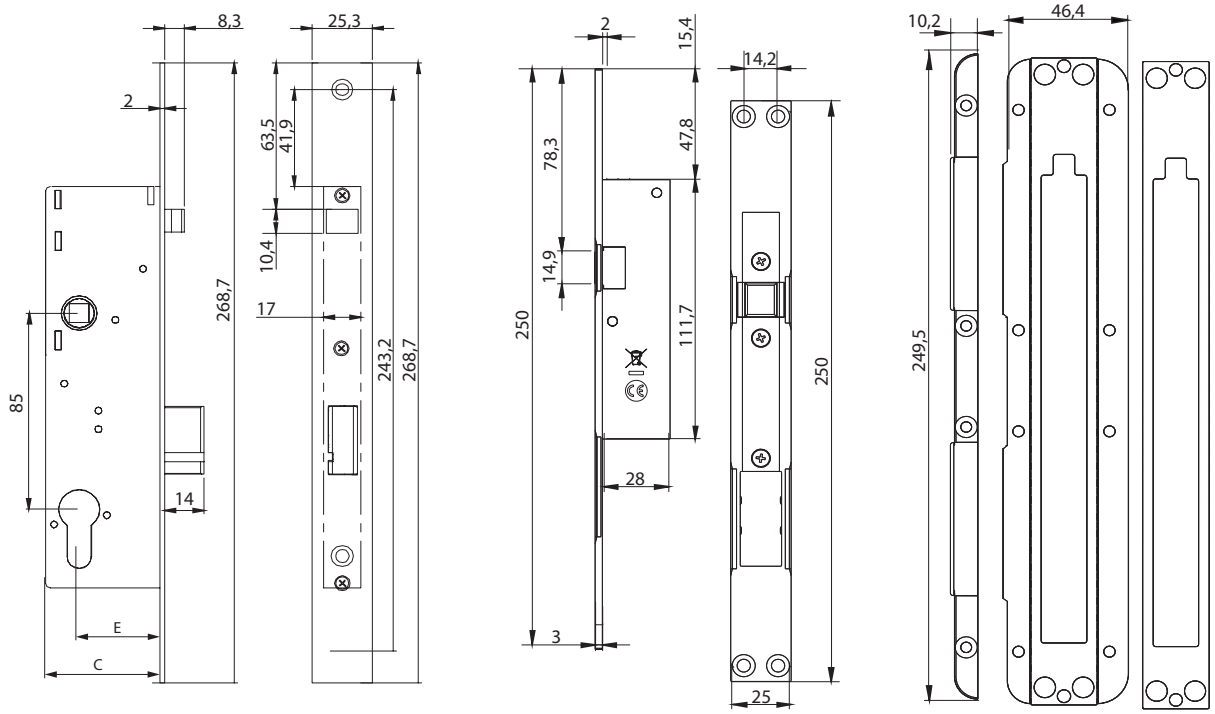
POWER SUPPLIES — **For a suitable performance we recommend:**

AC 12V TF3  TF5  DC 12V

AC 24V TF8  TF7  DC 24V

Accesories section page 106

MECHANICAL PART	ELECTRICAL PART	SUPPLEMENTS





CODE	BACKSET	ELECTRICAL PART	MECHANICAL PART	BOOSTER
DUO 20/85	20 mm	●	●	
DUO 25/85	25 mm	●	●	
DUO 25/85 MEC	25 mm		●	
DUO 30/85	30 mm	●	●	
DUO 30/85 MEC	30 mm		●	
DUO 35/85	35 mm	●	●	
DUO 35/85 MEC	35 mm		●	
DUO 40/85	40 mm	●	●	
DUO 40/85 MEC	40 mm		●	
DUO 50/85	50 mm	●	●	
DUO 50/85 MEC	50 mm		●	
DUO 60/85	60 mm	●	●	
DUO 60/85 MEC	60 mm		●	
DUO E		Common		
ET				●

Reference is composed by "DUO" plus the distance between frontal to lock / distance between lock and handle.
Booster available for 20/85 DUO model.

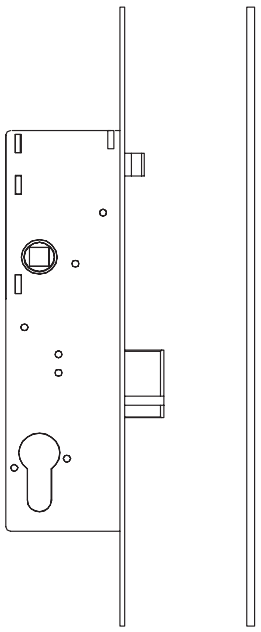
CODIFICATION EXAMPLE: DUO 50/85 — Electric lock DUO with 50mm between frontal to lock and 85mm between lock and handle

It is served in VAC. If you wish VDC please write VDC after the reference

DORCAS

MECHANICAL DUO PART

Designed for installations that do not require electrical wiring. You can replace Duo E by a plate that enables the Duo Mec bolt to enter in the frame. It is an ideal choice for intermediate doors, storage rooms, neighbours communities...



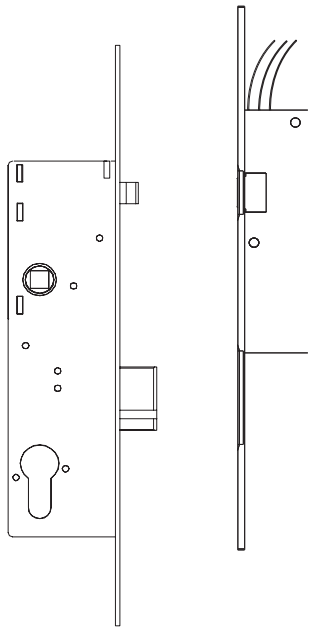
- NO NEED OF WIRING
- SPECIALLY DESIGNED FOR STORAGE ROOMS, PARKINGS OR INTERMEDIATE DOORS

CODE	BACKSET	ELECTRICAL PART	MECHANICAL PART	BOOSTER
DUO 20/85 M	20 mm		●	
DUO 25/85 M	25 mm		●	
DUO 30/85 M	30 mm		●	
DUO 35/85 M	35 mm		●	
DUO 40/85 M	40 mm		●	
DUO 50/85 M	50 mm		●	
DUO 60/85 M	60 mm		●	

CODIFICATION EXAMPLE: DUO 50/85 MF — Electric lock Mechanical DUO with 50mm between frontal to lock and 85mm between lock and handle

MONITORING DUO

It incorporates a third wire output that enables a open/closed signal, activating an alarm or any additional function. It was developed for its use in systems with some kind of access controls.

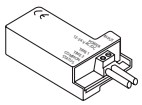


- THIRD WIRES OUTPUT
- SPECIALLY DESIGNED FOR ACCESS CONTROLS

CODE	BACKSET	ELECTRICAL PART	MECHANICAL PART	BOOSTER
DUO 20/85 305	20 mm	●	●	
DUO 25/85 305	25 mm	●	●	
DUO 30/85 305	30 mm	●	●	
DUO 35/85 305	35 mm	●	●	
DUO 40/85 305	40 mm	●	●	
DUO 50/85 305	50 mm	●	●	
DUO 60/85 305	60 mm	●	●	
DUO E 305		Common		
ET				●

For monitoring DUO (305) electric and mechanical parts are specific. For replacement are both necessary.

BOOSTER — Use in combination with the DUO in installations where the operating voltage is not guarenteed is recommended.

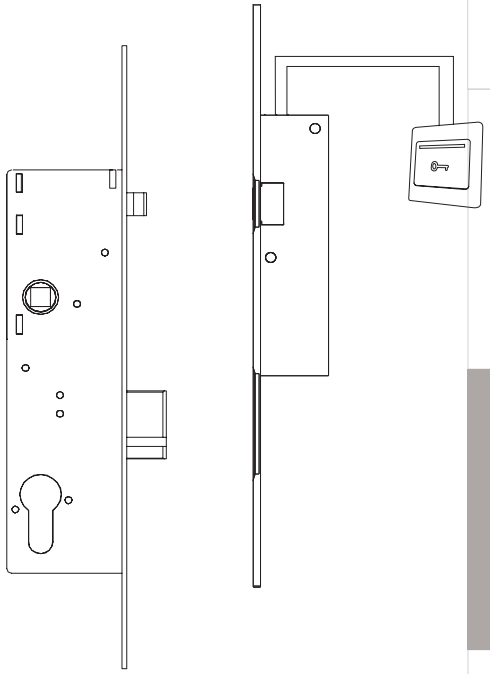


CODIFICATION EXAMPLE: DUO 25/85 CM — Electric lock monitored with 25 mm between frontal to lock and 85 mm between lock and handle.

It is served in VAC. If you wish VDC please write VDC after the reference

NIGHT and DAY DUO

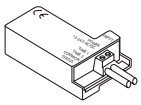
In this version of Duo you can habilitate a separate button in which a pulse disarms the electrical part and the door is open, a new pulse resets the lock once we have opened and then closed the door. It has been developed for situatiion where someone controls the accecces during certain hours of the day (neightbour doorkeepers, businesses...)



- ELECTRONIC DELAY ACTION
- SPECIALLY DESIGNED NEIGHBOURS DOORKEEPERS, BUSINESSES

CODE	BACKSET	ELECTRICAL PART	MECHANICAL PART	BOOSTER
DUO 20/85 DN	20 mm	●	●	
DUO 25/85 DN	25 mm	●	●	
DUO 30/85 DN	30 mm	●	●	
DUO 35/85 DN	35 mm	●	●	
DUO 40/85 DN	40 mm	●	●	
DUO 50/85 DN	50 mm	●	●	
DUO 60/85 DN	60 mm	●	●	
DUO E DN		Common		
ET				●

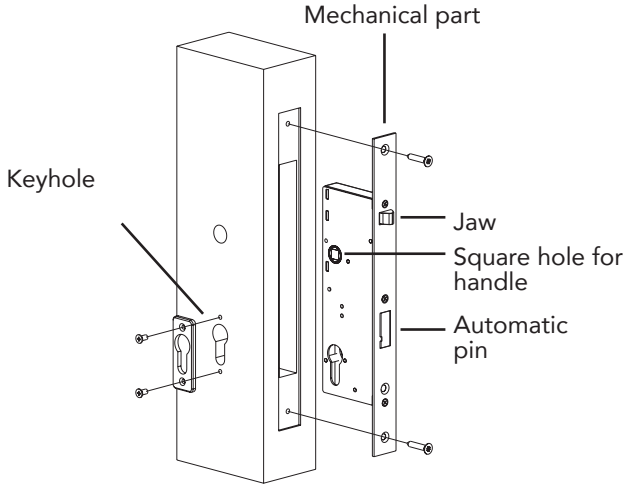
BOOSTER Use in combination with the DUO in installations where the operating voltage is not guarenteed is recommended.

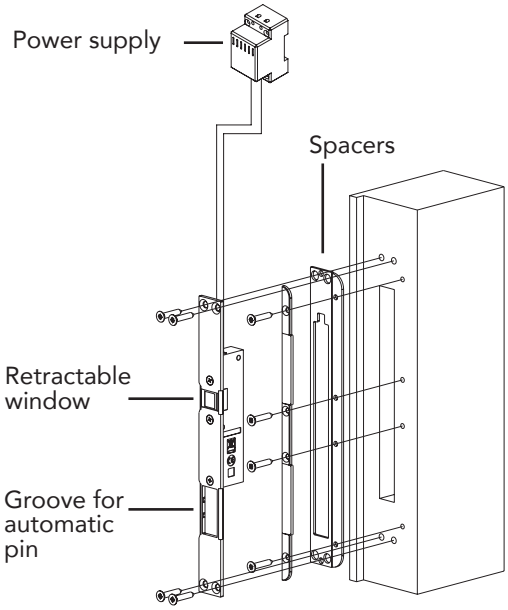


CODIFICATION EXAMPLE: DUO 35/85 DN Electric lock Night and Day DUO with 35mm between frontal to lock and 85mm between lock and handle

Works in VDC.

INSTALLATION DRAWING





New

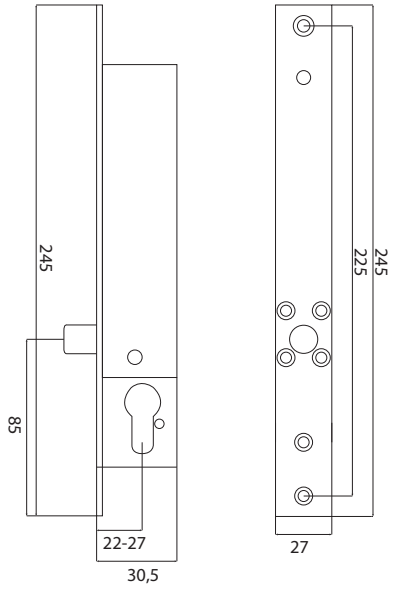
DORCAS

ELECTRIC DROPBOLT V10

Electric bolt provided with adjustable timing. It works from 12 to 24V in VDC. It works both in fail safe mode and fail secure mode. It is stainless steel made and fireproof



- SLIM/NARROW
- TIMED DELAY
- FAIL SECURE - FAIL SAFE
- MONITORING
- MECHANICAL OR ELECTRICAL OPENING

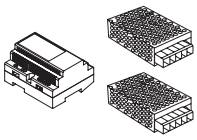




TECHNICAL CHARACTERISTICS	Electric bolt / Faceplate			
High	150 mm / 245 mm			
Width	27 mm / 27 mm			
Depth	38,5 mm / 3 mm			
Operating temperature range	-20 °C to +50 °C			
Monotoring	Double: Door and close status sensor.			
Timed	Choose between 0, 3 and 6 seconds.			
Material	Stainless steel			
	Fail secure 412	Fail secure 424	Fail safe 512	Fail safe 524
	12 VDC	24 VDC	12 VDC	24 VDC
VDC consumption (mA)	1500	850	1500	850
VDC Stationary consumption (mA)	200	300	200	300

POWER SUPPLIES

For a suitable performance we recommend: AC 12V TF3



TF5 DC 12V

TF7 DC 24V

Accesories section page 106

CODE	
V10	Electric dropbolt V10

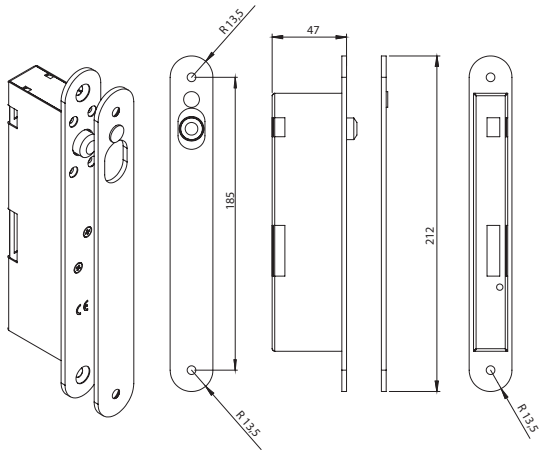
CODIFICATION EXAMPLE: V10 Electric dropbolt V10

DORCAS
ELECTRIC DROPBOLT V7

V7 Electric bolt functions in a normally closed position; when the door is closed the bolt is recieving power, when the power is cut the bolt hides and the door opens. When the door is closed agains, a built in magnet detects the position and activates the bolt locking the door again. The device is very narrow (22mm) making V7 suitable for all type doors , it is Non handed too and is optimum for banks , access controls, security installations...

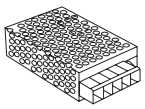


- REINFORCED PIN
- SLIM/NARROW
- 12-24 VAC/VDC
- EASY TO INSTALL
- TIMED DELAY ACTION
- MONITORING





TECHNICAL CHARACTERISTICS	Electric bolt / Faceplate	
High	212 mm / 212 mm	
Width	27 mm / 27 mm	
Depth	47 mm / 3 mm	
Operating temperature range	-20° C a +50 °C	
	Fail safe 512	Fail safe 524
	12 VDC	24 VDC
VDC consumption (mA)	1000	600
VDC Stationary consumption (mA)	200	130

POWER SUPPLIES	For a suitable performance we recommend:	DC 12V	TF5		Accesories section page 106

CODE	
V7	Electric dropbolt V7
V70	Rim installation accesories

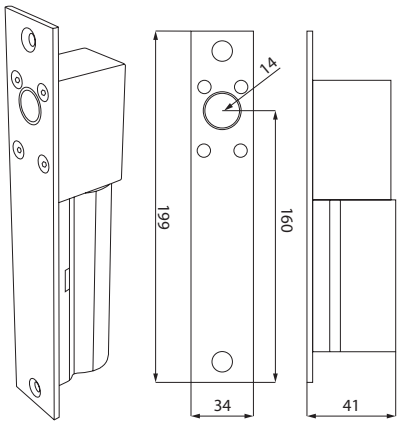
CODIFICATION EXAMPLE: V7 Electric dropbolt V7

DORCAS
ELECTRIC DROPBOLT V11

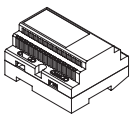
V11 Electric bolt works in "fail safe" mode protecting user´s safety in situations of power failure. It operates at 12VDC and has 4 levels of opening timing (0, 3, 6 and 9 seconds). The lock has a built in sensor on the bolt that monitorices if the door is open or closed.



- TIMED DELAY ACTION
- MONITORING
- LOW CONSUMPTION



TECHNICAL CHARACTERISTICS	
High	199 mm
Width	34 mm
Depth	41 mm
Operating temperature range	-
Monitoring	Door and bolt sensor.
Timed	Choose between 0, 3, 6 and 9 seconds.
Material	Aluminium
	Fail safe 512
	12 VDC
VDC consumption (mA)	800
VDC Stationary consumption (mA)	90

POWER SUPPLIES	For a suitable performance we recommend:	DC 12V	TF4 	Accesories section page 106

CODE	
V11	Electric dropbolt V11

CODIFICATION EXAMPLE: V11 Electric dropbolt V11

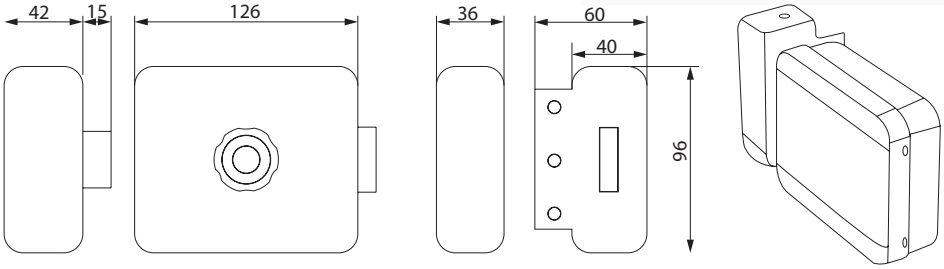
New

DORCAS ELECTRIC RIM LOCK D94

D94 is a Non handed motorized rim mounted installation electric lock. It has a beeper indicator of opening and closing and a autoblocking jaw function. It can be connected to all kind of access controls and stands out for its low electric consumption. The opening can be done by remote control, card access (up to 2000 users)



- MONITORING
- SUITABLE WITH ALL ACCESS CONTROL TYPES
- STRENGHT
- SILENT
- LED INDICATOR
- LOW CONSUMPTION



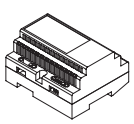


TECHNICAL CHARACTERISTICS	
High	96 mm
Width	126 mm
Depth	42mm
	12 VDC
VDC consumption (mA)	100
VDC Stationary consumption (mA)	60
Read range	5-15 meters
Number of users	2000
Wireless remote control	Up to 500 meters
Status Indicator	Led

CODE	
D94	Motorized electric rim lock

POWER SUPPLIES

For a suitable performance we recommend: DC 12V TF4



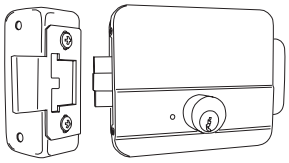
Accesories section page 106

DORCAS

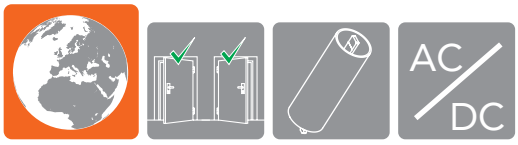
ELECTRIC RIM LOCK D96

D96 is a Non handed adjustable external cylinder (50 -70mm) rim installation lock. It works both in AC and DC, is waterproof and its coil is sealed. The outer cylinder has a standard length of 50mm. With the "CL" extension you can give a cylinder maximum length of 90mm. D96/B variant incorporates a button that habilitates just the electric opening function.



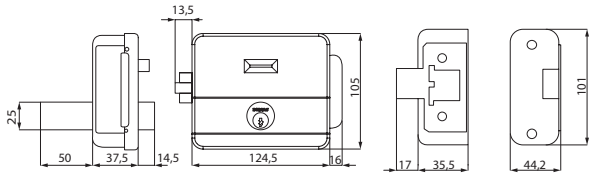


- UNIVERSAL
- NON HANDED
- ADJUSTABLE EXTERNAL CYLINDER
- AC/DC
- WATERPROOF COIL

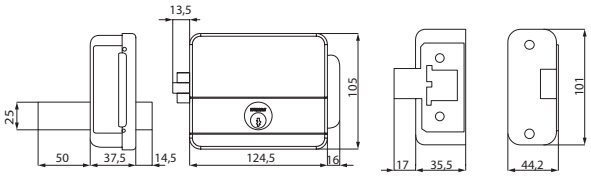


TECHNICAL CHARACTERISTICS		
High	105 mm	
Width	124,5 mm	
Depth	37,5 mm	
	12 VDC	12 VAC
Coil resistance (Ω) (Ω)	7,3	7,3
VDC consumption (mA)	1700	
VAC consumption (mA)		815

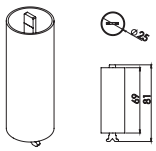
D96/B



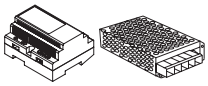
D96/C



CYLINDER EXTENSION



POWER SUPPLIES

For a suitable performance we recommend: AC 12V TF3  TF6 DC 12V

Accesories section page 106

CODE	
D96/B	Inside button or electrical opening
D96/C	Inside key opening
CL	Cylinder Extension

DORCAS

ELECTRIC RIM LOCK D97-D98

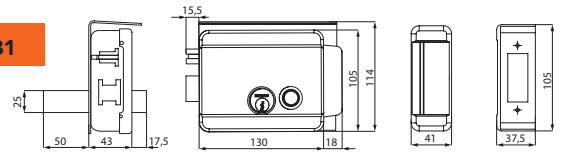
D97 is a surface rim installation lock with regulable external cylinder, long wires output and a top cover. It is available for Din right or din left and is provided with 5 keys. It works in DC and it´s color is grey. It has an inside cylinder that blocks the opening button with the key. We can also used for only electric opening.

D98 stands out for its inside and outside opening function. The direccion of the blocking can be reversed manually, the external cylinder is regulable and the inside cylinder allows to block the button. It is provided with 5 keys and there are Din right and Din left versions available.

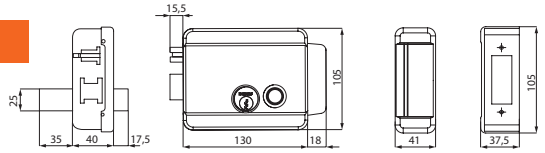


- LONG WIRES OUTPUT
- INTERNAL CYLINDER WHICH ALLOWS THE OPENING BUTTON BLOCK
- INDICATED FOR INSIDE AND OUTSIDE OPENING
- MANUAL UNLOCKING AVAILABLE

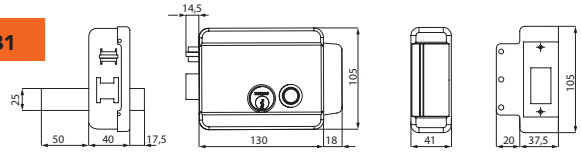
D97/B1



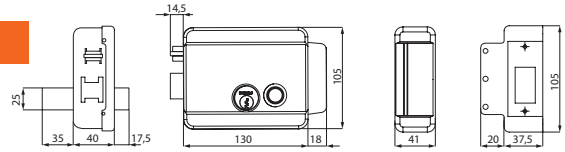
D97/B2



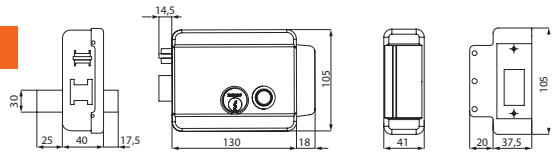
D98/B1



D98/B2



D98/C





TECHNICAL CHARACTERISTICS

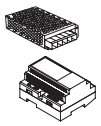
High	96 mm
Width	126 mm
Depth	42 mm
	12 VDC/VAC
Coil resistance (Ω)	4
VDC power consumption (mA)	3000

POWER SUPPLIES

For a suitable performance we recommend:

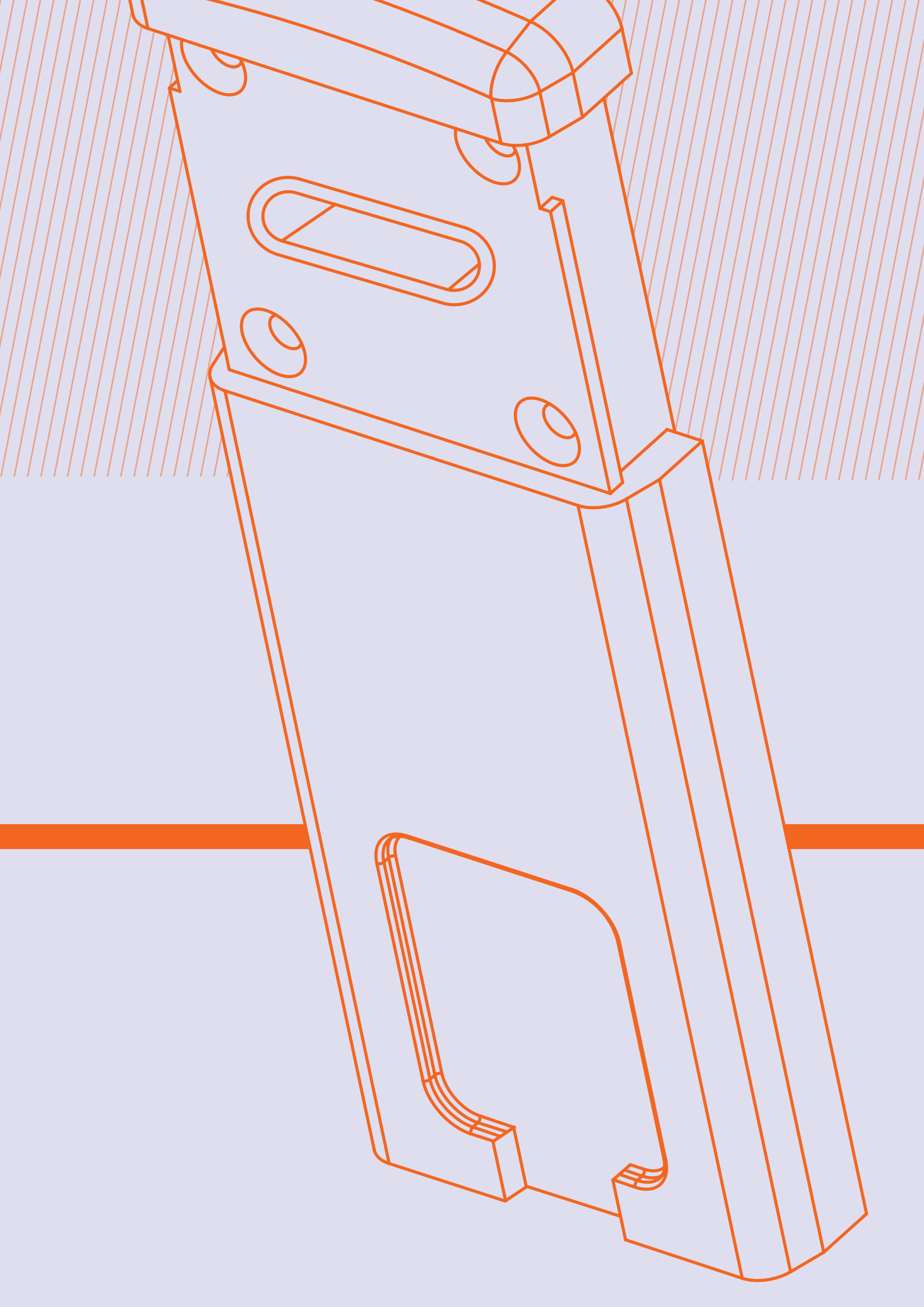
DC 12V TF6

AC 12V TF3



Accesories section page 106

CODE	INTERIOR OPENING, by boton	INTERIOR OPENING, by electricity only	INTERIOR OPENING, by key	LEFT	RIGHT	EXTERNAL CYLINDER, length	FINISHING
D97/B1 D	●	●		●		50 mm	Light grey
D97/B1 I	●	●			●	50 mm	Light grey
D97/B2 D	●	●		●		35 mm	Light grey
D97/B2 I	●	●			●	35 mm	Light grey
D98/B1 D	●	●		●		50 mm	Black
D98/B1 I	●	●			●	50 mm	Black
D98/B2 D	●	●		●		35 mm	Black
D98/B2 I	●	●			●	35 mm	Black
D98/C D			●	●		50 mm	Inox
D98/C I			●		●	50 mm	Inox



SECURITY
CYLINDER SHIELDS

DORCAS

New

DORCAS
COVER CYLINDER

Rim installation device avoids the key access to the cylinder. It allows then a double security opening thanks to codified magnetic badges. It is a perfect solution against anti-hooligan by silicon, glue, shavings, etc... Also it is made of an anti-pick and anti-drill protected strong alloy material. It can be used in combination with economical standard cylinder giving same level of anti-manipulation (anti-bumping) as more expensive security cylinders. It is provided with two magnetic badges and accesories for the installation as well as a serial card number of identification to allow the manufacturer to copy badges (no limit). Badges spare part case is provided for our distributor.





- ANTI-VANDAL
- REINFORCED
- MADE OF STEEL
- ANTI-BUMPING, PICKLOCKS AND THEFTS
- STRONG





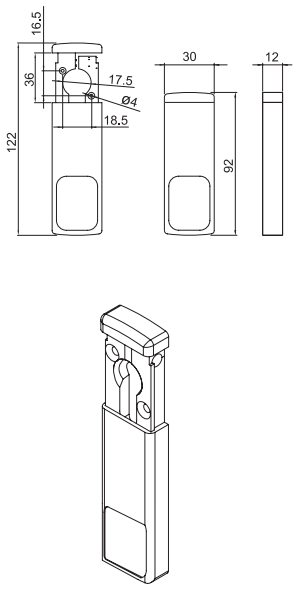






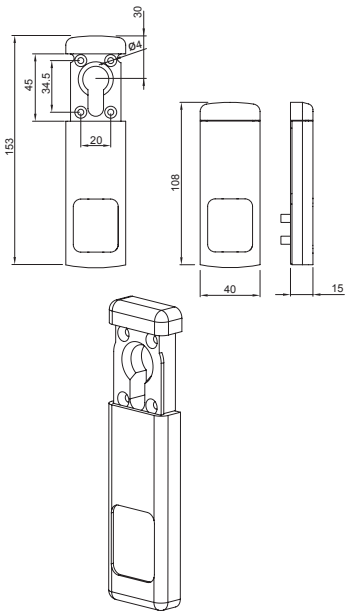
PC1

For euro-profile cylinder and lite doors. One position badge for opening and closing by hand.



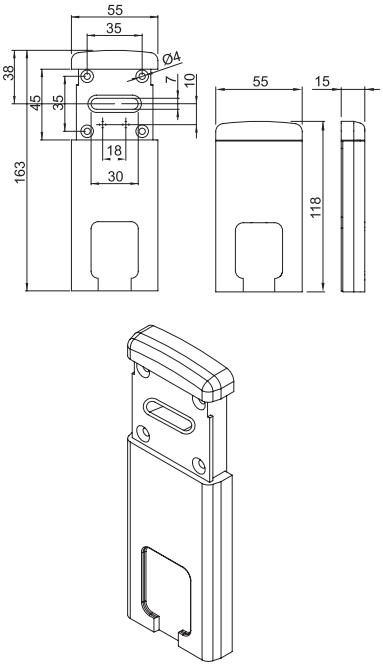
PC2

For euro-profile cylinder and heavie doors. One position badge for opening and another position bage for closing.



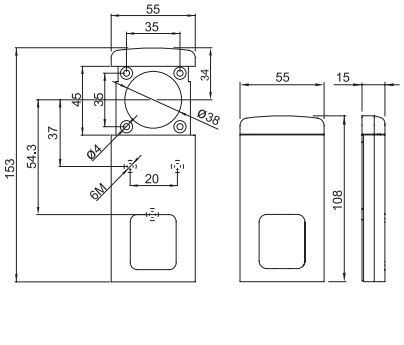
PC3

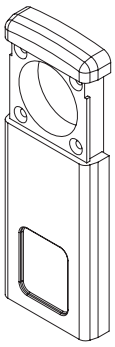
For small bit-key cylinder



PC4

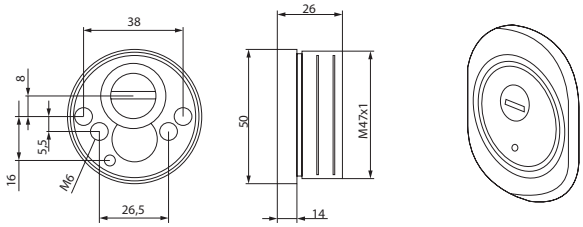
For Yale and Scandinavian profile cylinder types. (38mm diameter)





PC5

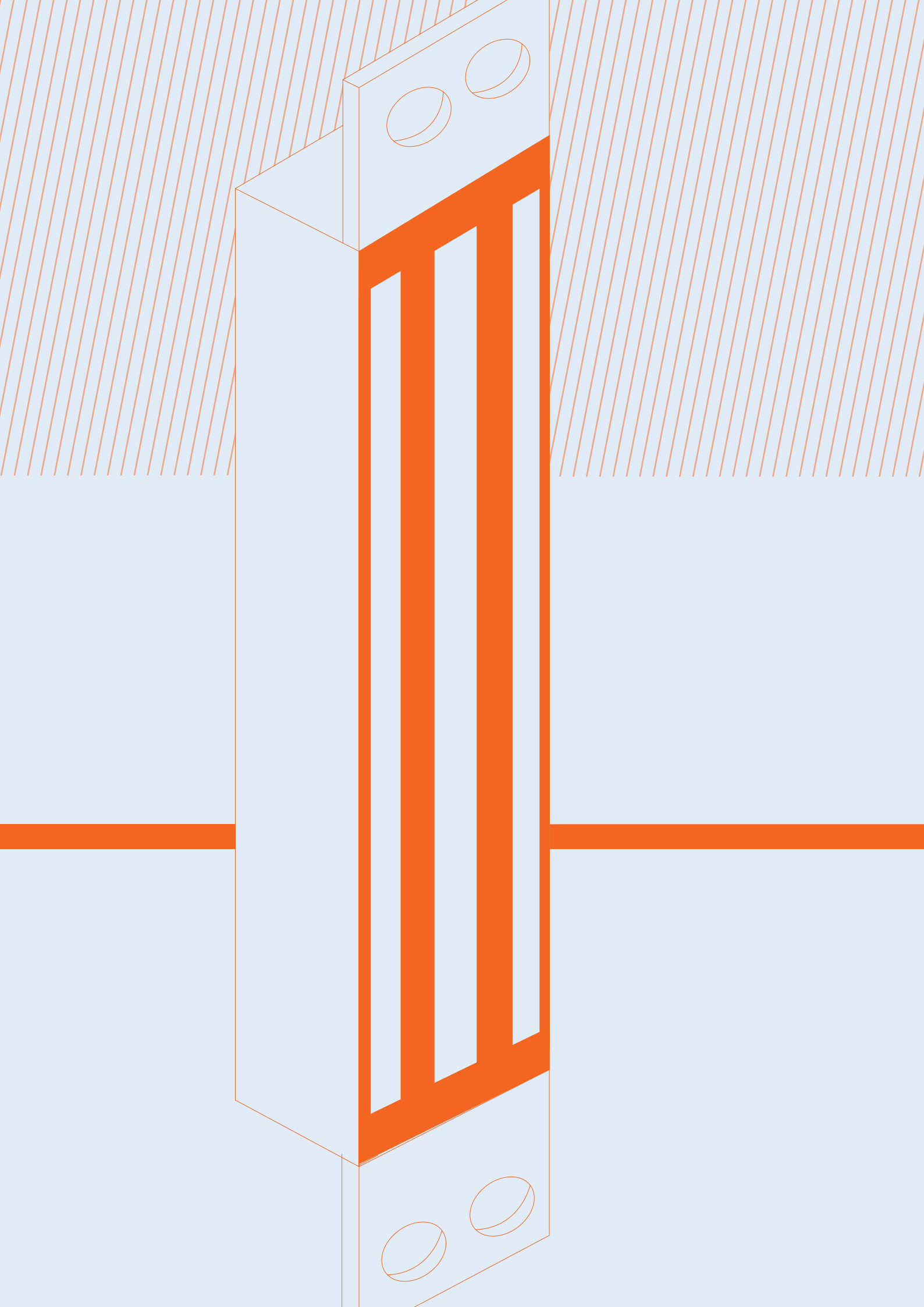
Sliding security shield for Spanish locks.



CODE	DESCRIPTION	OBSERVATIONS
PC 1/X	22094	Stainless steel security cylinder shield
PC 1/L	22094/DO	Brass security cylinder shield
PC 11	22103/L	Magnetic key for PC1
PC 12	22103	20 magnetic keys case for PC1
PC 13/X	22194/A	Stainless steel supplement for PC1
PC 13/L	22194/A/LA	Brass supplement for PC1
PC 2/X	22095	Stainless steel security cylinder shield
PC 2/L	22095/DO	Brass security cylinder shield
PC 21	22102/L	Magnetic key for PC2
PC 22	22102	20 magnetic keys case for PC2
PC 23/X	22195/A	Stainless steel supplement for PC2
PC 23/L	22195/A/LA	Brass supplement for PC2
PC 3/X	22130	Stainless steel security cylinder shield
PC 3/L	22130/DO	Brass security cylinder shield
PC 31	22102/L	Magnetic key for PC3
PC 32	22102	20 magnetic keys case for PC3
PC 4/X	22096	Stainless steel security cylinder shield
PC 4/L	22096/DO	Brass security cylinder shield
PC 41	22102/L	Magnetic key for PC4
PC 42	22102	20 magnetic keys case for PC4
PC 43/X	22096/A	Stainless steel supplement for PC4
PC 43/L	22096/A/LA	Brass supplement for PC4
PC 5/X	22133	Stainless steel security cylinder shield
PC 5/L	22133/DO	Brass security cylinder shield
PC 51	22134	Magnetic key for PC5
PC 52	22334	20 magnetic keys case for PC5

CODIFICATION EXAMPLE: PC 5/X
DESCRIPTION EXAMPLE: 22133

Rounded stainless steel security cylinder shield



ELECTROMAGNETIC LOCKS

DORCAS

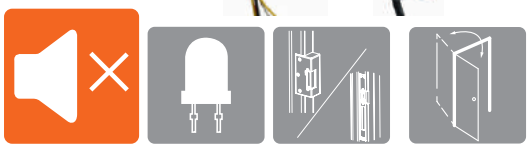
DORCAS
ELECTROMAGNETIC LOCKS

The electromagnetic locks are used to close heavy duty or emergency exit doors. They are connected to an access control and they are energized by a stabilized power supply in 12/24 VDC with battery backup and release the doors when the power si off. They are provided by a Led and a Rely to inform the door is open or closed to the access control. Electromagnetic shearlocks M54 and M55 (750 and 1500 Kg holding force) are suitable for swinging doors or twin door. It´s installation is on top of the door and it´s ideal for narrow aluminum door profiles. With a built-in monitoring system (Door open or closed signal) and varistor included. Rim installation accesory kit on request. 12 or 24V functioning.





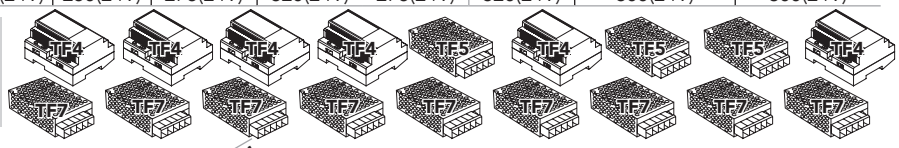
- SILENT
- LED INFORMATON (OPEN/CLOSED)
- RIM/MORTICE MOUNTING
- WITHOUT MECHANICAL WEAR
- SWINGING DOORS
- NARROW ALUMINUM PROFILE DOORS



TECHNICAL CHARACTERISTICS	MORTICE INSTALLATION ELECTROMAGNETIC LOCK		ELECTROMAGNETIC RIM LOCKS						
	M08	**M11**	**M18**	**M33**	**M66**	**M22**	**M44**	**M54**	**M55**
High	167 mm	228 mm	203 mm	254 mm	502 mm	273 mm	532 mm	165 mm	230 mm
Width	34 mm	39 mm	34 mm	43 mm	42 mm	67 mm	67 mm	31 mm	31,5 mm
Depth	20 mm	27 mm	20 mm	25 mm	27 mm	40 mm	40 mm	21,5 mm	27 mm
Holding force	180 Kg	300 Kg	180 Kg	300 Kg	2x300 Kg	500 Kg	2x500 Kg	750 Kg Shear strength	1500 Kg Shear strength
Signaling	-	Reed	-	Reed+Led	Reed+Led	Reed+Led	Reed+Led	Reed+Led	Reed
Functioning	12/24 Vdc	12/24 Vdc	12/24 Vdc	12/24 Vdc	12/24 Vdc	12/24 Vdc	12/24 Vdc	12/24 Vdc	12/24 Vdc
VDC power consumption (mA)	350(12V) 250(24V)	550(12V) 275(24V)	350(12V) 250(24V)	550(12V) 275(24V)	1200(12V) 620(24V)	550(12V) 275(24V)	1200(12V) 620(24V)	1200(12V) 600(24V)	600(12V) 300(24V)

POWER SUPPLIES
Accesories section page 106

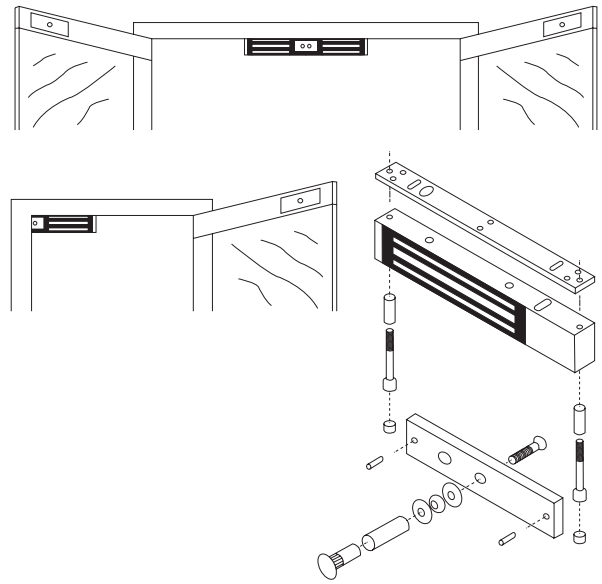
For a suitable performance we recommend: DC 12V / DC 24V



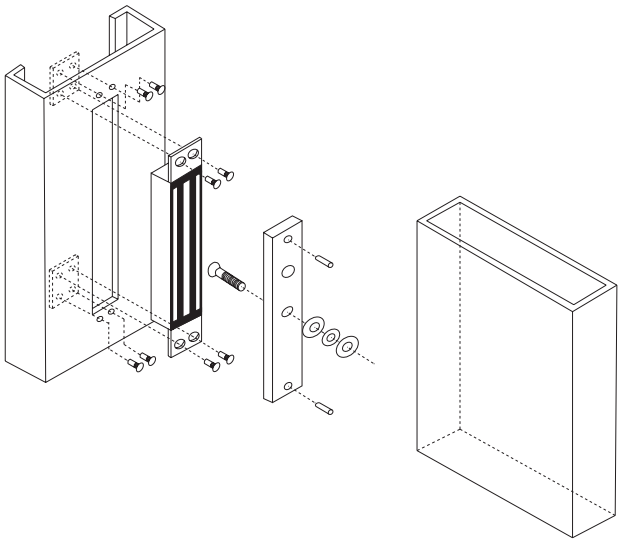
CODE	REFERENCE	DESCRIPTION
M08	M08	Mortice installation electromagnetic lock (Holding force 180 kg)
M11	M11	Mortice installation electromagnetic lock (Holding force 300 kg)
M18	M18	Rim surface installation electromagnetic lock (Holding force 180 kg)
M33	M33	Rim surface installation electromagnetic lock (Holding force 300 kg)
M22	M22	Rim surface installation electromagnetic lock (Holding force 500 kg)
M66	M3333	Rim surface installation electromagnetic lock (Holding force 600 kg)
M44	M2222	Rim surface installation electromagnetic lock (Holding force 1000 kg)
L3	L3	Brackets (for M33 and M66)
L2	L2	Brackets (for M22 and M44)
LZ18	LZ18	Brackets (for M18)
Z	Z	Brackets (for M22, M33, M44 and M66)
U	U	Brackets (for M33 and M66 for glass doors)
M54	M54	Mortice installation electromagnetic lock (Holding force 750 kg)
M55	M55	Mortice installation electromagnetic lock (Holding force 1500 kg)
F	F	Fire accesory

CODIFICATION EXAMPLE: M66
DESCRIPTION EXAMPLE: M3333 → Rim Surface installation electromagnetic lock (Holding force 600 Kg)

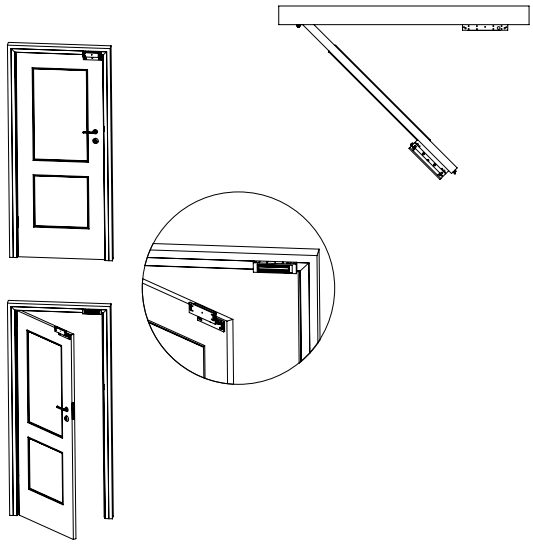
Rim INSTALLATION DRAWING



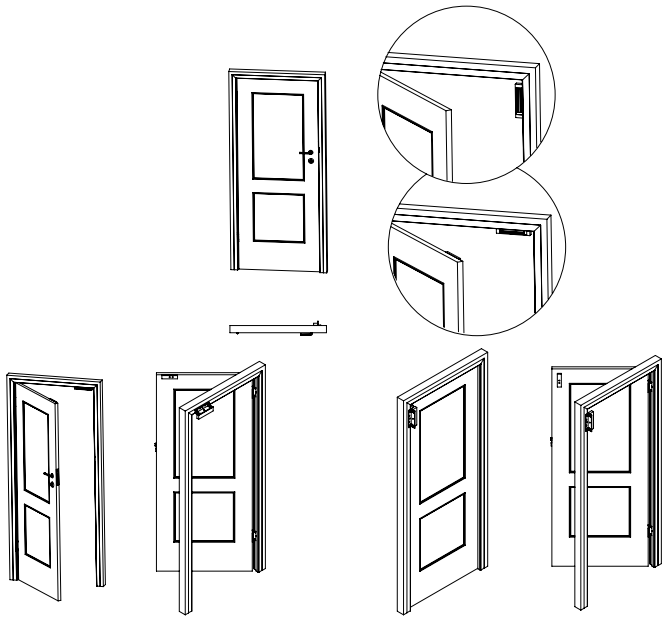
Flush INSTALLATION DRAWING



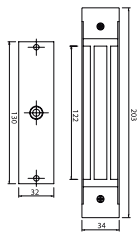
Inward opening



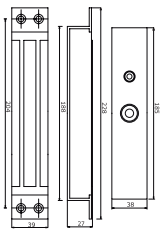
Outward opening



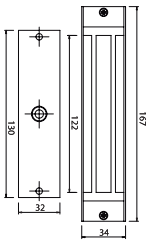
M8



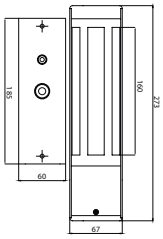
M11



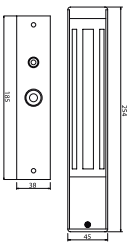
M18



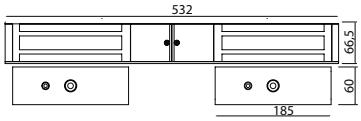
M22



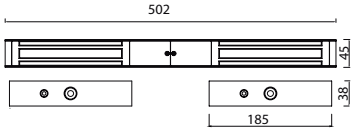
M33



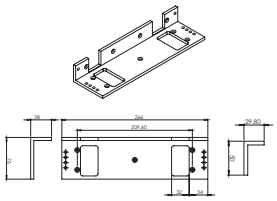
M44



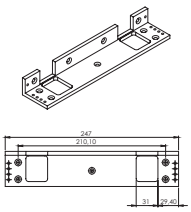
M66



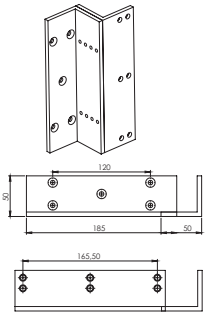
L2



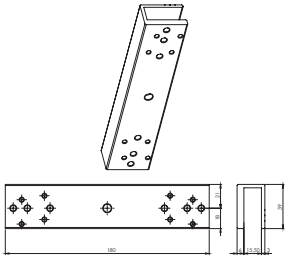
L3



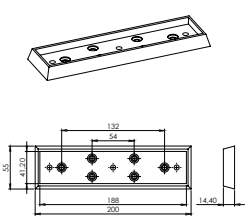
Z



U



F



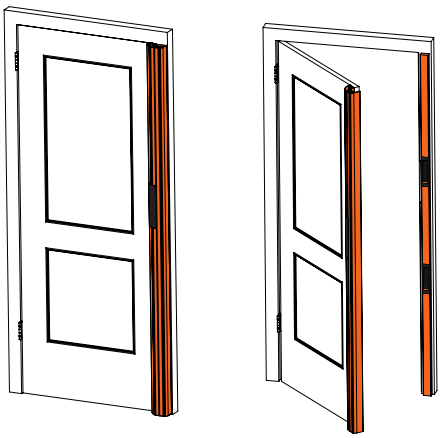
New

DORCAS
PROFAST

PROFAST

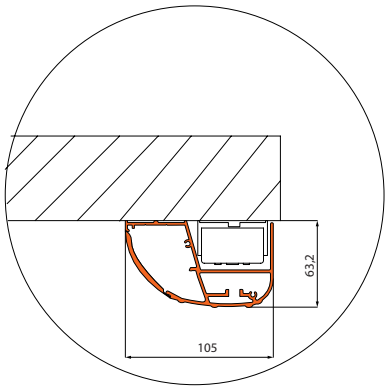


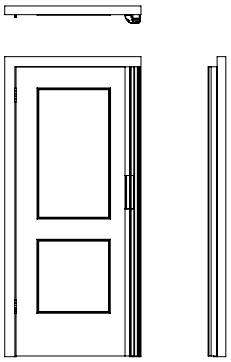
Profast system is a new product made with two aluminum profiles, one mounted in the door and the other one in the door frame. In both of them an electromagnetic rim locks are installed. The system opens throught built-in door handle and when it closes, the profile with the rim locks remains totally hiden. The installation is fast and easy (10 minutes) and the finishing is modern and aesthetic keeping all the wires hiden inside the profiles. This sollution is suitable for offices, shops, public buildings... and suitable for all kind of doors (wood, metal, glass doors...) and it works from 12 to 48V giving the system a holding force up to 600 Kg.



- VERY FAST INSTALLATION
- RIM MOUNTING
- EASY TO INSTALL
- FOR METAL, WOOD AND GLASS DOORS
- ANTI-VANDAL



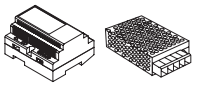




TECHNICAL CHARACTERISTICS	
Largo	2190 / 2500 mm
Width	105 mm
Depth	63 mm
	12 / 24 / 48 Vdc
Holding force (Kg)	2 x 300 Kg
VDC consumption (mA)	550 (one close) 275 (one close) 190 (both close)

CODE	REFERENCE	DESCRIPTION
PF1	PF1	Aluminium profile with electromagnetic locks (2x300kg)

POWER SUPPLIES

For a suitable performance we recommend: 12 Vdc TF4  TF7 24 Vdc

Accesories section page 106

CODIFICATION EXAMPLE: PF1
DESCRIPTION EXAMPLE: PF1 Aluminium profile with electromagnetic locks (2x300kg)

DORCAS

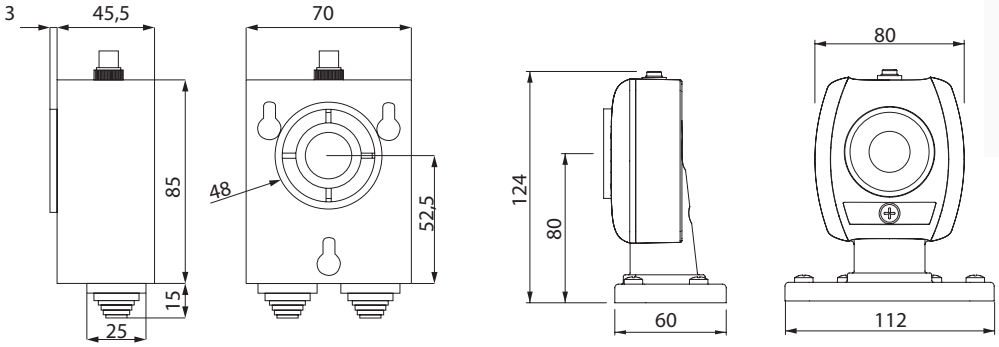
FIRE DOOR ELECTROMAGNETIC LOCK

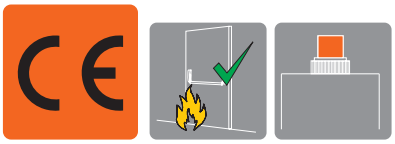
The fire magnet are installed on heavie acceses to maintain the fire door open. The kit is supplied with a mobile backplate, it is an ideal choice when the installation angle is complicated. Working in fail safe 24/48 VDC the release shut the doors in case of fire. They are provided with an adjustable striking plate in a kit ready to install.





- CE CERTIFICATE
- FIRE DOORS
- MANUAL RELEASE BUTTON
- EN 1





TECHNICAL CHARACTERISTICS	FIRE DOOR ELECTROMAGNETIC LOCK							
	RT20		RT50		PRT20		PRT50	
High	85 mm		85 mm		124 mm		124 mm	
Width	70 mm		70 mm		112 mm		112 mm	
Depth	45,5 mm		45,5 mm		60 mm		60 mm	
Holding force (Kg)	20 Kg		50 Kg		20 Kg		50 Kg	
Functioning	24 Vdc	48 Vdc	24 Vdc	48 Vdc	24 Vdc	48 Vdc	24 Vdc	48 Vdc
VDC consumption (mA)	24	24	80	48	24	24	80	48

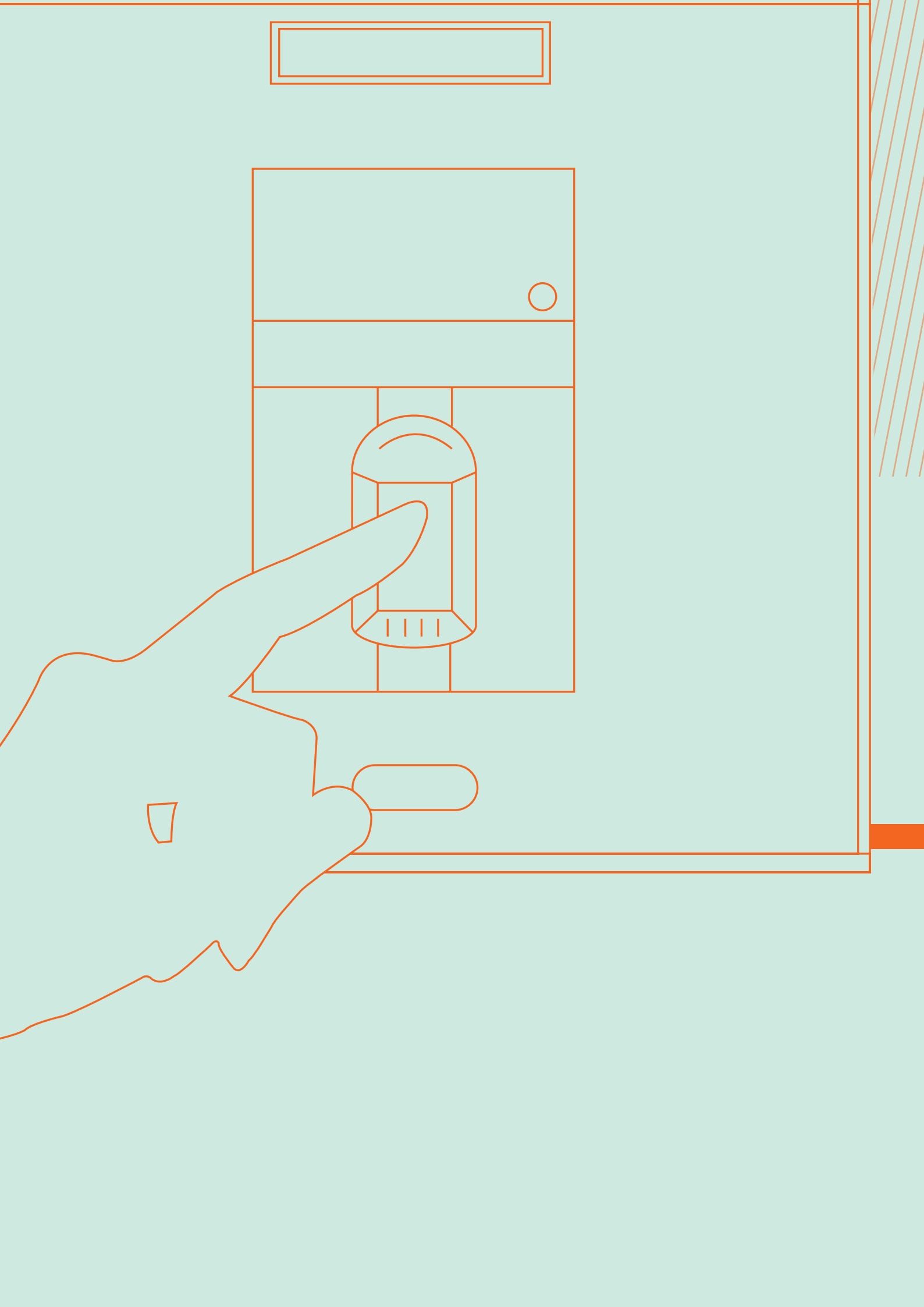
POWER SUPPLIES — **For a suitable performance we recommend:** DC 24V



Accesories section page 106

CODE	REFERENCE	DESCRIPTION
RT 2024	R20T24	Fire magnet 24V (Holding force: 20Kg)
RT 2048	R20T48	Fire magnet 24V (Holding force: 50Kg)
RT 5024	R50T24	Fire magnet 48V (Holding force: 20Kg)
RT 5048	R50T48	Fire magnet 48V (Holding force: 50Kg)
PRT 2024	PR20T24	Fire magnet 24V (Holding force: 20Kg)
PRT 2048	PR20T48	Fire magnet 48V (Holding force: 20Kg)
PRT 5024	PR50T24	Fire magnet 24V (Holding force: 50Kg)
PRT 5048	PR50T48	Fire magnet 48V (Holding force: 50Kg)

CODIFICATION EXAMPLE: PRT 2024
DESCRIPTION EXAMPLE: PR20T24
Fire magnet 24V (Holding force: 20Kg)



ACCESS CONTROLS

DORCAS

New

DORCAS K10

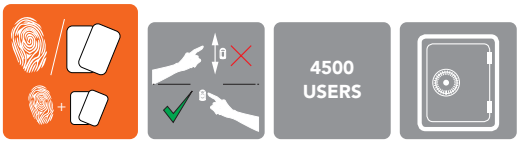
FINGERPRINT AND PROXIMITY ACCESS CONTROL

K10 fingerprint reader is an advanced control access system based on biometric fingerprints given higher security level compared to other systems. It integrates a proximity reader to be used with cards additionally. You can use the two readers as a double security system. Suitable up to 4500 individual users.



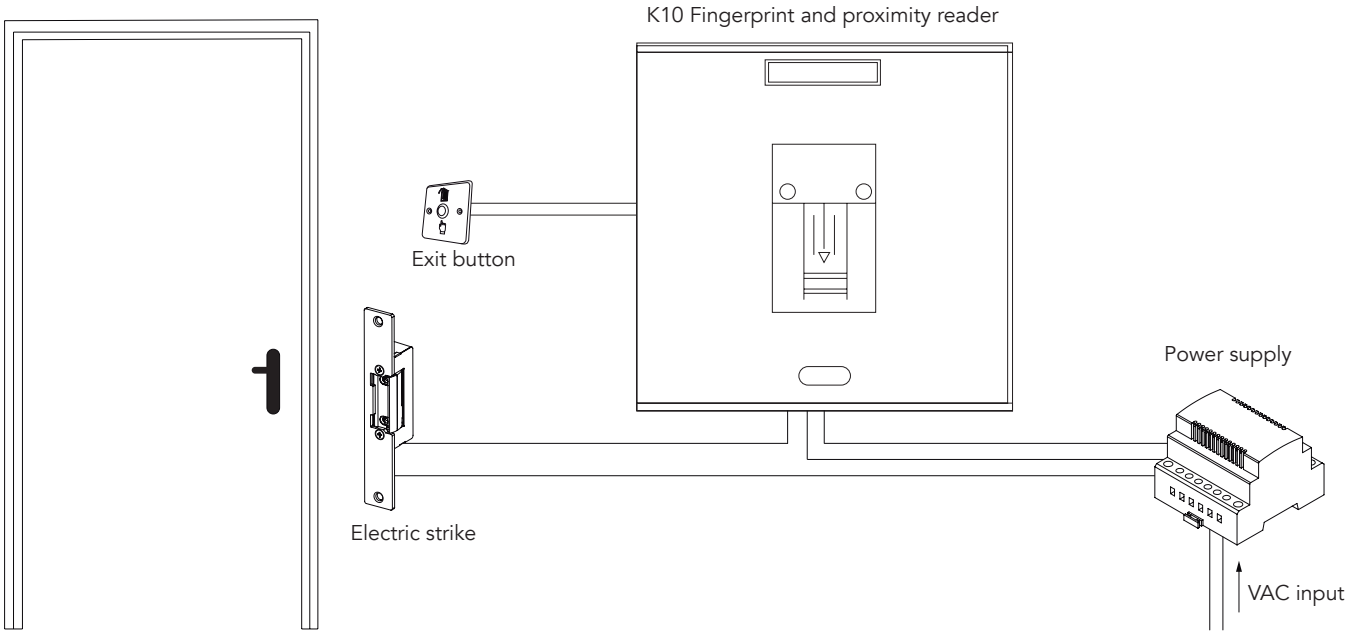
- MULTIACCESS, FINGERPRINT, ACCESS CARD OR BOTH
- BUILT-IN READER AND ACCESS CONTROL
- FINGERPRINT RECOGNITION WITHOUT SLIDING
- 4500 USERS
- HIGH SECURITY



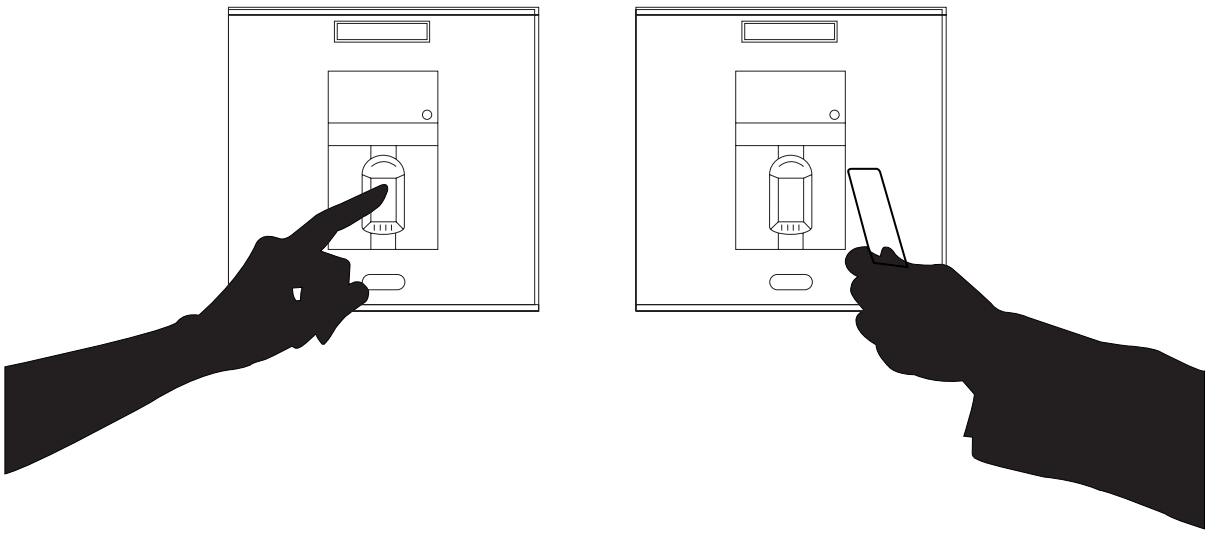


TECHNICAL CHARACTERISTICS	K10
High	130 mm
Width	128 mm
Depth	-
Mortice case	115 x 114 x 45 mm
Rim case	115 x 128 x 33 mm
IP	IP 43
IK	IK 07
Capacity	Up to 4500 USERS
Operating temperature	-10 °C a 55 °C
	12 Vdc
Stationary consumption (mA)	-
Opening consumption (mA)	118

INSTALLATION DRAWING



GUARANTEED SECURITY



CODE	DESCRIPTION
K10	K10 Fingerprint reader and proximity with power supply and control software

CODIFICATION EXAMPLE: K10 — K10 kit

New

DORCAS K7

PROXIMITY ACCESS CONTROL





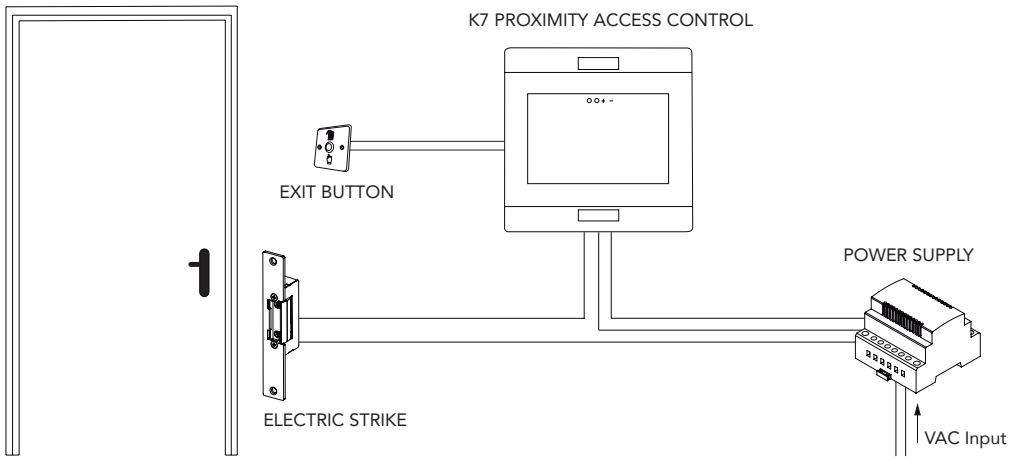
The K7 control access reader activates the opening mechanism with a card or magnetic key. It is programmed with a master card (the first that the reader approaches when it is already installed). It allows up to 400 different users . It requires an electric release. User´s keyboard control K72 allows us to check in or out users without the presence of cards or magnetic keys. K71 software allows to control accesses by comunicating with a computer.



- PROXIMITY CARDS OPENING
- BUILT-IN READER AND ACCESS CONTROL
- 400 USERS
- AC/DC
- BUZZER
- LED INDICATOR



INSTALLATION DRAWING



TECHNICAL CHARACTERISTICS	K7
High	130 mm
Width	128 mm
Depth	-
Mortice case	115 x 114 x 45 mm
Rim case	130 x 128 x 33 mm
IP	IP 43
IK	IK 07
Capacity	400 USERS
Operating temperature	0 °C a 60 °C
	12 Vac/dc
Stationary consumption (mA)	80
Opening consumption (mA)	120

CODE	DESCRIPTION
K7	Proximity card reader control access K7 with power supply, 4 user cards and a key card
K73	Proximity user card
K74	Proximity user key card
K72	User control keyboard
K71	Control software

CODIFICATION EXAMPLE: K7 — Proximity card reader control access K7

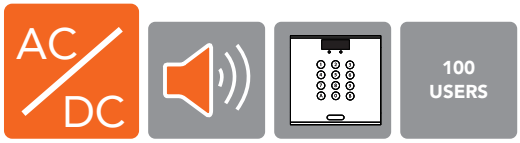
DORCAS K2

KEYPAD

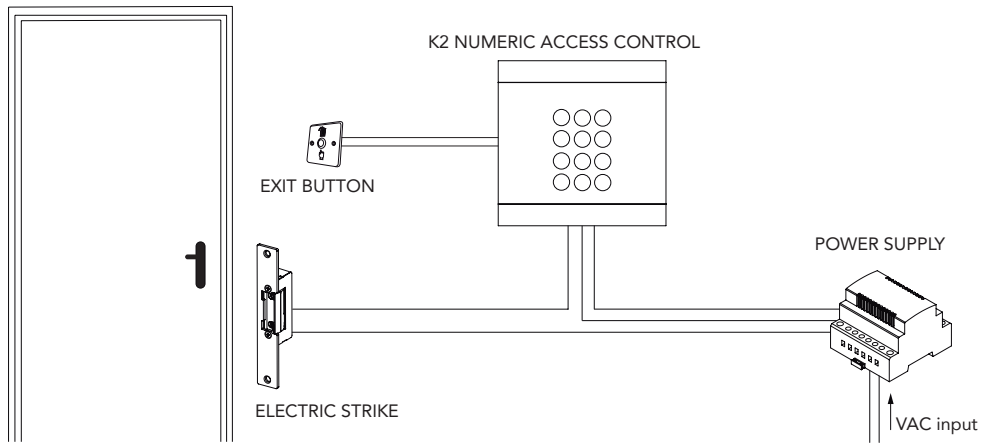
K2 keyboard enables accesses by entering a CODE of 4-6 digits. A master CODE allows to program the different options in the keypad. It has a bult in alarm system. It allows the use of two doors and has up to 100 different useres. It requires an elecric release.



- VAC/VDC
- BUZZER
- RETROILLUMINATED
- 100 USERS



INSTALLATION DRAWING



TECHNICAL CHARACTERISTICS	K2
High	130 mm
Width	128 mm
Depth	-
Mortice case	115 x 114 x 45 mm
Rim case	130 x 128 x 33 mm
IP	IP 43
IK	IK 07
Capacity	100 USERS
Operating temperature	0 °C a 70 °C
	12 Vac/dc
Stationary consumption (mA)	6
Opening consumption (mA)	60

CODE	DESCRIPTION
K2	Keypad with power supply

CODIFICATION EXAMPLE: K2 — Aluminum numeric access control

DORCAS K8

KEYPAD

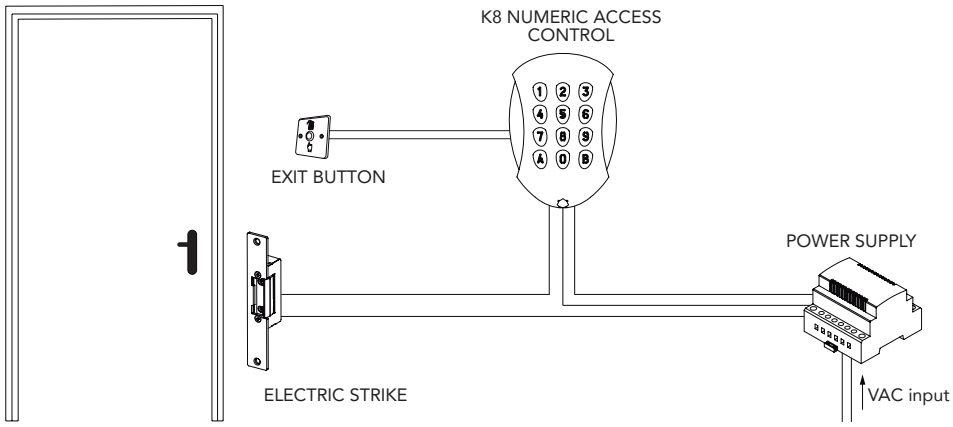


K8 control access keyboard stands out for its compact aluminum finishing with backlighting. It is suitable for surface mounting and is fully sealed (IP64). It is possible to register up to 100 customizable user codes. Operates in VDC (12/24 and 48V) and VAC (12/24V)

- BACKLIGHTED
- 100 USERS
- IP 64



INSTALLATION DRAWING



TECHNICAL CHARACTERISTICS	K8	
High	110 mm	
Width	75 mm	
Depth	15 mm	
Mortice case	-	
Rim case	-	
IP	IP 64	
IK	-	
Capacity	100 USERS	
Operating temperature	-25 °C a 70 °C	
	12/24 Vac	12/24/48 Vdc
Stationary consumption (mA)	-	-
Opening consumption (mA)	90/46	100/55/30

CODE	DESCRIPTION
K8	Keypad with power supply

CODIFICATION EXAMPLE: K8 → Aluminum backlit keypad

DORCAS K4

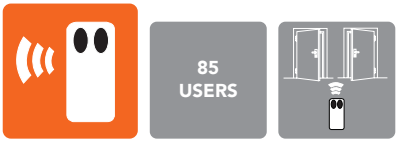
TRANSMITTER-RECEIVER

The receiver is integrated into power supply. It allows up to 85 different key possibilities. Each transmitter has two channels so it allow to open two doors fitted with two receivers. An electric release is required.

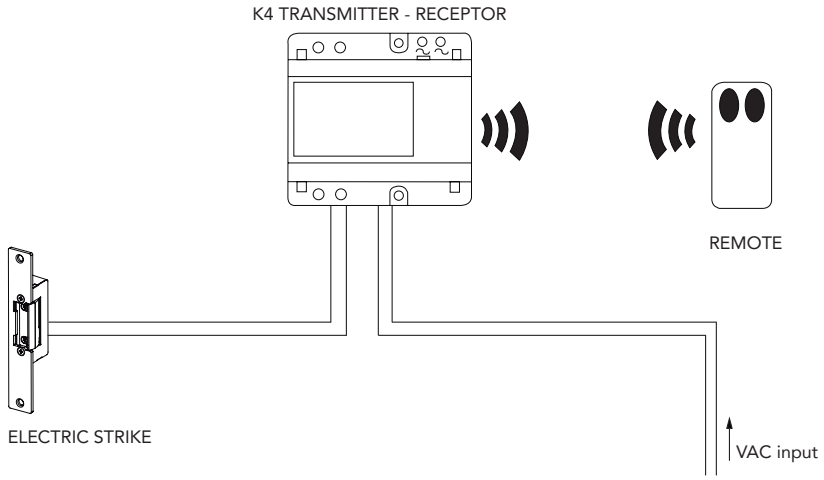




- 50 M RANGE IN OPEN FIELD
- REMOTE CONTROL OPENING
- 85 USERS
- BUILT-IN RECIEVER
- DOUBLE CHANNEL FOR TWO DOORS



INSTALLATION DRAWING

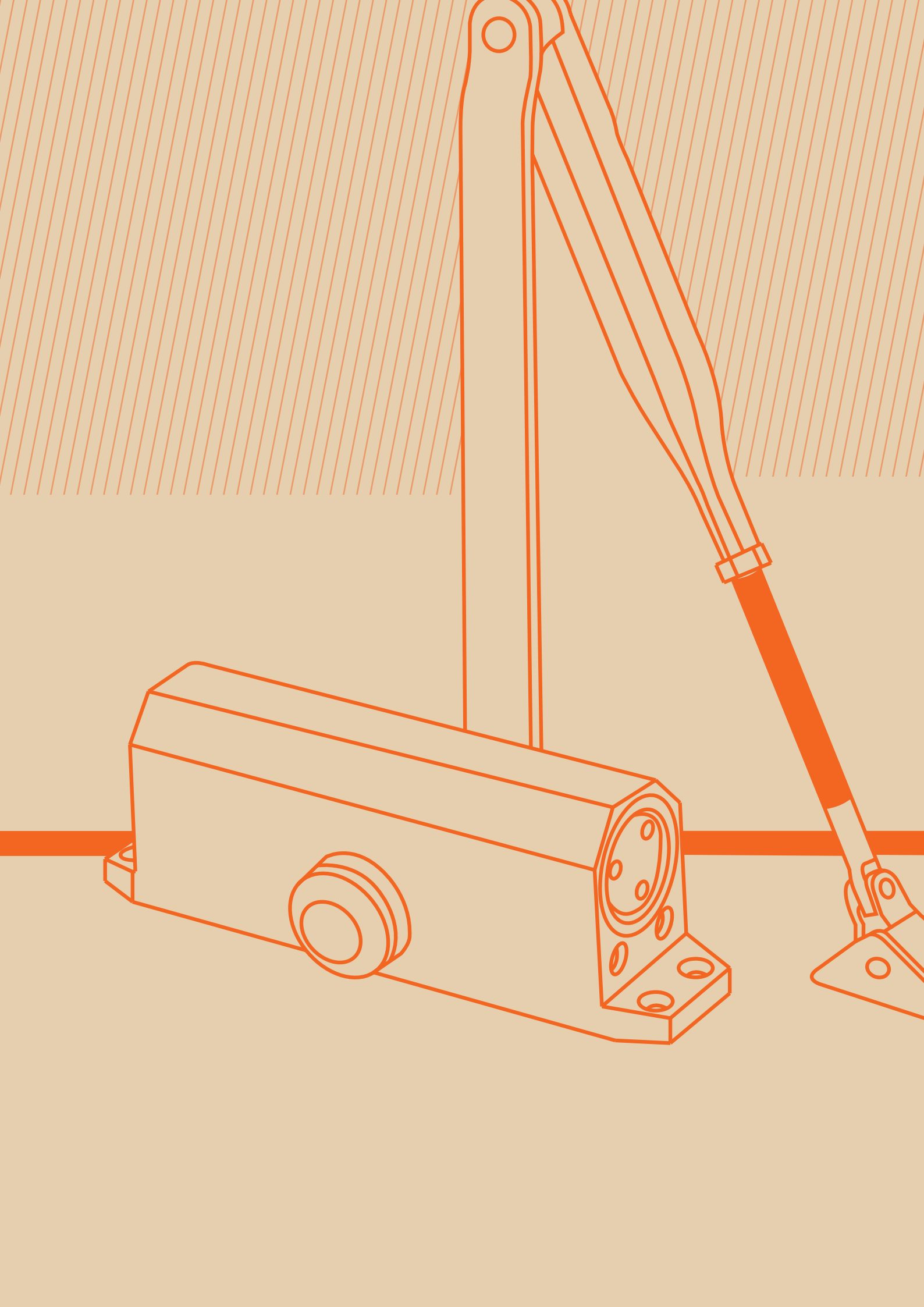


TECHNICAL CHARACTERISTICS	K4
High	104 mm
Width	90 mm
Depth	60 mm
Mortice case	-
Rim case	-
IP	-
IK	-
Capacity	-
Operating temperature	-20 °C a 70 °C
	12 Vac
Stationary consumption (mA)	-
Opening consumption (mA)	Max. 700

*3VDC battery for transmitter included

CODE	DESCRIPTION
K4	Transmitter-receiver kit with integrated power supply and two transmitters
K43	Transmitter

CODIFICATION EXAMPLE: K4 — Transmitter-receiver kit



DOOR CLOSERS



DORCAS

New

DORCAS
DOOR CLOOSERS

EN-1154

EN-1634

Dorcas has a wide range of door-closers covering all market needs. We provide small and cheap door closers for residential areas to more demanding profesional applications like DC4, optimum for stores and commercial zones and floor installation FS1. Dorcas offers hold open and sliding arm function in their models, also are available in different finishings.

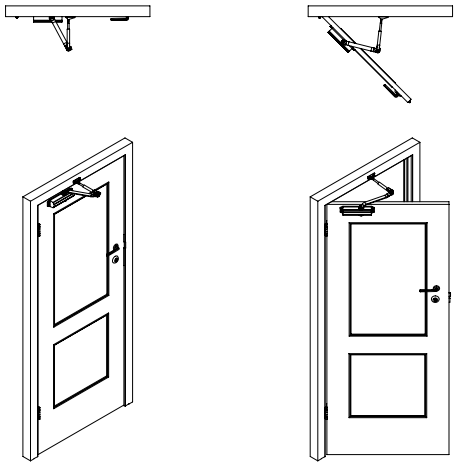


- FIRE RATED
- CE CERTIFIED
- POWER LEVEL 1-6
- FOR ALL KIND OF INSTALLATIONS

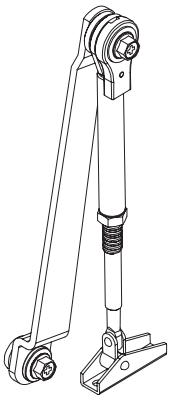
EN 1634

CE EN 1-6

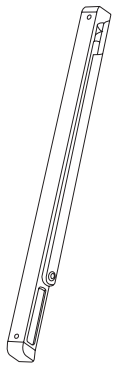
Installation on the hinges side



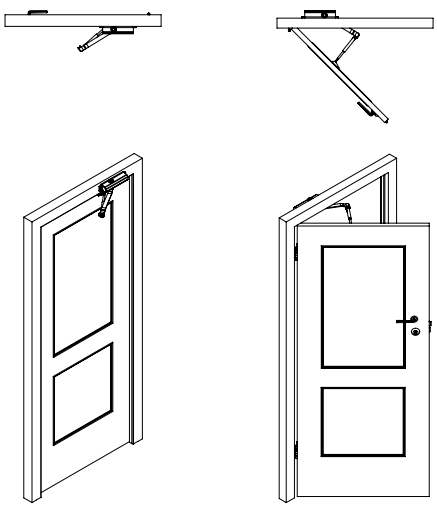
OVERHEAD ARMSET

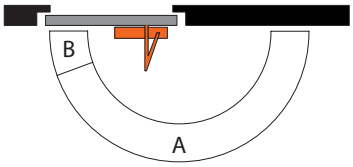


SLIDING ARM



Installation on the opposite to the hinges side





A- Closing adjustment power
B- Adjustable latch action

POWER LEVEL (EN)

EN	Recommended door width (mm)	Recommended maximum weigth door
EN(1)	<750	20
EN(2)	850	40
EN(3)	950	60
EN(4)	1100	80
EN(5)	1250	100
EN(6)	1400	120

New

DORCAS

DC1

EN-1154

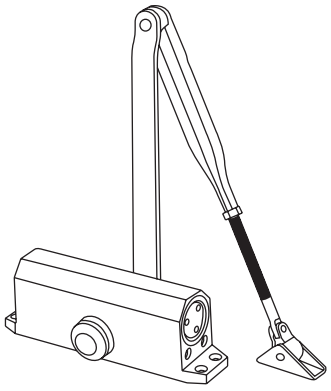
EN-1634

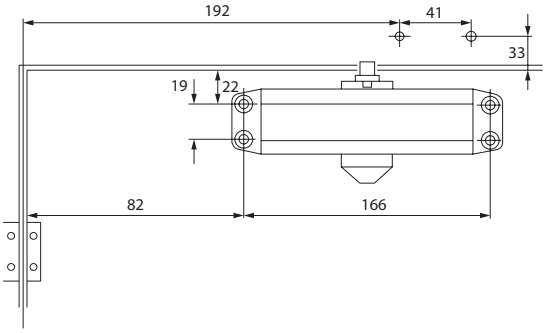
DC1 Door closer is the most economical solution for standard doors. It is provided with an closing system in two phases for a soft closing and its finish offers an optimum rust protection.



- FIRE RATED
- CE CERTIFIED
- POWER LEVEL 2-4
- DOOR WIDTH FROM 850 TO 1100 mm
- DOOR WEIGHT FROM 25 TO 85 Kg







TECHNICAL CHARACTERISTICS	DC1
Closing level	EN 2-4
Door Width	850-1100 mm
Door weigth	25-85 Kg
Fire Rated	EN-1634
Suitable for both left and right hand	YES
Design style	Residencial and comercial building style
Standard installation	YES
Arm parallel mounted	YES
Transom mounted	YES
Adjustable closing speed	YES
Material	Aluminium body and Steel arm
Length of hole horizonal mounting	166 mm
Length of hole verical mounting	19 mm
Adjustable backcheck	Optional
Sliding arm	NO
Adjustable latch action	NO
Cycles tested	500.000 (EN-1154)
Mounting	Optional

CODE	DESCRIPTION	EN1	EN2	EN3	EN4	EN5	EN6	HOLD-OPEN	SLIDING ARM
22206	DC1			●					
22207	DC1 H			●				●	

In order to choose the colour of the door closer add "/G" after the CODE for grey colour, "/B" for black colour or "/W" for white



CODIFICATION EXAMPLE: DC1 Door closer with hold open function in colour white: DC1 H/B

New

DORCAS DC2

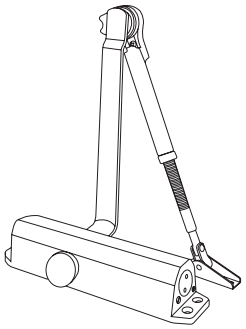
EN-1154

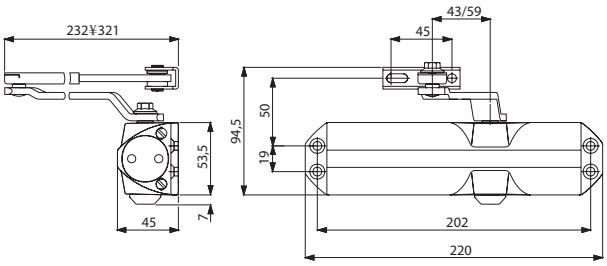
EN-1634

DC2 Door closer is a very common model that may be used for all standard doors. It´s easy and quick to install and its dimensions make it optimum for replacement of door-closers already installed. It covers a wide range of performances thanks to its differents kinds of installations.



- FIRE RATED
- CE CERTIFIED
- POWER LEVEL 2-5
- DOOR WIDTH FROM 850 TO 1100 mm
- DOOR WEIGHT FROM 25 TO 85 Kg





EN 1634

CE

EN 2-4

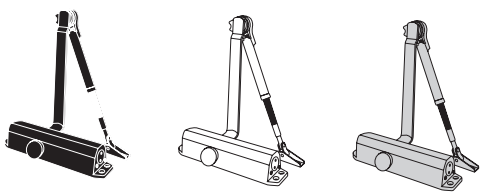
850-1100mm

25-85 Kg

TECHNICAL CHARACTERISTICS	DC2
Closing level	EN 2-4
Door Width	850-1100 mm
Door weigth	25-85 Kg
Fire Rated	EN-1634
Suitable for both left and right hand	YES
Design style	Residencial and comercial building style
Standard installation	YES
Arm parallel mounted	Optional
Transom mounted	YES
Adjustable closing speed	YES
Material	Aluminium body and Steel arm.
Length of hole horizonal mounting	202 mm
Length of hole verical mounting	19 mm
Adjustable backcheck	NO
Sliding arm	NO
Adjustable latch action	NO
Cycles tested	500.000 (EN-1154)
Mounting	Optional

CODE	DESCRIPTION	EN1	EN2	EN3	EN4	EN5	EN6	HOLD-OPEN	SLIDING ARM
22208	DC2		●	●	●				
22209	DC2 H		●	●	●			●	

In order to choose the colour of the door closer add "/G" after the CODE for grey colour, "/B" for black colour or "/W" for white



CODIFICATION EXAMPLE: DC2 Door closer with hold open function in black colour: DC3 H/N

New

DORCAS DC3

EN-1154

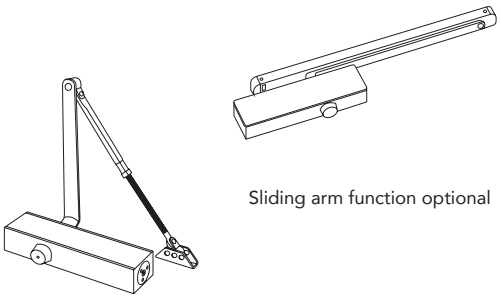
EN-1634

DC3 model is very simple to install and ideal for interior doors of different styles and designs. Its slim and compact design makes an easy and troubleless installation. Closing levels and speeds are fully adjustable. Normal and sliding guide arm available.

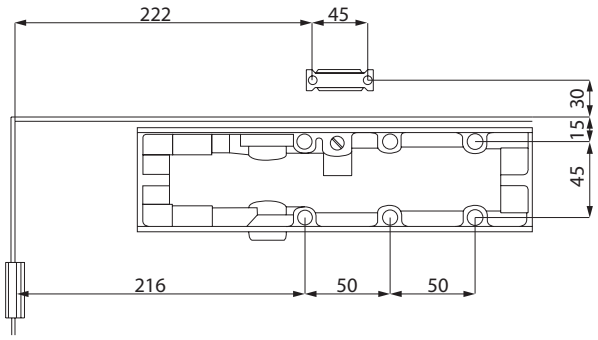


- FIRE RATED
- CE CERTIFIED
- POWER LEVEL 2-6
- DOOR WIDTH FROM 850 TO 1100 mm
- DOOR WEIGHT FROM 25 TO 85 Kg





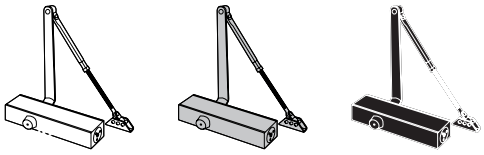
Sliding arm function optional



TECHNICAL CHARACTERISTICS	DC3
Closing level	EN 2-5
Door Width	850-1250 mm
Door weigth	25-100 Kg
Fire Rated	EN-1634
Suitable for both left and right hand	YES
Design style	European comercial building style
Standard installation	YES
Arm parallel mounted	YES
Transom mounted	YES
Adjustable closing speed	YES
Material	Aluminium body and Steel arm
Length of hole horizonal mounting	100 mm
Length of hole verical mounting	45 mm
Adjustable backcheck	SI
Sliding arm	Optional
Adjustable latch action	NO
Cycles tested	500.000 (EN-1154)
Mounting	Optional

CODE	DESCRIPTION	EN1	EN2	EN3	EN4	EN5	EN6	HOLD-OPEN	SLIDING ARM
22193	DC3		●	●	●	●			
22194	DC3 H		●	●	●	●		●	
22232	DC3 SA		●	●	●	●			●
22233	DC3 SA H		●	●	●	●		●	●

In order to choose the colour of the door closer add "/G" after the CODE for grey colour, "/B" for black colour or "/W" for white



CODIFICATION EXAMPLE: DC3 Door closer with hold open function in black colour: DC3 H/N

New

DORCAS DC4

EN-1154

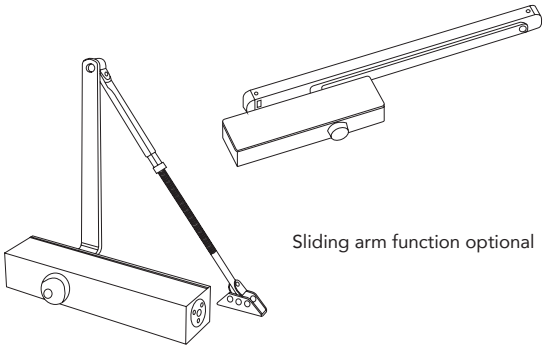
EN-1634

DC4 model is suitable for a wide range of doors from light to very heavy doors up to 150Kg. It is ideal for shops and interior doors. Its closing speed can be fully adjustable.

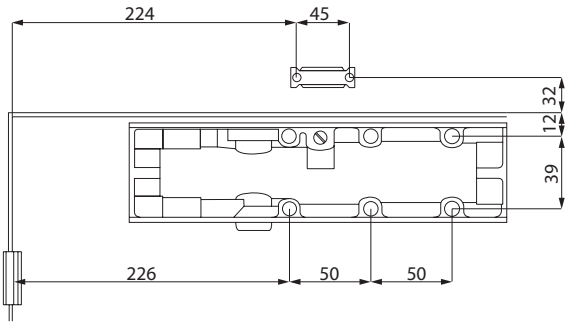


- FIRE RATED
- CE CERTIFIED
- POWER LEVEL 2-6
- DOOR WIDTH FROM 850 TO 1500 mm
- DOOR WEIGHT FROM 25 TO 150 Kg





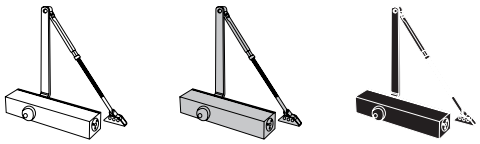
Sliding arm function optional



TECHNICAL CHARACTERISTICS	DC4
Closing level	EN 2-6
Door Width	850-1500 mm
Door weigth	25-150 Kg
Fire Rated	EN-1634
Suitable for both left and right hand	YES
Design style	European comercial building style
Standard installation	YES
Arm parallel mounted	YES
Transom mounted	YES
Adjustable closing speed	YES
Material	Aluminium body and Steel arm
Length of hole horizonal mounting	100 mm
Length of hole verical mounting	39 mm
Adjustable backcheck	YES
Sliding arm	Optional
Adjustable latch action	YES
Cycles tested	500.000 (EN-1154)
Mounting	Optional

CODE	DESCRIPTION	EN1	EN2	EN3	EN4	EN5	EN6	HOLD-OPEN	SLIDING ARM
22213	DC4		●	●	●	●	●		
22214	DC4 H		●	●	●	●	●	●	
22215	DC4 SA		●	●	●	●	●		●
22235	DC4 SA H		●	●	●	●	●	●	●

In order to choose the colour of the door closer add "/G" after the CODE for grey colour, "/B" for black colour or "/W" for white



CODIFICATION EXAMPLE: DC4 Door closer with hold open function and sliding arm in grey colour: DC4 SA H/G

New

DORCAS

DC5

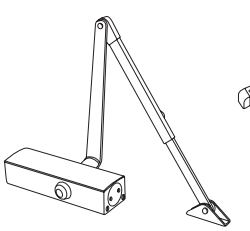
EN-1154

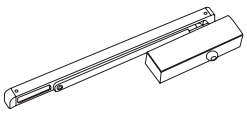
EN-1634

European-style door closer for small and medium size commercial doors. Speed of closing totally adjustable. Aluminum body and forged steel arm.

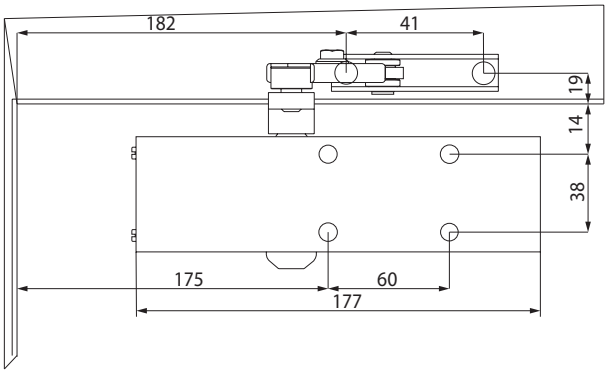


- FIRE RATED
- CE CERTIFIED
- POWER LEVEL 3
- DOOR WIDTH - 950 mm
- DOOR WEIGHT FROM 45 TO 65 Kg





Sliding arm function optional

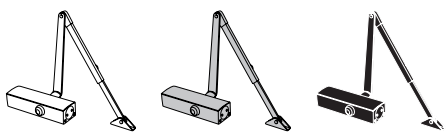




TECHNICAL CHARACTERISTICS	DC5
Closing level	EN 3
Door Width	<950 mm
Door weigth	40-65 Kg
Fire Rated	EN-1634
Suitable for both left and right hand	YES
Design style	European comercial building style
Standard installation	YES
Arm parallel mounted	YES
Transom mounted	YES
Adjustable closing speed	YES
Material	Aluminium body and forged steel arm
Length of hole horizonal mounting	60 mm
Length of hole verical mounting	38 mm
Adjustable backcheck	YES
Sliding arm	Optional
Adjustable latch action	YES
Cycles tested	500.000 (EN-1154)
Mounting	Optional

CODE	DESCRIPTION	EN1	EN2	EN3	EN4	EN5	EN6	HOLD-OPEN	SLIDING ARM
22195	DC5			●					
22196	DC5 H			●				●	
22236	DC5 SA			●					●
22237	DC5 SA H			●				●	●

In order to choose the colour of the door closer add "/G" after the CODE for grey colour, "/B" for black colour or "/W" for white



CODIFICATION EXAMPLE: DC5 Door closer with hold open function in white colour: DC5 H/B

New

DORCAS DC6

EN-1154

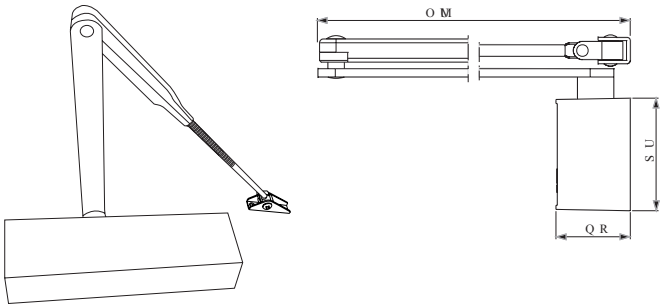
EN-1634

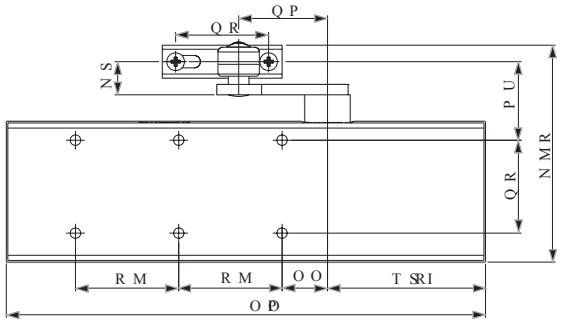
DC6 door closer is a classic design closer with a compact model with fully adjustable closing speed by two control valves and adjustable final jawing. It is a model for using in residential and commercial doors, it is fast and easy to install and adjust.



- FIRE RATED
- CE CERTIFIED
- POWER LEVEL 2-4
- DOOR WIDTH TILL 1100 mm
- DOOR WEIGHT FROM 25 TO 85 Kg

EN 1634 | CE | EN 2-4 | <1100mm | 25-85 Kg

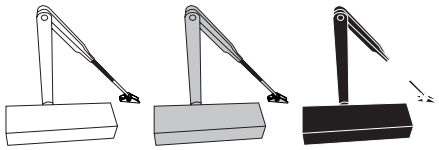




TECHNICAL CHARACTERISTICS	DC6
Closing level	EN 2-4
Door Width	<1100 mm
Door weigth	25-85 Kg
Fire Rated	EN-1634
Suitable for both left and right hand	YES
Design style	European co-mercial building style
Standard installation	YES
Arm parallel mounted	YES
Transom mounted	YES
Adjustable closing speed	YES
Material	Aluminium body and steel arm
Length of hole horizonal mounting	100 mm
Length of hole verical mounting	45 mm
Adjustable backcheck	NO
Sliding arm	YES
Adjustable latch action	NO
Cycles tested	500.000 (EN-1154)
Mounting	Optional

CODE	DESCRIPTION	EN1	EN2	EN3	EN4	EN5	EN6	HOLD-OPEN	SLIDING ARM
22231	DC6		●	●	●				
22238	DC6 SA		●	●	●				●
22219	DC6 H		●	●	●			●	
22239	DC6 SA H		●	●	●			●	●

In order to choose the colour of the door closer add "/G" after the CODE for grey colour, "/B" for black colour or "/W" for white



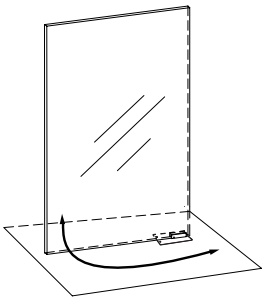
CODIFICATION EXAMPLE: DC6 Door closer with hold open function in black colour: DC6 H/N

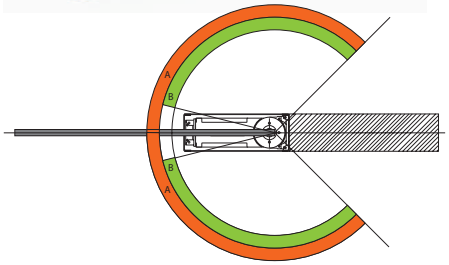
New

DORCAS
FS1 & FS2

Perfect esthetic sollution for exterior glass doors. Fit doors up to 120Kg weight giving reliability and quality to your system.







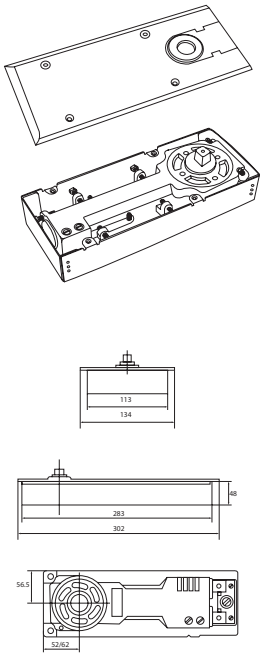
A- Primary adjustment range 130° to 0°
B- Secondary adjustment range 130° to 20°

- POWER LEVEL 1-4
- DOOR WIDTH LESS THAN 1100 mm
- DOOR WEIGHT STILL 120 Kg
- FLOOR INSTALLATION
- HIGH MECHANICAL EFFICIENCY

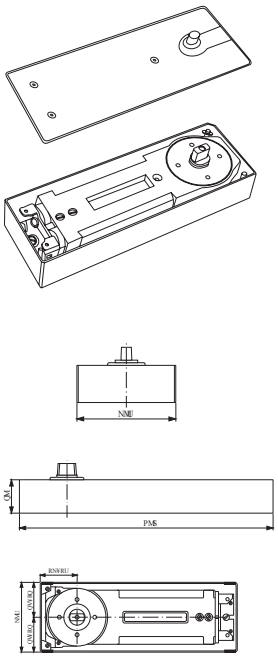


TECHNICAL CHARACTERISTICS	FS1	FS2
Closing level	EN 1-4	EN 2-4
Door Width	<1100 mm	<1100 mm
Door weigth	<120 Kg	<100 Kg
Fire Rated	NO	NO
Suitable for both left and right hand	YES	YES
Design style	Floor DOOR CLOSER	Floor DOOR CLOSER
Standard installation	-	-
Arm parallel mounted	-	-
Transom mounted	-	-
Adjustable closing speed	YES	YES
Material	Iron	Iron
Length of hole horizonal mounting	-	-
Length of hole verical mounting	-	-
Adjustable backcheck	YES	YES
Sliding arm	NO	NO
Adjustable latch action	NO	NO
Cycles tested	-	-
Mounting	NO	NO

FS1



FS2



CODE	DESCRIPTION	EN1	EN2	EN3	EN4	EN5	EN6	FLOOR MORTICE INSTALLATION
22216	FS1	●	●	●	●			●
22217	FS2		●	●	●			●

FS1 and FS2 doocloser finishings is stainless steel

CODIFICATION EXAMPLE: Floor spring door closer FS1: FS1

New

DORCAS

DH1 & DH2

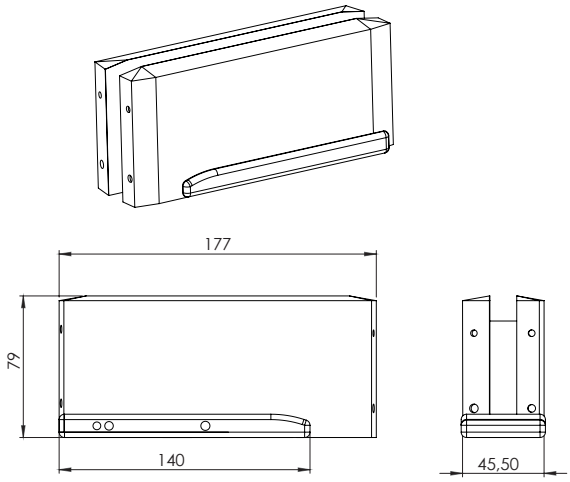
EN-1154

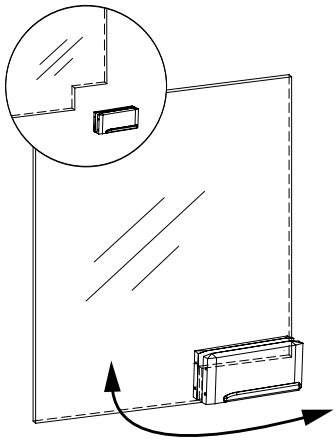
EN-1634

DH door closers makes both hinge and door closer function for glass doors. Stainless steel body allows it operation with leaf doors up to 80Kg. It doesn´t need to rim install so, it makes easier the installation.



- POWER LEVEL 1-6
- DOOR WIDTH LESS THAN 1000 mm
- DOOR WEIGHT STILL 150 Kg
- HIGH MECHANICAL EFFICIENCY
- HINGE FUNCTION







TECHNICAL CHARACTERISTICS	DH1	DH2
Closing level	EN 1-4	EN 1-6
Door Width	<1000 mm	<1000 mm
Door weigth	<80 Kg	<150 Kg
Fire Rated	NO	NO
Suitable for both left and right hand	YES	YES
Design style	glass floor DOOR CLOSER	glass floor DOOR CLOSER
Standard installation	-	-
Arm parallel mounted	-	-
Transom mounted	-	-
Adjustable closing speed	YES	YES
Material	Stainless steel	Stainless steel
Length of hole horizonal mounting	-	-
Length of hole verical mounting	-	-
Adjustable backcheck	YES	YES
Sliding arm	NO	NO
Adjustable latch action	YES	YES
Cycles tested	500.000	500.000
Mounting	YES	YES

CODE	DESCRIPTION	EN1	EN2	EN3	EN4	EN5	EN6	HOLD-OPEN	SLIDING ARM
22218	DH1	●	●	●	●			●	
22240	DH2	●	●	●	●	●	●	●	

DH1 and DH2 doocloser finishings is stainless steel

CODIFICATION EXAMPLE: Floor glass spring door closer DH1: DH1

New

DORCAS
D.O. ACCSIE

New Dorcas "D.O. accsie" model is a motorized automatic system that allow both opening and closing doors independently as an stand-alone system. It fits doors up to 120Kg of weight and it is available a big range of accesories. Combine it with our electric releases or access controls and custom your installation according to your needs. It is adapted to the newest disabled persons access normatives.



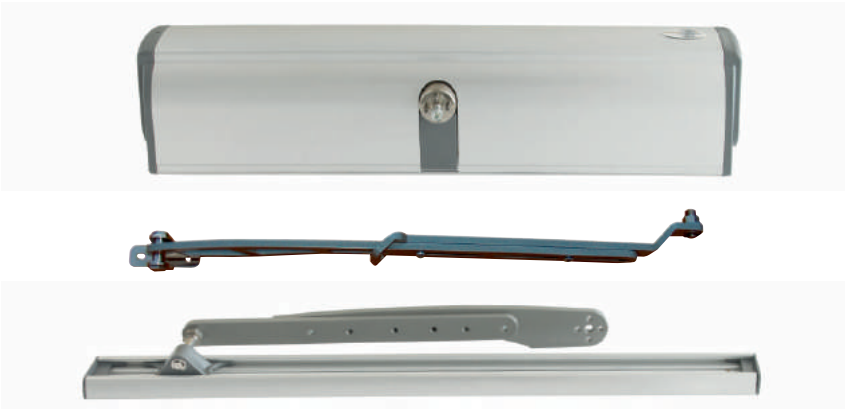
- DISABLED PERSONS ACCESS
- FIRE MODE
- MONITORING COMPATIBLE
- OPENING JOLT FULLY ADJUSTABLE
- FAST OPERATION (OPENING/ CLOSING IN 3 SECONDS)
- UP TO 120KG DOOR WEIGHT
- WIND STOP FUNCTION
- PUSH & GO - PULL & GO FUNCTION
- ADJUSTABLE OPENING, PAUSE AND CLOSING TIMES
- DAY/NIGHT MODE
- OPERATING MODES: DOOR FREE, FULLY AUTOMATIC, ALWAYS OPEN
- BUILT IN RF RECEIVER
- SELF LEARNING SET-UP AND RESET
- OBSTACLE DETECTION (ADJUSTABLE CYCLES)
- AUTOMATIC FUNCTIONS WITH WIRELESS DETECTORS
- INPUT VOLTAGE 230VAC OR 16VAC
- BUILT IN BATTERY BACK-UP
- INSIDE OR OUTSIDE INSTALLATION



TECHNICAL CHARACTERISTICS	D.O. ACCSIE
High	90 mm
Width	110 mm
Depth	511 mm
Operating temperature range	-10 a 55ºC
Power supply	230 Vac
Motor torque	15 Nm
Max power	33 W
Engine voltage	24 Vdc
Battery	12 Vdc 1,3Ah
Power failure autonomy	600 cycles
Weigth	5 Kg
IP grade	IP22
Opening/closing time	3 - 15 sec

Create your system to order in 3 steps

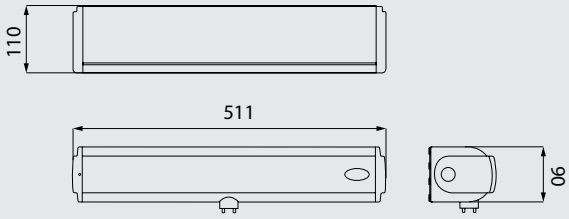
1 Choose the accsie model you need



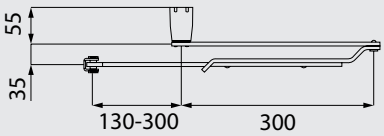
+



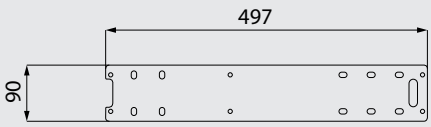
FOR SINGLE DOOR



Universal arm

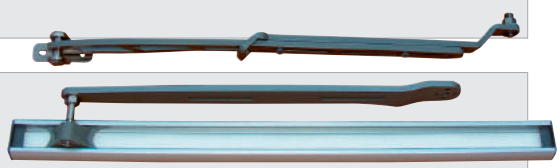


Fixing plate



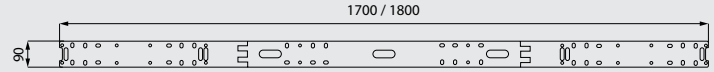


Inwards or outwards opening mounting



FOR DOUBLE DOOR

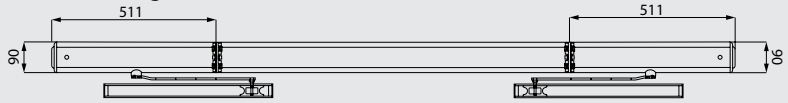
Fixing plate



Double articulated arm installation



Double sliding arm installation



2 Optional accesories

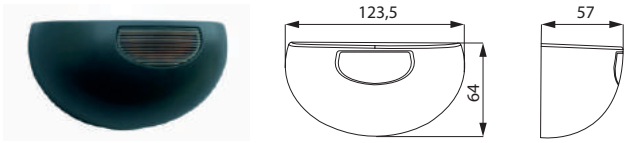
LONG RANGE READER

- Adjustable range up to 15 m
- Simultaneous reading of 20 tags maximum
- Built-in antenna
- Feedback audible y visual
- Lithium removable battery



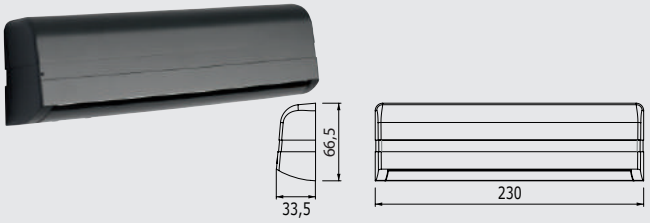
DOOR ACTIVATION SENSOR

- Microwave detection mode
- 2 relays
- ABS constructed
- Range and sensitivity adjustable



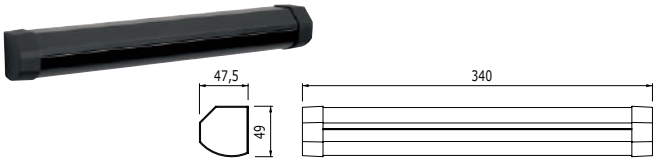
DOOR ACTIVATION + SAFETY DURING CLOSING

- Infrared detection mode
- 2 relays
- ABS constructed
- Range and sensitivity adjustable
- Visual feedback



DOOR ACTIVATION + SAFETY DURING CLOSING

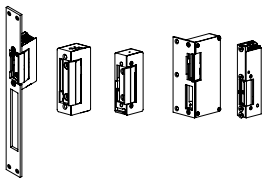
- Infrared detection mode
- ABS constructed
- Range and sensitivity adjustable
- Visual feedback



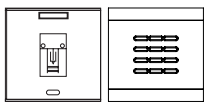
3 Optional accesories

Complement your installation with our products, electric releases, push buttons, access controls…

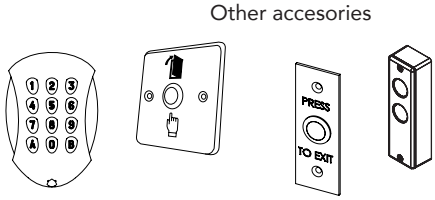
Electric release



Access control



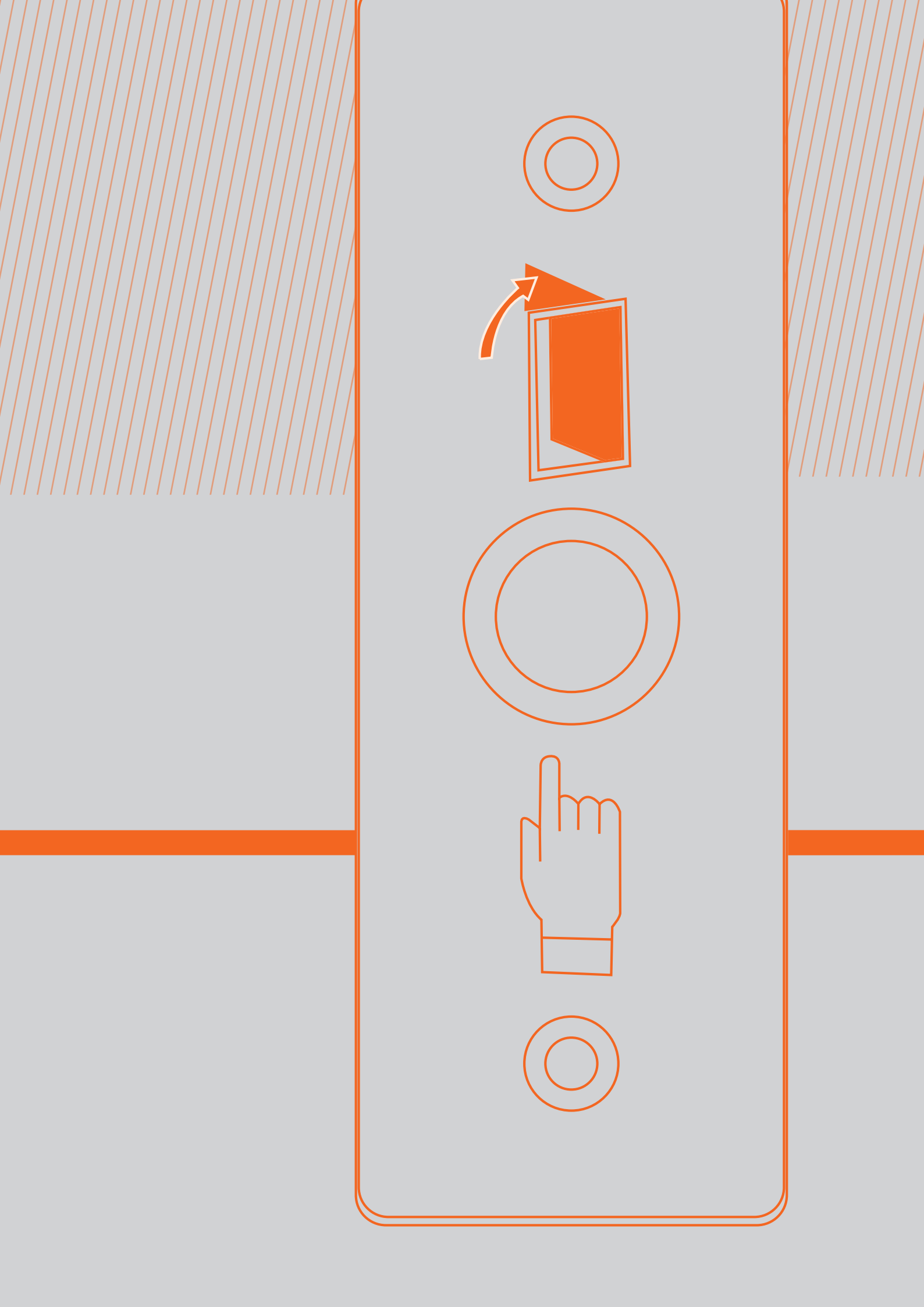
Other accesories



CODE	DESCRIPTION	MECHANISMS	READER	INFRARED RADAR
22300	D.O. universal arm single door	●		
22301	D.O. universal arm double leaf door 1700mm	●		
22302	D.O. universal arm double leaf door 1800mm	●		
22203	Arm inward outward mounting kit	●		
22310	Stand alone reader		●	
22311	Long range active reader card		●	
22312	Long range opening radar			●
22313	Frame mounting opening radar			●
22314	Door mounting opening radar			●

Standard finish in d.o. is grey colour

CODIFICATION EXAMPLE: D.O. universal arm single door : 22300



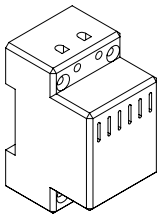
ACCESORIES

DORCAS

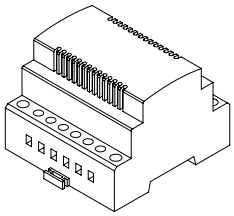
DORCAS
POWER SUPPLIES

Dorcas has a wide range of transformes and stabilized power supplies covering the full range of products we sell. We have 4 models of power supplies from VDC to VAC and 4 from VAC to VDC. They cover a range from 0.5 to 3 Amps.

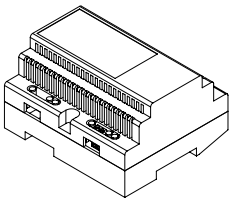
TF1



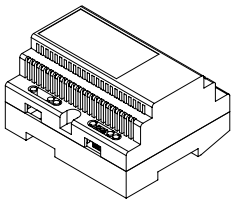
TF2



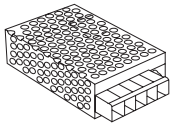
TF3



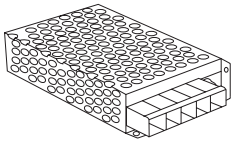
TF4



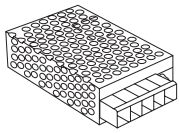
TF5



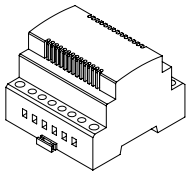
TF6



TF7



TF8







AC / DC | AC / AC | 12-24 V | 0,5-3 A

TECHNICAL CHARACTERISTICS	AC				DC			
Reference	**TF1**	**TF2**	**TF3**	**TF8**	**TF4**	**TF5**	**TF6**	**TF7**
Input	125 – 230 Vac	230 Vac	125 - 230 Vac	230 Vac	230 Vac	230 Vac	230 Vac	230 Vac
Output voltage	12 Vac	12 Vac	12 Vac	24 Vac	12 Vdc	12 Vdc	12 Vdc	24 Vdc
Current output	0,5 A	1 A	1,5 A	1 A	0,8 A	2,1 A	3 A	1,1 A
Power output	6 VA	12 VA	18 VA	24 VA	10 VA	25,2 VA	36 VA	26,4 VA
Type of fixing	DIN. M3	DIN. M5	DIN. M6	-	DIN. M6	DIN Optional	DIN Optional	DIN Optional
Size (mm)	44 x 53 x 79	88 x 67 x 93	105 x 59 x 90	91 x 53 x 63	105 x 59 x 90	78 x 51 x 28	99 x 82 x 36	78 x 51 x 28
Weigth	0,325 Kg	0,512 Kg	0,65 Kg	0,3 Kg	0,45 Kg	0,2 Kg	0,3 Kg	0,2 Kg
Operating temperature	-20°C a 70°C	-20°C a 70°C	-20°C a 70°C	-20°C a 70°C	-20°C a 70°C	-20°C a 70°C	-20°C a 70°C	-20°C a 70°C
Standard	UNE-EN 61558-2-6.				UNE-EN 61558-2-6.	UL60950-1 TUV EN60950-1	UL60950-1 TUV EN60950-1	UL60950-1 TUV EN60950-1

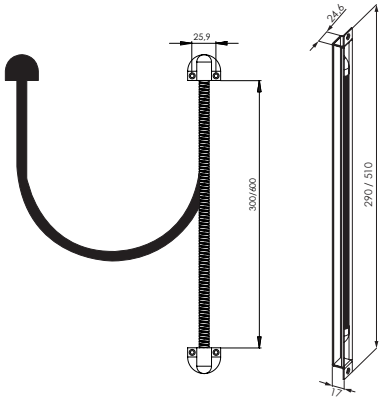
DORCAS

ELECTRIC CONTACTS, MAGNETIC CONTACTS AND DOOR LOOPS

Dorcas has a wide range of accessories to facilitate your electrical installations. Electrical contacts 2C, 2CN and 3C allow the passage of current through them: one part is embedded in the frame while the other is installed in the door leaf, thus allowing passage of the current while the door is closed for easy opening. The 4C contact is inserted into the draft of the plate and has a microswitch indicating whether or not the deadbolt is open. X1 (surface) and X2 (mortise) door loops allow current, hidden and protected inside. We have different models and lengths. (special sizes on request)

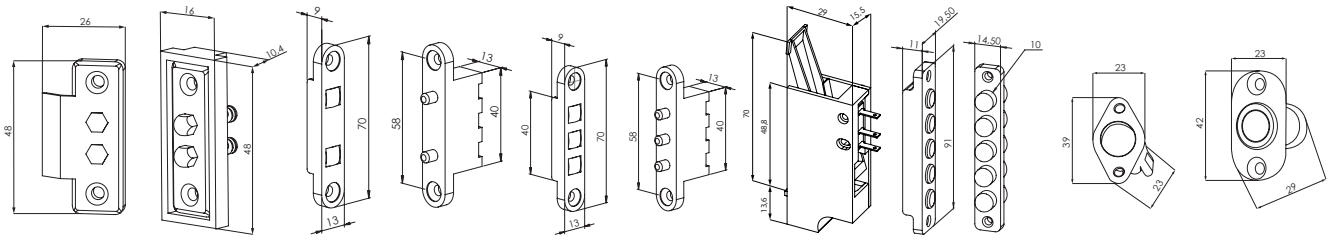


X1 **X2**





2CN **2C** **3C** **4C** **5C** **CM1** **CM2**



ELECTRIC CONTACTS							
MECHANICAL							
Reference	**2C**	**2CN**	**3C**	**4C**	**5C**	**CM1**	**CM2**
Type of installation	Flush	Flush	Flush	Flush	Flush	Flush	Flush
Material	ABS	ABS	ABS	ABS	ABS	Plastic	Metal
Maximum current (A)	2	2	2	3	2	2	2
Number of terminals	2	2	3	Lever	5	1	1
Size (mm) Rim part/mobile part	70x13x9 / 70x13x22 70x13x22	48x16x26 / 48x26x17 48x26x17	70x13x9 / 70x13x22 70x13x22	83,6x29x15,5	91x19,5x11 / 91x14,5x16,5 91x14,5x16,5	39x23x23	42x23x29

DOOR LOOPS				
Reference	**X1**	**X1B**	**X2**	**X2B**
Material	Stainless steel	Stainless steel	Iron	Iron
Ends caps	Zamak	Zamak	Iron	Iron
Inside diameter (mm)	7,5	7,5	9,4	9,4
External diameter (mm)	11	11	11,8	11,8
Tube length (mm)	300	600	290	510

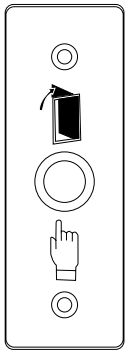
New

DORCAS
PUSH BUTTONS

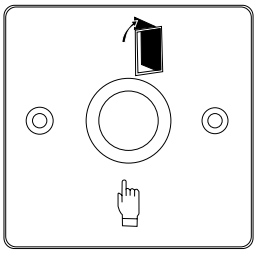
To complete your installations, Dorcas offers a series of buttons in different designs and finishes to your choice. The push-buttons PL1 to PL4 are made of stainless steel and are suitable for any type of installation. The PL5 is finishing in plastic, PL6 is designed for rim installations, and finally we have SF1 that is also being button gives information if the door is opened or closed by color indicators in the style of a traffic light.



PL1



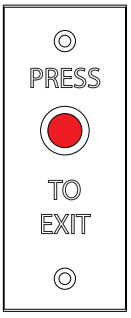
PL2



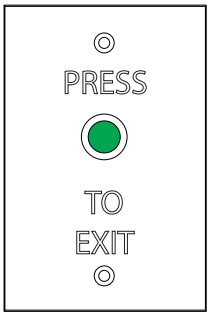




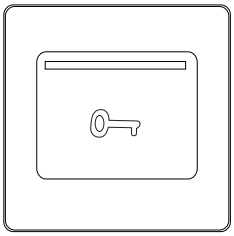
PL3



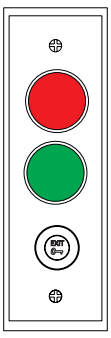
PL4



PL5



SF1



PUSH BUTTONS							
Reference	**PL1**	**PL2**	**PL3**	**PL4**	**PL5**	**PL6**	**SF1**
Type of fixing	Flush	Flush	Flush	Flush	Flush	Rim	Rim
Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Policarbonate	ABS	Zinc Alloy
Maximum current (A)	3A/36Vdc	3A/36Vdc	5A/125Vac 3A/ 250Vac	5A/125Vac 3A/ 250Vac	10A/250Vac	10A/250V	40mA/12Vdc 50mA/24Vdc
Backlighting	No	No	Sí	Sí	No	No	Sí
Size (mm)	91 x 28 x 20	91 x 91 x 28	100 x 35 x 36	120 x 76,2 x 36	86 x 86 x 34	61 x 61 x 22	141 x 41 x 30

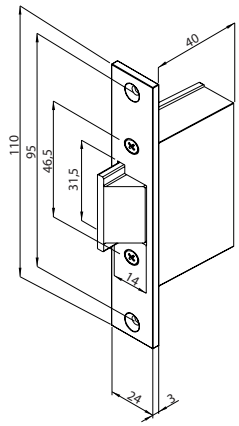
DORCAS
LATCHES and JAWS

Dorcas offers two different models of latches for use in combination with our products. Our door latches have a stainless steel frontal and are suitable for wooden doors and due to its zinc alloy housing it gives a greater security to the installation. The PI2 model also has an auto-blocking system when the door is closed. , also we provide the latch PI1 recessed for use without electricity and opening by handle.

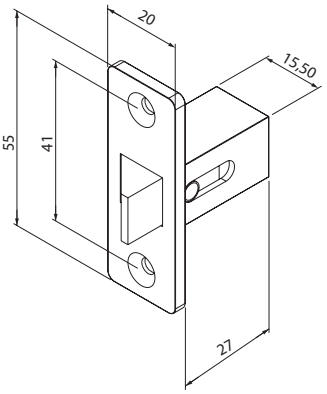
We offer rim installation P11 jaw for use without electricity and handle opening.



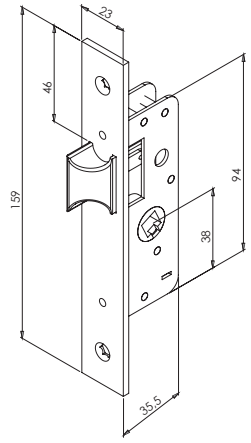
PI1



PI2

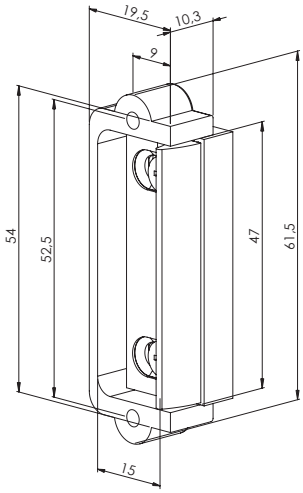


P11





P10



We offer the "dummie" P10 model without electric functioning for use when installation is not yet completed and works.Thanks to its adjustable jaw it fits any handle.



	JAWS	LATCHES		
Reference	**P10**	**PI1**	**PI2**	**P11**
Type of installation	Flush	Flush		Flush
Recommended for	Buildings	Wood doors		Aluminium profile
Material	Zamak	Stainless steel front. Zinc alloy mechanism.		Galvanized steel, niquel jaw / Reversible jaw, handle or key
Size (mm) Rim part/mobile part	61,5x10,3x19,5	110x40x24	55x27x20	159x35,5x23

CERTIFICATES

