



Electric holding magnets Technical Information



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About us.

Whatever you want to secure, protect, maintain –
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ASSA ABLOY Sicherheitstechnik GmbH is your professional partner worldwide in mechanical and electro-mechanical security solutions for safety, security and convenience in buildings.

The company develops, produces and markets high-quality products and multi-purpose systems under the established IKON and effeff brand names for the private, commercial and public sectors.

ASSA ABLOY Sicherheitstechnik is considered a highly competent and reliable partner by its clients. This security company wins through due to its comprehensive know-how, state-of-the-art technology, creative ideas and innovative production processes. Besides comprehensive system solutions for the private and commercial security sectors, ASSA ABLOY Sicherheitstechnik also offers its customers a whole range of services, expert guidance and solution concepts for individual requirements and special applications.

The security expert solutions can be found in many buildings and facilities, ranging from the Olympic Stadium in Berlin through to the Nürnberger Versicherungen Arena up to the Elbe Philharmonic Hall in Hamburg. IKON and effeff products are also used worldwide – from Beijing through Dubai up to London.

We assist you with words and deeds

The experts at ASSA ABLOY Sicherheitstechnik would be pleased to advise you which electric strike model is most suitable for which installation position.

Hotline Technical advice

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Technical advice

In terms of technical advice with us, you will be supported by professionals who will continue to help you on every question on technical details. Of course you can also be put into contact with specialists regarding of technical risk assessments or key accounts.

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With our commercial customer services you can clarify all questions relating to your purchase order, for example the status of the order processing, the delivery date, purchase order changes, but also returns or guarantee issues. Use this simple and quick option to get information or help from our specialists. We will do that with pleasure.



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With the ASSA ABLOY Academy, we offer you a free eLearning tool. Learn whenever and wherever you want: www.effeff.de → Section **Service**.

Exhibitions

You will find effeff at many national and international exhibitions. You can obtain the exact dates from our website: www.effeff.de

Our product catalogue online at www.effeff.de

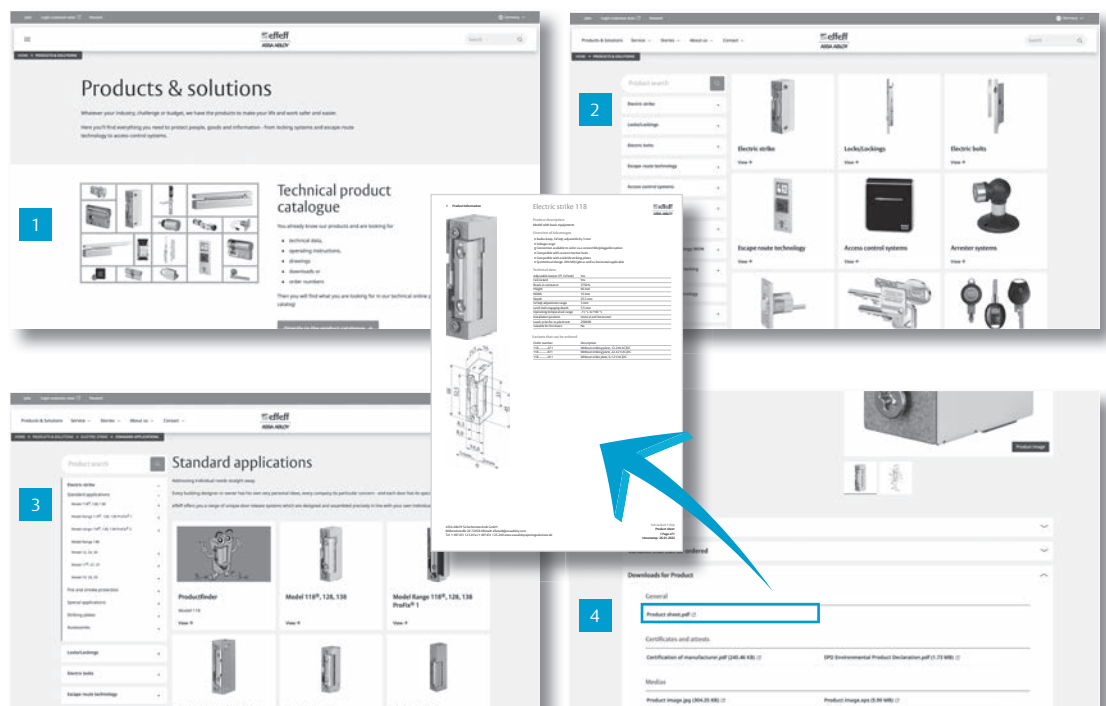
Fast and up-to-date comprehensive product information at any time

1 Clearly arranged layout according to our different product areas...

2 the submenu will help you navigate through our database ...

3 ... to find the model you need.

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About us		2 - 3
Contents		5
Electric holding magnets		
Explanations		6
Mini-magnets	holding force 600 lbs (ca. 2700 N)	7
Maxi-magnets	holding force 1200 lbs (ca. 5300 N)	7
Double-mini-magnets	holding force 2 x 600 lbs (ca. 2x2700 N)	8
Double-maxi-magnets	holding force 2 x 1200 lbs (ca. 2x5300 N)	8
Gate magnets	holding force 1200 lbs (ca. 5300 N)	9
Mini-shear-magnets		9
Maxi-shear-magnets		9
Accessories		10 – 11
Electric holding magnets along escape routes		
Explanations		12
Compact flat holding magnet	holding force 2500 N	13 – 14
Accessories		15
Flat holding magnets	holding force 5000 N	16
Accessories		17
Magnets for arrester systems		
Explanations		18
Round magnets model series 830		19 – 25
Counter holding plate model series 830		26 – 27
Order form		28
Return of good		29

Our electric holding magnets – Products from the specialist



Why you should choose effeff electric holding magnets!

An extensive selection of electric holding magnets featuring widely different designs is an integral part of the effeff locking systems range.

The effeff range includes models for all standard doors. Thanks to their low-noise operation and distinct advantages for a retro-fit, electric holding magnets are eminently suitable as an extra locking mechanism on doors.



The effeff range also includes electric holding magnets suitable for use along escape routes and approved in accordance with the German 'Guideline for electric locking systems for doors along escape routes' (EltVTR).

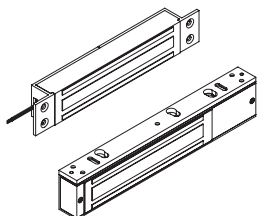


Another product area is round magnets, which can be used in arrester systems for fire doors.

Key advantages of flat magnets are:

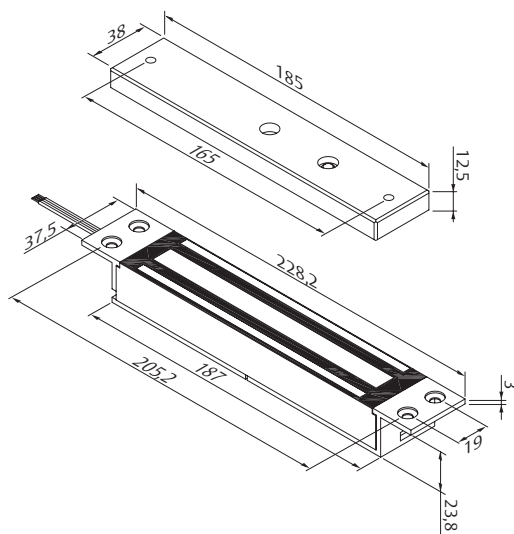
- Easy installation
- Ideal for retrofit installation of a door with access control
- Ideal for retrofitting
- Different holding force categories, suitable for installing in a wide range of door systems
- Due to their construction and functionality almost without wear

Electric holding magnets



Mini-magnet 600 lbs

Mini-magnets offer a great compromise between size and adhesive force and are perfect for small to standard sized doors. Variants are available with an integrated hall-sensor for locked signal, variants for surface and flush mounting, as well as various accessories.

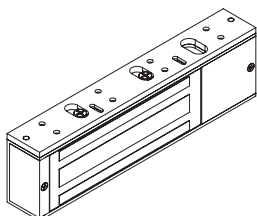


Technical attributes

Input operating voltage	12/24 VDC
Current consumption at 12 V DC	505 mA
Current consumption at 24 V DC	260 mA
Holding force	600 lbs
Material	Aluminium housing surface
Operating temperature range	-10 °C to +55 °C

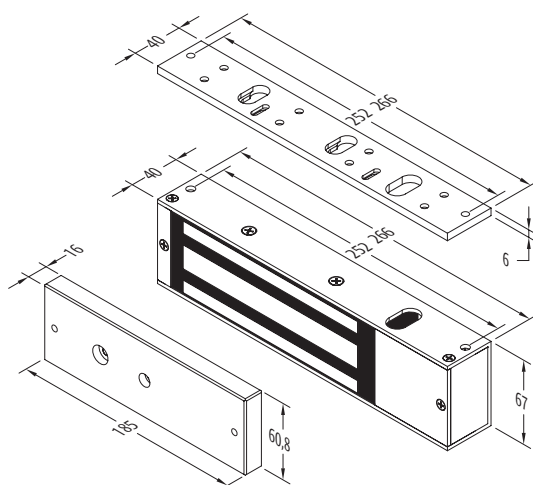
Article / Feature

Article / Feature	Order no.
600 lbs (ca. 2700N), 12-24V DC, mortise installation	MAG - 600MM - - - - -
600 lbs (ca. 2700N), 12-24V DC, mortise installation, hall-sensor	MAG - 600MM - - - - - H
600 lbs (ca. 2700N), 12-24V DC, surface mounted installation	MAG - 600SM - - - - -
600 lbs (ca. 2700N), 12-24V DC, surface mounted installation, hall-sensor	MAG - 600SM - - - - - H
600 lbs (ca. 2700N), 12-24V DC, surface mounted installation, hall-sensor, UL-certification	MAG - 600SM - UL - - H



Maxi-magnet 1200 lbs

Due to their relatively high holding force maxi-magnets are an ideal solution for locking of normal sized and bigger doors.



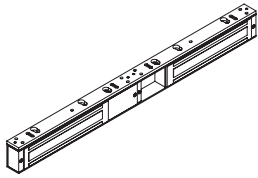
Technical attributes

Input operating voltage	12/24 VDC
Current consumption at 12 V DC	505 mA
Current consumption at 24 V DC	260 mA
Holding force	1200 lbs
Mounting method	Surface mounting
Material	Aluminium housing surface
Operating temperature range	-10 °C to +55 °C

Article / Feature

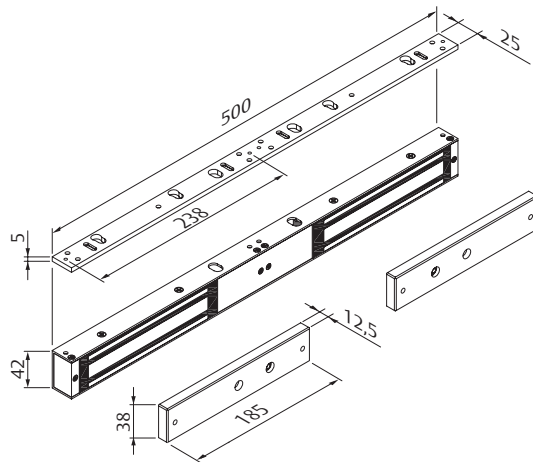
Article / Feature	Order no.
1200 lbs (ca. 5300N), 12-24V DC, surface mounted installation	MAG - 1200SM - - - - -
1200 lbs (ca. 5300N), 12-24V DC, surface mounted installation, hall-sensor	MAG - 1200SM - - - - - H
1200 lbs (ca. 5300N), 12-24V DC, surface mounted installation, hall-sensor, timer	MAG - 1200SM - - - - - TH
1200 lbs (ca. 5300N), 12-24V DC, surface mounted installation, hall-sensor, UL-certification	MAG - 1200SM - UL - H

Electric holding magnets



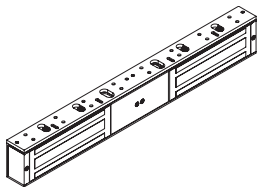
Double-mini-magnet 2 x 600 lbs

Double-mini-magnets offers a very good compromise between size and holding force and are ideal for smaller and normal sized standard double leaf doors. Surface mounting. Versions with integrated hall-sensor for locking monitoring are available as well as divers accessories.



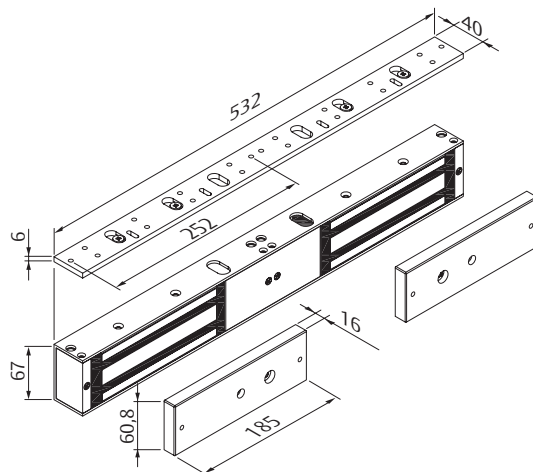
Technical attributes	
Input operating voltage	12/24 VDC
Current consumption at 12 V DC	505 mA
Current consumption at 24 V DC	260 mA
Holding force	2 x 600 lbs
Mounting method	Surface mounting
Material	Aluminium housing surface
Operating temperature range	-10 °C to +55 °C

Article / Feature	Order no.
2 x 600 lbs (ca. 2 x 2700N), 12-24V DC, surface mounted installation	MAGD-600SM-----
2 x 600 lbs (ca. 2 x 2700N), 12-24V DC, surface mounted installation, hall-sensor	MAGD-600SM----H
2 x 600 lbs (ca. 2 x 2700N), 12-24V DC, surface mounted installation, hall-sensor, UL-certification	MAGD-600SM-UL-H



Double-maxi-magnet 2 x 1200 lbs

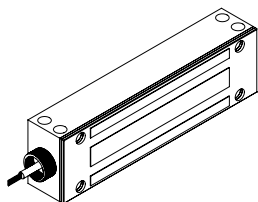
Thanks to their relatively high adhesive force, double-maxi-magnets are the ideal solution for locking normal-sized to larger double leaf doors. Screw-on installation. Different versions with integrated hall-sensor for locked signal and accessories are available.



Technical attributes	
Input operating voltage	12/24 VDC
Current consumption at 12 V DC	505 mA
Current consumption at 24 V DC	260 mA
Holding force	2 x 1200 lbs
Mounting method	Surface mounting
Material	Aluminium housing surface
Operating temperature range	-10 °C to +55 °C

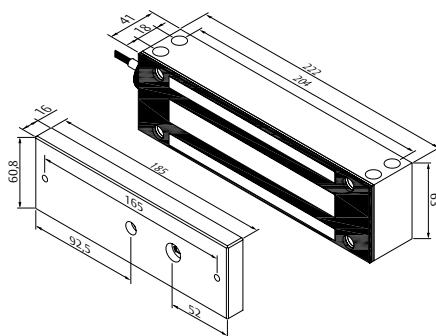
Article / Feature	Order no.
2 x 1200 lbs (ca. 2 x 5300N), 12-24V DC, surface mounted installation	MAGD-1200SM-----
2 x 1200 lbs (ca. 2 x 5300N), 12-24V DC, surface mounted installation, hall-sensor	MAGD1200SM----H
2 x 1200 lbs (ca. 2 x 5300N), 12-24V DC, surface-mounted, aluminium, hall-sensor, UL-certification	MAGD1200SM-UL-H

Electric holding magnets



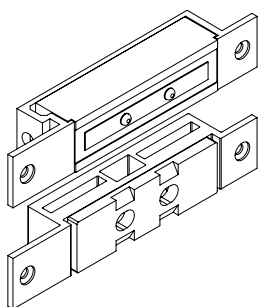
Gate-magnet 1200 lbs

Gate-magnets have a very high adhesive force and are also suitable for outdoor installation. They are often used for locking larger doors and gates. Surface installation. Different versions with integrated hall-sensor for locked signal and accessories are available.



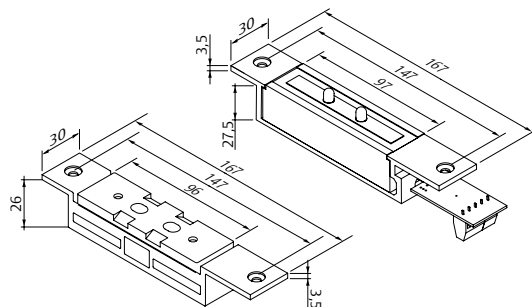
Technical attributes	
Input operating voltage	12/24 VDC
Current consumption at 12 V DC	505 mA
Current consumption at 24 V DC	260 mA
Protection rating	IP 65
Holding force	1200 lbs
Mounting method	Surface mounting
Material	Stainless steel housing surface
Operating temperature range	-20 °C to +60 °C

Article / Feature	Order no.
1200 lbs (ca. 5300N), 12-24V DC, surface mounted installation	MAGG1200SM-----
1200 lbs (ca. 5300N), 12-24V DC, surface mounted installation, hall-sensor	MAGG1200SM----H



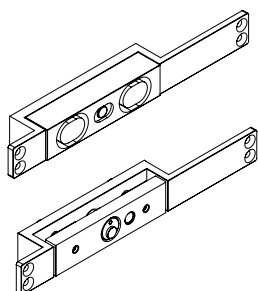
Mini-shear-magnet

Mini-shear-magnets provide relatively high locking pressure despite their very minimal size. The locking force retention system (magnetic force) is reinforced by the side shearing placed counter holding plate with integrated positive locking joints (bolts).



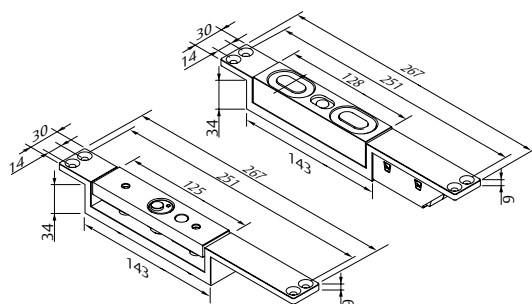
Technical attributes	
Input operating voltage	12/24 VDC
Current consumption at 12 V DC	2 A
Current consumption at 24 V DC	1 A
Mounting method	Socket mounting
Material	Aluminium housing surface
Operating temperature range	-10 °C to +55 °C

Article / Feature	Order no.
12-24V DC, screw-in installation	MAGS1600MM-----
12-24V DC, screw-in installation, Hall-sensor	MAGS1600MM----H



Maxi-shear-magnet

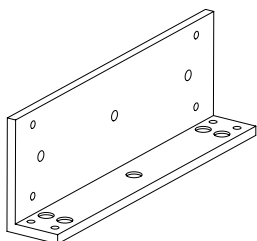
Maxi-shear-magnets provide very high locking pressure despite being minimum size. The locking force retention system (magnetic force) is reinforced by the side shearing placed counter holding plate with integrated positive locking joints (bolts).



Technical attributes	
Input operating voltage	12/24 VDC
Current consumption at 12 V DC	450 mA
Current consumption at 24 V DC	250 mA
Mounting method	Socket mounting
Operating temperature range	-10 °C to +55 °C

Article / Feature	Order no.
12-24V DC, mortise installation, faceplate 30mm	MAGS4200MM---30
12-24V DC, mortise installation, faceplate 35mm	MAGS4200MM---35

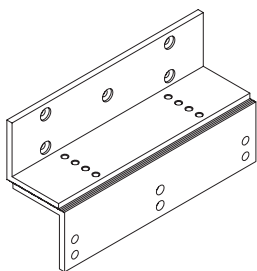
L-mounting bracket



Technical attributes	
Material	Aluminium

Article / Feature	Order no.
for mini-magnets, L-shaped with protective cover	MAGAC-L-AL600C-
for mini-magnets, L-shaped	MAGAC-L-AL600--
for double mini-magnets, L-shaped	MAGAC-L-AL600D-
for maxi-magnets, L-shaped	MAGAC-L-AL1200-
for double maxi-magnets, L-shaped	MAGAC-L-AL1200D

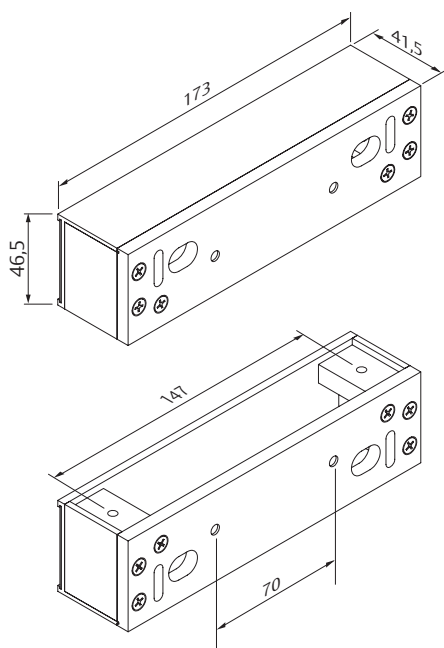
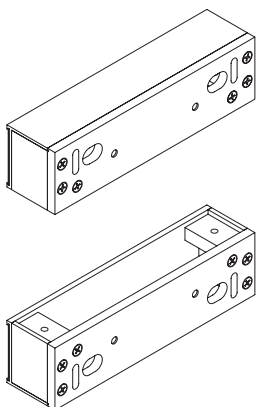
Z-mounting bracket



Technical attributes	
Material	Aluminium

Article / Feature	Order no.
universal mounting bracket Z-shaped	MAGAC-Z-1200---
for mini-magnets, Z-shaped	MAGAC-Z-AL600--
for double mini-magnets, Z-shaped	MAGAC-Z-AL600-D
for maxi-magnets, Z-shaped	MAGAC-Z-AL1200-
for double maxi-magnets, Z-shaped	MAGAC-Z-AL1200D

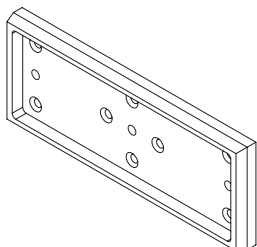
Housing



Technical attributes	
Length	173 mm
Width	46,5 mm
Depth	41,5 mm
Material	Aluminium

Article / Feature	Order no.
for mini-shear-magnets	MAGAC-H-1600---

Mounting plate

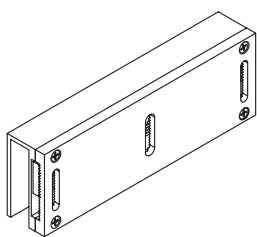


Technical attributes

Material	Aluminium
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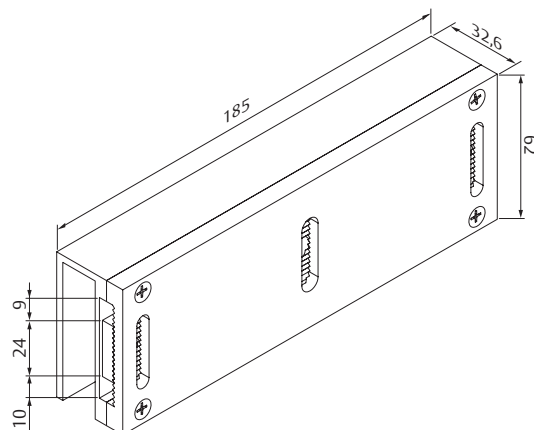
Article / Feature

Article / Feature	Order no.
for mini-magnets	M A G A C - P - 6 0 0 - - -
for maxi-magnets	M A G A C - P - 1 2 0 0 - - -



Glass door shoe

For mounting counter-holding plate on glass door element.



Technical attributes

Length	185 mm
Width	62 mm
Depth	32.6 mm
Material	Aluminium

Article / Feature

Article / Feature	Order no.
For mini and maxi-magnets.	M A G A C - U - 1 2 0 0 - - -

Electric holding magnets along escape routes



Employees, hotel guests or visitors to public buildings need to be sure that they would be able to escape in the case of an emergency. Along escape routes it must be possible to open doors easily in escape direction and without any help. But this usually contradicts the securing requirement of the facility manager as the misuse of emergency exits is simplified. For example in the supermarket where the rear exits first offer the possibility to avoid passing the cash register.

In order to protect against misuse, the construction product 'Electric Locking Systems for Doors along Escape Routes' has been defined in the Building Regulation List published by the German Institute for Structural Engineering. Such systems always ensure safe evacuation in the case of an emergency while also preventing misuse of emergency exits at other times. All effeff escape door systems comply with the German 'Guidelines for Electronic Locking Systems in Doors along Escape Routes' (EltVTR), which are specified in Building Regulation List A, Part 1, serial number 6.19, as the applicable technical regulations for this product, and consequently bear the corresponding mark of conformity (Ü mark).

The systems and their components

Since it is possible to integrate the control electronics in the terminal, just two components, the locking component and a control terminal, are required to ensure regulation-compliant securing of doors along escape routes with an effeff escape door system. Central systems, such as building automation technology and hazard alert systems, can be connected to the control electronics. The central control panel to monitor and control the system functions using bus technology.

Fail-unlocked operating principle

Escape route locking systems are based on the fail-unlocked operating principle. The door is instantly enabled when activated or in the event of emergency release or a power failure. EltVTR-compliant effeff flat holding magnets are used when doors in fire protection barriers are retrofitted with escape door systems or when there is a need to make no considerable structural modifications to the door leaf and frame when retrofitting an escape door system. Moreover, the almost silent operation of flat holding magnets is advantageous in the case of heavily used doors. Flat holding magnets feature an integrated hall-sensor which generates the required feedback signal to the control unit, thus also providing protection against sabotage and tampering.

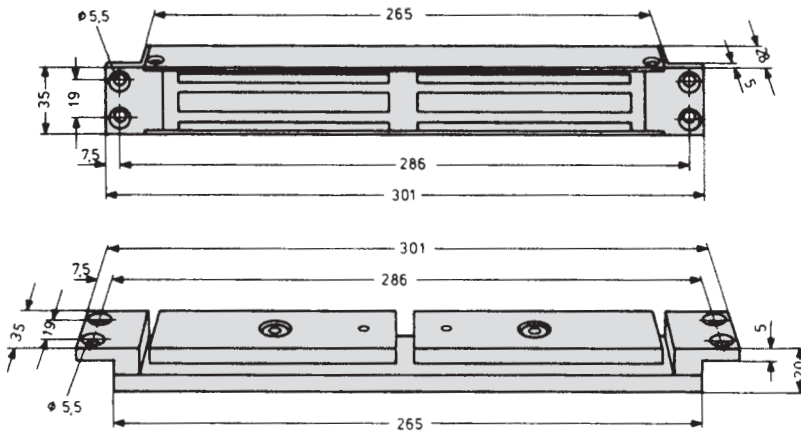
Compact holding magnet

Holding force of 2500 N



Compact holding magnet Model 827H

Holding magnet in compact design which provides a concealed securing system for doors along escape routes. Dimensionally stable aluminium housing for flush mounting incl. counterplate. A monitoring contact, such as model 10380U-6, is not included in the scope of delivery. Variant with hall-sensor: a contact for monitoring the locking status (hall-sensor) is integrated in the magnet.



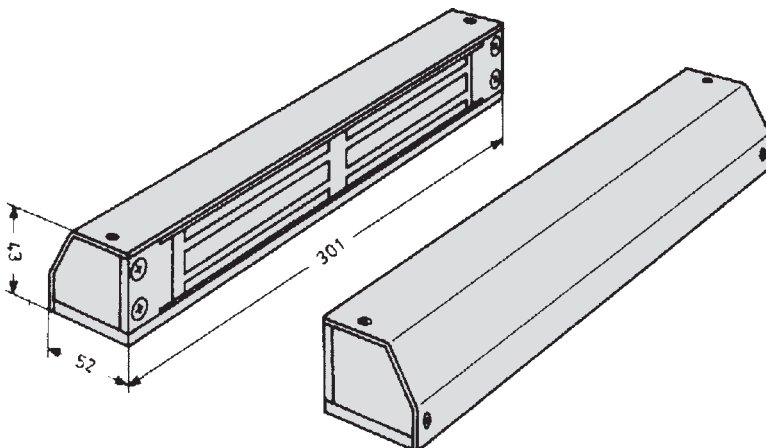
Technical attributes	
Input operating voltage	12 V DC / 24 V DC
Current consumption 12 V DC	500 mA
Continuous duty	100 % ED
Connecting cable	4 m
Color	Natural, anodised
Length	301 mm
Height	35 mm
Width magnet	28 mm
Counterplate width	20 mm

Article / Feature	Order no.
For door frame mounting; 12/24V; holding force 2500 N	8 2 7 - - - - - 4 4 F 9 0
For installation in door frames; with hall-sensor; 12/24 V; holding force 2500 N	8 2 7 H - - - - - 4 4 F 9 0



Compact holding magnet model 827AP

Surface holding magnet in compact design surface-mounted casing for use on sliding doors, for example. Dimensionally stable design in surface-mounted sheet steel casing. A monitoring contact, such as model 10380U-6, is not included in the scope of delivery.



Technical attributes	
Input operating voltage	24 V DC / 12 V DC
Rated current consumption	12 V DC = 500 mA / 24 V DC = 250 mA
Continuous duty	100 % ED
Connecting cable	4 m
Color	Grey white
Length	301 mm
Width	52 mm
Height	43 mm

Article / Feature	Order no.
In surface-mounted housing; 12/24V; holding force 2500 N; surface-mounted	8 2 7 A P - - - - - 9 3 F 9 0

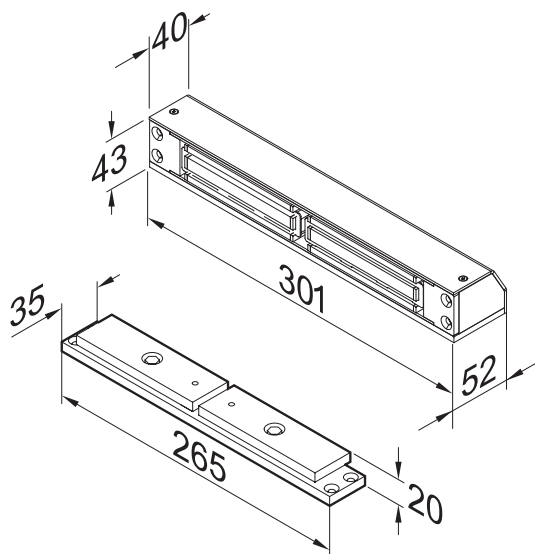
Compact holding magnet

Holding force of 2500 N



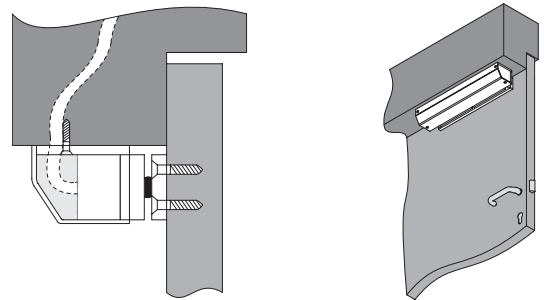
Flat holding magnet model 827HA

Holding magnet in compact design which provides a concealed securing system for doors along escape routes. Dimensionally stable aluminium housing for flush mounting incl. counterplate. A monitoring contact, such as model 10380U-6, is not included in the scope of delivery. Variant with hall-sensor: a contact for monitoring the locking status (hall-sensor) is integrated in the magnet.



Technical attributes	
Input operating voltage	12 V DC / 24 V DC
Current consumption 12 V DC	500 mA
Current consumption 24 V DC	250 mA
Variant	For angle mounting
Hall-sensor	yes
Holding force	2500 N
Length	301 mm
Height	52 mm
Width	43 mm
Connecting cable	4 m

Article / Feature	Order no.
With counterplate; with hall effect sensor; 12/24 V DC; holding force 2500 N; natural anodised	8 2 7 H A - - - - 4 4 F 9 0
With counterplate; with hall-sensor; 12/24 V DC; holding force 2500 N, grey white	8 2 7 H A - - - - 9 3 F 9 0
With counterplate; 12/24 V DC; holding force 2500 N; silver	8 2 7 A - - - - - 4 4 F 9 0
With counterplate; 12/24 V DC; holding force 2500 N; white	8 2 7 A - - - - - 9 3 F 9 0

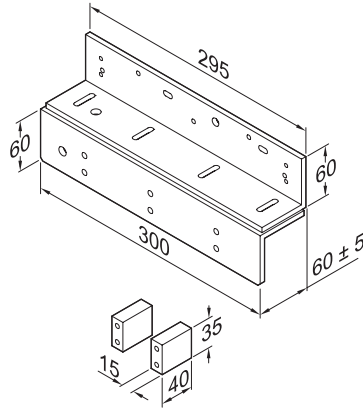


Compact holding magnet

Mounting accessories

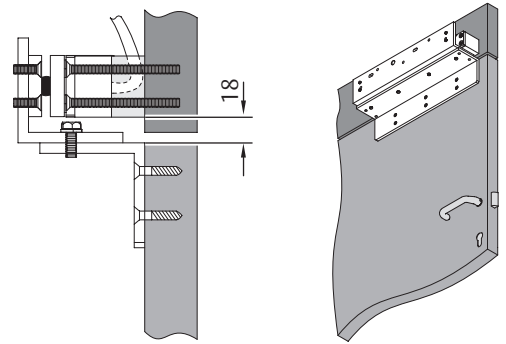


Door Fastening Installation Set Model 827-6-1
For fitting holding magnets 827HA onto flush-fitted door structures.

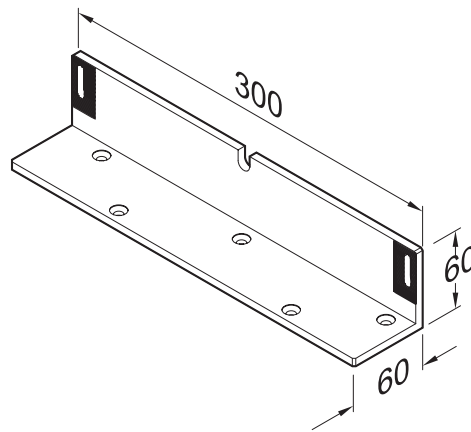


Technical attributes	
Version	Adjustable

Article / Feature	Order no.
Z-bracket adjustable	8 2 7 - 6 - 1 - - - - - 0 0

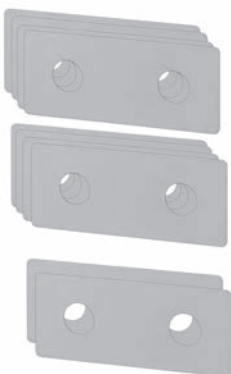
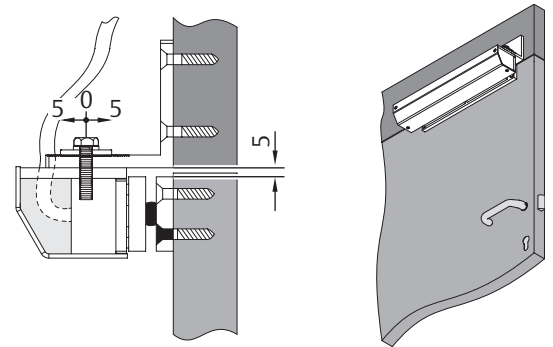


Surface L-bracket Model 827-7
For fitting holding magnets 827HA onto flush-fitted door structures.



Technical attributes	
Variant	Adjustable

Article / Feature	Order no.
For flush-surface mounted doors; adjustable; L-bracket	8 2 7 - 7 - - - - - 0 0



Accessory Bag Model 827ZB-M
Mounting spacer plates, 10 units, 0.5 mm for counter-plate model 827.

Technical attributes	
Thickness	0,5 mm

Article / Feature	Order no.
For 827H installation spacer plate, 0.5 mm	8 2 7 Z B - M - - - - - 0 0

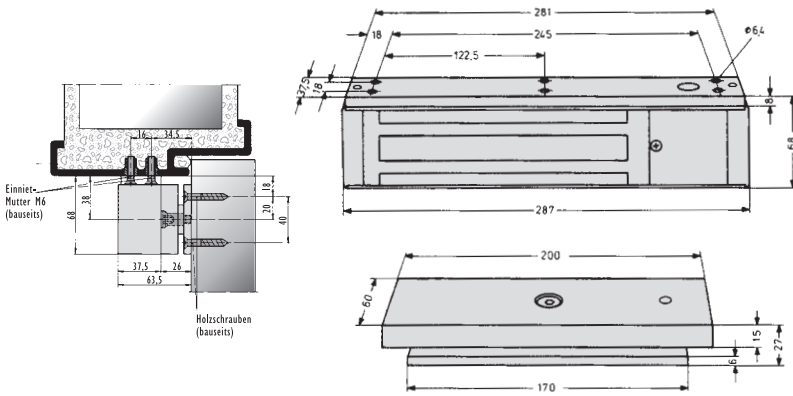
Holding magnet

Holding force of 5000 N



Holding magnet Model 828

Surface holding magnets are suitable for securing doors in an electro-magnetic system. They are easy to install, as there is no need to make modifications or cut-outs in door frames. Surface holding electro-Magnet 828 contains an integrated contact to monitor locking status (hall effect sensor).

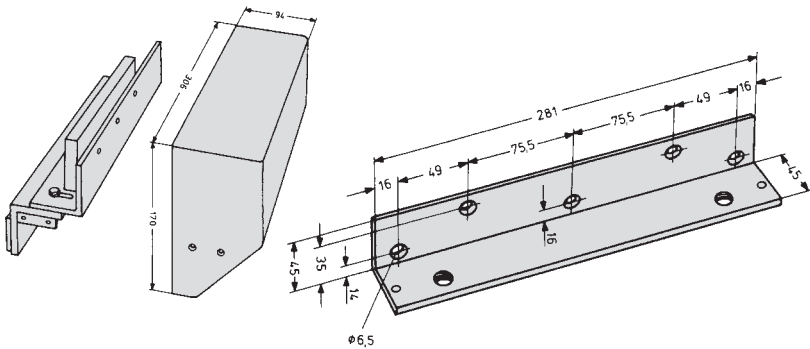


Technical attributes	
Input operating voltage	12 V DC / 24 V DC
Max. contact rating	2 A
Current consumption 12 V DC	630 mA
Current consumption 24 V DC	315 mA
Holding force	5000 N
Switching contact	Potential-free relay change-over contact
Width	287 mm
Height	68 mm
Length	37,5 mm
Continuous duty	100 % ED

Article / Feature	Order no.
With counterplate; with hall-sensor; 12/24 V DC; holding force 5000 N; EV 1 silver	8 2 8 - - - - - 4 4 F 9 0
With counterplate; with hall-sensor; 12/24 V DC; holding force 5000 N; bronze coloured anodised	8 2 8 - - - - - 4 7 F 9 0

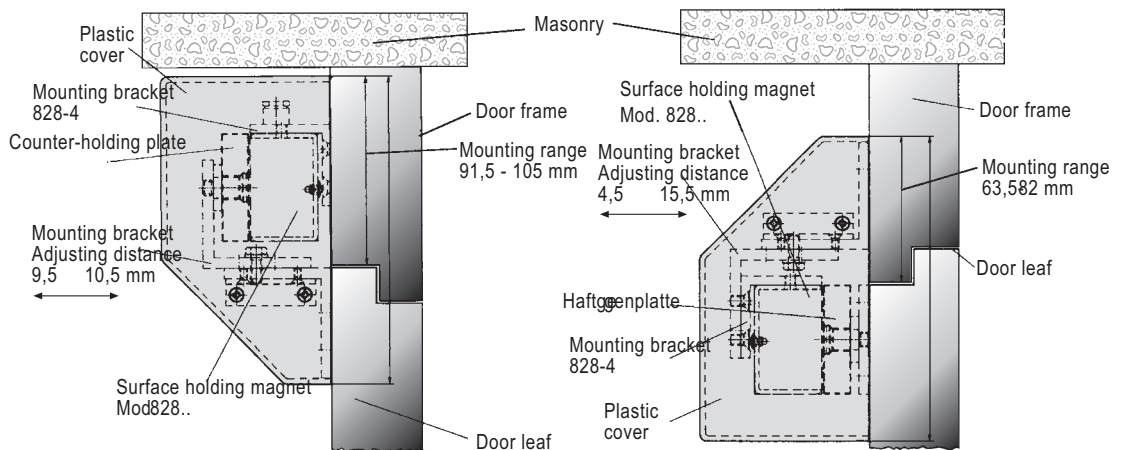
Installation Kit Model 828-6

For fitting holding magnets 827A and 828 onto flush-fitted door structures.



Technical attributes	
Height	170 mm
Width	306 mm
Depth	94 mm

Article / Feature	Order no.
For flush-surface mounted doors; adjustable; Z-bracket and lid	8 2 8 - 6 - - - - - 4 4



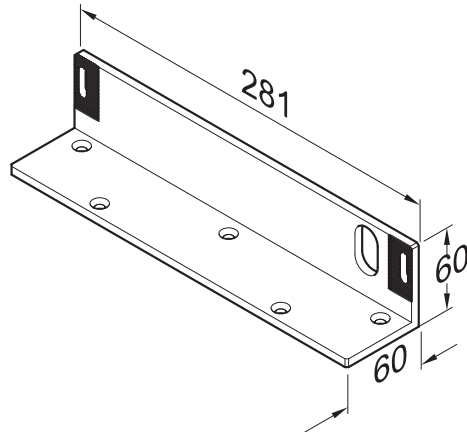
Holding magnet

Mounting accessories



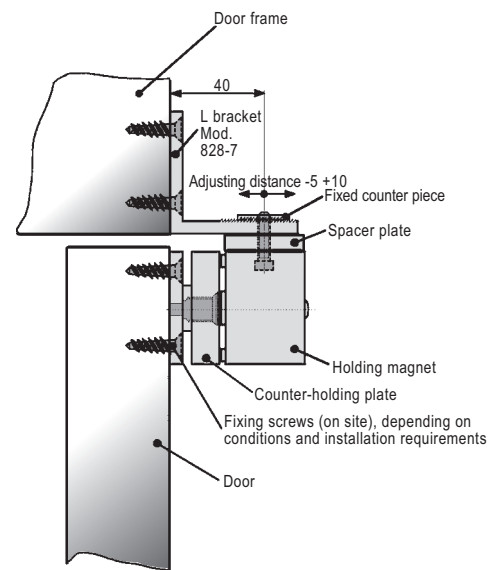
Screw-down angle

For fitting holding magnets 827A and 828 onto flush-fitted door structures.



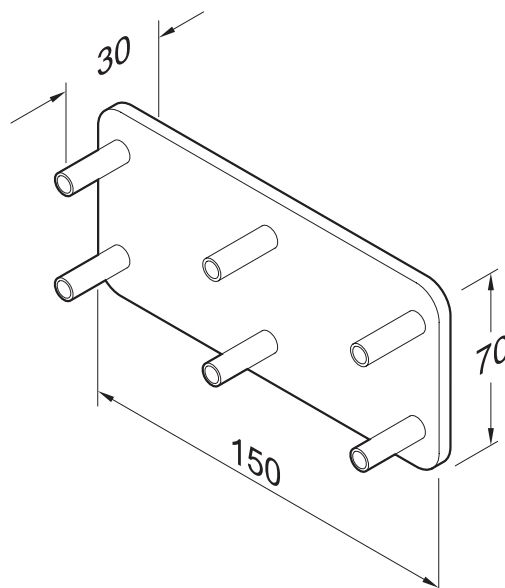
Technical attributes	
Height	60 mm
Width	281 mm
Depth	60 mm

Article / Feature	Order no.
For flush-surface mounted doors; adjustable; L-bracket	8 2 8 - 7 - - - - - 0 0



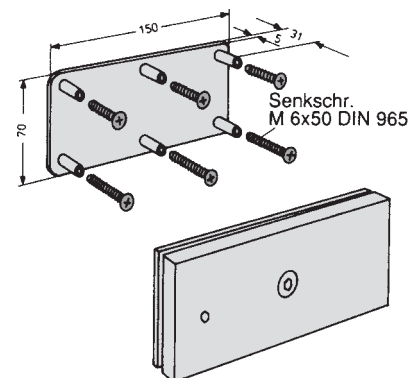
Mounting counter holder

Counter fitting brackets 828-5 enable seamless screw joints to be fitted onto wood doors. This leads to greater stability when fastening holder striking plates to wood doors (not suitable for fire doors).



Technical attributes	
Height	70 mm
Width	150 mm
Depth	5 mm

Article / Feature	Order no.
For 828-2; aluminium colour anodised	8 2 8 - 5 - - - - - 4 4



Round magnets for holding doors open



Round magnets for arrester systems

effe's comprehensive range of holding magnets is suitable for all types of applications. Whether you require holding magnets to be fitted to the wall or in the floor with corresponding spacers, effe is your competent partner worldwide.

Holding magnets with diodes

Holding magnets for integration in fire alarm systems and other electronic systems can be delivered with recovery and reverse protection diode.

Order suffix: ... with diode

Holding magnets and counterplates

Holding magnets and counterplates are made of special soft magnetic iron. This guarantees the best possible holding force while featuring low power consumption and low remanent magnetism. For this reason, you need to order holding magnets and their counterplates together at the same time. The surfaces on holding magnets and their counterplates are nickel-plated.

Holding magnets can also be combined with an installation box and spacers.

Easy installation

Counter holding plates are basically bigger in diameter than their corresponding holding magnet. This makes them easier to fit into position opposite holding magnets, as any tolerance variations are compensated thanks to the larger size of counterplates.

Installation example for wall or floor fitting



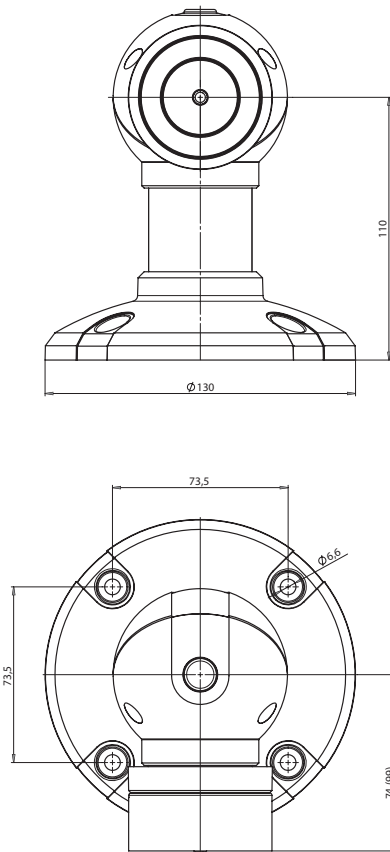
If the door closer acts on the top of the door, fit the arrester system at the top.



If the door closer acts on the bottom of the door, fit the arrester system at the bottom.

Electric holding magnets

Round magnets



Magnet Model 830 BW1/U/D/UD

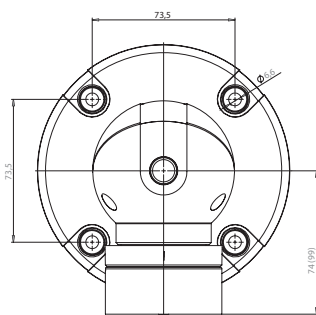
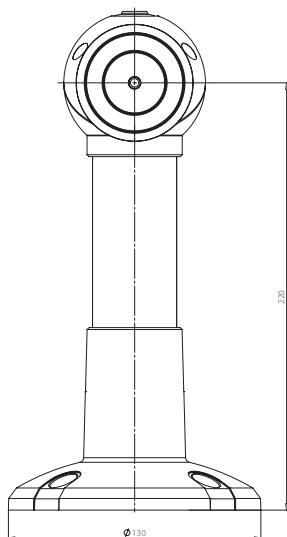
Holding magnet with spacer convertible for wall or floor mounting. Optionally with integrated interrupter push button and with integrated shock absorber to ensure door comes to a soft stop.

Technical attributes	
Supply voltage	24 V DC
Current consumption at 24 V:	
Model 830-3:	Holding force 300 N / 20 mA
Model 830-5:	Holding force 500 N / 25 mA
Model 830-8:	Holding force 800 N / 45 mA
Model 83012:	Holding force 1200 N / 105 mA
Operating temperature range	0 to +50 °C
Certified in compliance with	DIN EN 1155
Continuous duty	100 % ED
Class of protection	IP 40
Floor spacing	110 mm
Wall clearance without shock absorbers	190 mm
Wall clearance with shock absorber	215 mm

Article / Feature	Order no.
Floor/ wall mount; holding force: 300 N; floor clearance: 110 mm; wall clearance: 190 mm	8 3 0 - 3 B W 1 - - - - F 9 0
Floor/ wall mount; holding force: 500 N; floor clearance: 110 mm; wall clearance: 190 mm	8 3 0 - 5 B W 1 - - - - F 9 0
Floor/ wall mount; holding force: 800 N; floor clearance: 110 mm; wall clearance: 190 mm	8 3 0 - 8 B W 1 - - - - F 9 0
Floor/ wall mount; holding force: 1,200 N; floor clearance: 110 mm; wall clearance: 190 mm	8 3 0 1 2 B W 1 - - - - F 9 0
Floor/ wall mount; holding force: 300 N; floor clearance: 110 mm; wall clearance: 190 mm; interrupter pushbutton	8 3 0 - 3 B W 1 U - - - F 9 0
Floor/ wall mount; holding force: 500 N; floor clearance: 110 mm; wall clearance: 190 mm; interrupter pushbutton	8 3 0 - 5 B W 1 U - - - F 9 0
Floor/ wall mount; holding force: 800 N; floor clearance: 110 mm; wall clearance: 190 mm; interrupter pushbutton	8 3 0 - 8 B W 1 U - - - F 9 0
Floor/ wall mount; holding force: 1,200 N; floor clearance: 110 mm; wall clearance: 190 mm; interrupter pushbutton	8 3 0 1 2 B W 1 U - - - F 9 0
Floor/ wall mount; holding force: 300 N; floor clearance: 110 mm; wall clearance: 215 mm; shock absorber	8 3 0 - 3 B W 1 - D - - F 9 0
Floor/ wall mount; holding force: 500 N; floor clearance: 110 mm; wall clearance: 215 mm; shock absorber	8 3 0 - 5 B W 1 - D - - F 9 0
Floor/ wall mount; holding force: 800 N; floor clearance: 110 mm; wall clearance: 215 mm; shock absorber	8 3 0 - 8 B W 1 - D - - F 9 0
Floor/ wall mount; holding force: 1,200 N; floor clearance: 110 mm; wall clearance: 215 mm; shock absorber	8 3 0 1 2 B W 1 - D - - F 9 0
Floor/ wall mount; holding force: 300 N; floor clearance: 110 mm; wall clearance: 215 mm; interrupter button and shock absorber	8 3 0 - 3 B W 1 U D - - F 9 0
Floor/ wall mount; holding force: 500 N; floor clearance: 110 mm; wall clearance: 215 mm; interrupter button and shock absorber	8 3 0 - 5 B W 1 U D - - F 9 0
Floor/ wall mount; holding force: 800 N; floor clearance: 110 mm; wall clearance: 215 mm; interrupter button and shock absorber	8 3 0 - 8 B W 1 U D - - F 9 0
Floor/ wall mount; holding force: 1,200 N; floor clearance: 110 mm; wall clearance: 215 mm; interrupter button and shock absorber	8 3 0 1 2 B W 1 U D - - F 9 0

Electric holding magnets

Round magnets



Magnet Model 830 BW2/U/D/UD

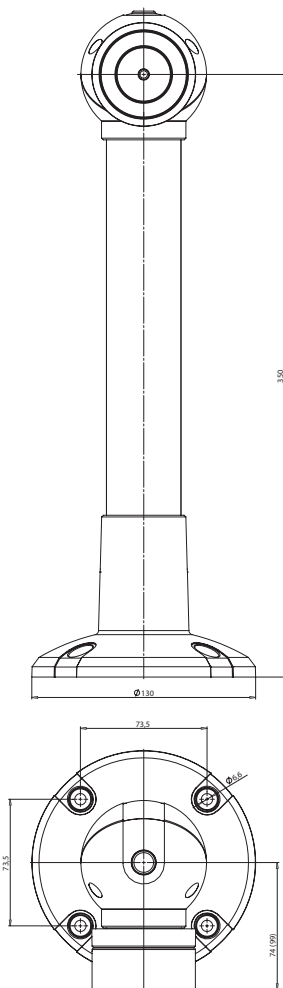
Holding magnet with spacer convertible for wall or floor mounting. Optionally with integrated interrupter push button and with integrated shock absorber to ensure door comes to a soft stop.

Technical attributes	
Supply voltage	24 V DC
Current consumption at 24 V	
Model 830-3:	Holding force 300 N / 20 mA
Model 830-5:	Holding force 500 N / 25 mA
Model 830-8:	Holding force 800 N / 45 mA
Model 83012:	Holding force 1200 N / 105 mA
Operating temperature range	0 to +50 °C
Certified in compliance with	DIN EN 1155
Continuous duty	100 % ED
Class of protection	IP 40
Floor spacing	220 mm
Wall clearance without shock absorbers	300 mm
Wall clearance with shock absorber	325 mm

Article / Feature	Order no.
Floor/ wall mount; holding force: 300 N; floor clearance: 220 mm; wall clearance: 300 mm	8 3 0 - 3 B W 2 - - - F 9 0
Floor/ wall mount; holding force: 500 N; floor clearance: 220 mm; wall clearance: 300 mm	8 3 0 - 5 B W 2 - - - F 9 0
Floor/ wall mount; holding force: 800 N; floor clearance: 220 mm; wall clearance: 300 mm	8 3 0 - 8 B W 2 - - - F 9 0
Floor/ wall mount; holding force: 1200 N; floor clearance: 220 mm; wall clearance: 300 mm	8 3 0 1 2 B W 2 - - - F 9 0
Floor/wall mount; holding force: 300 N; floor clearance: 220 mm; wall clearance: 300 mm; interrupter pushbutton	8 3 0 - 3 B W 2 U - - - F 9 0
Floor/wall mount; holding force: 500 N; floor clearance: 220 mm; wall clearance: 300 mm; interrupter pushbutton	8 3 0 - 5 B W 2 U - - - F 9 0
Floor/wall mount; holding force: 800 N; floor clearance: 220 mm; wall clearance: 300 mm; interrupter pushbutton	8 3 0 - 8 B W 2 U - - - F 9 0
Floor/wall mount; holding force: 1200 N; floor clearance: 220 mm; wall clearance: 300 mm; interrupter pushbutton	8 3 0 1 2 B W 2 U - - - F 9 0
Floor/ wall mount; holding force: 300 N; floor clearance: 220 mm; wall clearance: 325 mm; shock absorber	8 3 0 - 3 B W 2 - D - - F 9 0
Floor/ wall mount; holding force: 500 N; floor clearance: 220 mm; wall clearance: 325 mm; shock absorber	8 3 0 - 5 B W 2 - D - - F 9 0
Floor/ wall mount; holding force: 800 N; floor clearance: 220 mm; wall clearance: 325 mm; shock absorber	8 3 0 - 8 B W 2 - D - - F 9 0
Floor/ wall mount; holding force: 1200 N; floor clearance: 220 mm; wall clearance: 325 mm; shock absorber	8 3 0 1 2 B W 2 - D - - F 9 0
Floor/ wall mount; holding force: 300 N; floor clearance: 220 mm; wall clearance: 325 mm; interrupter button and shock absorber	8 3 0 - 3 B W 2 U D - - F 9 0
Floor/ wall mount; holding force: 500 N; floor clearance: 220 mm; wall clearance: 325 mm; interrupter button and shock absorber	8 3 0 - 5 B W 2 U D - - F 9 0
Floor/ wall mount; holding force: 800 N; floor clearance: 220 mm; wall clearance: 325 mm; interrupter button and shock absorber	8 3 0 - 8 B W 2 U D - - F 9 0
Floor/ wall mount; holding force: 1200 N; floor clearance: 220 mm; wall clearance: 325 mm; interrupter button and shock absorber	8 3 0 1 2 B W 2 U D - - F 9 0

Electric holding magnets

Round magnets



Magnet Model 830XXBW3/U/D/UD

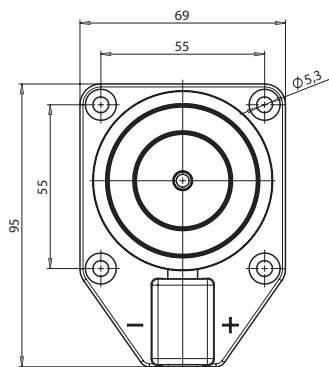
Holding magnet with spacer convertible for wall or floor mounting. Optionally with integrated interrupter push button and with integrated shock absorber to ensure door comes to a soft stop.

Technical attributes	
Supply voltage	24 V DC
Current consumption at 24 V	
Model 830-3:	Holding force 300 N / 20 mA
Model 830-5:	Holding force 500 N / 25 mA
Model 830-8:	Holding force 800 N / 45 mA
Model 83012:	Holding force 1200 N / 105 mA
Operating temperature range	0 to +50 °C
Certified in compliance with	DIN EN 1155
Continuous duty	100 % ED
Class of protection	IP 40
Floor spacing	350 mm
Wall clearance without shock absorbers	430 mm
Wall clearance with shock absorber	455 mm

Article / Feature	Order no.
Floor/wall mount; holding force: 300 N; floor clearance: 350 mm; wall clearance: 430 mm	8 3 0 - 3 B W 3 - - - F 9 0
Floor/wall mount; holding force: 500 N; floor clearance: 350 mm; wall clearance: 430 mm	8 3 0 - 5 B W 3 - - - F 9 0
Floor/wall mount; holding force: 800 N; floor clearance: 350 mm; wall clearance: 430 mm	8 3 0 - 8 B W 3 - - - F 9 0
Floor/wall mount; holding force: 1200 N; floor clearance: 350 mm; wall clearance: 430 mm	8 3 0 1 2 B W 3 - - - F 9 0
Floor/wall mount; holding force: 300 N; floor clearance: 350 mm; wall clearance: 430 mm; interrupter pushbutton	8 3 0 - 3 B W 3 U - - F 9 0
Floor/wall mount; holding force: 500 N; floor clearance: 350 mm; wall clearance: 430 mm; interrupter pushbutton	8 3 0 - 5 B W 3 U - - F 9 0
Floor/wall mount; holding force: 800 N; floor clearance: 350 mm; wall clearance: 430 mm; interrupter pushbutton	8 3 0 - 8 B W 3 U - - F 9 0
Floor/wall mount; holding force: 1200 N; floor clearance: 350 mm; wall clearance: 430 mm; interrupter pushbutton	8 3 0 1 2 B W 3 U - - F 9 0
Floor/wall mount; holding force: 300 N; floor clearance: 350 mm; wall clearance: 455 mm; shock absorber	8 3 0 - 3 B W 3 - D - - F 9 0
Floor/wall mount; holding force: 500 N; floor clearance: 350 mm; wall clearance: 455 mm; shock absorber	8 3 0 - 5 B W 3 - D - - F 9 0
Floor/wall mount; holding force: 800 N; floor clearance: 350 mm; wall clearance: 455 mm; shock absorber	8 3 0 - 8 B W 3 - D - - F 9 0
Floor/wall mount; holding force: 1200 N; floor clearance: 350 mm; wall clearance: 455 mm; shock absorber	8 3 0 1 2 B W 3 - D - - F 9 0
Floor/wall mount; holding force: 300 N; floor clearance: 350 mm; wall clearance: 455 mm; interrupter button and shock absorber	8 3 0 - 3 B W 3 U D - - F 9 0
Floor/wall mount; holding force: 500 N; floor clearance: 350 mm; wall clearance: 455 mm; interrupter button and shock absorber	8 3 0 - 5 B W 3 U D - - F 9 0
Floor/wall mount; holding force: 800 N; floor clearance: 350 mm; wall clearance: 455 mm; interrupter button and shock absorber	8 3 0 - 8 B W 3 U D - - F 9 0
Floor/wall mount; holding force: 1200 N; floor clearance: 350 mm; wall clearance: 455 mm; interrupter button and shock absorber	8 3 0 1 2 B W 3 U D - - F 9 0

Electric holding magnets

Round magnets

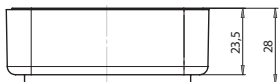
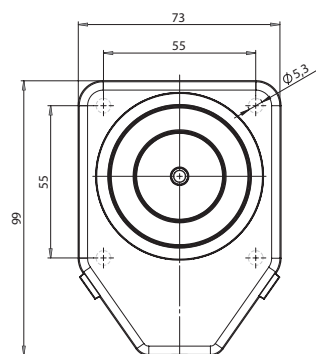


Magnet Model 830 A

Holding magnets with mounting plate and concealed connecting terminal

Technical attributes	
Supply voltage	24 V DC
Current consumption at 24 V	Holding force 300 N / 20 mA Holding force 500 N / 25 mA Holding force 800 N / 45 mA Holding force 1200 N / 105 mA
Operating temperature range	0 to +50 °C
Certified in compliance with	DIN EN 1155
Diameter	60 mm
Height	95 mm
Width	69 mm
Depth	28 mm
Continuous duty	100 % ED
Class of protection	IP 40

Article / Feature	Order no.
With mounting plate and concealed connecting terminal; holding force: 300 N	8 3 0 - 3 A - - - - - F 9 0
With mounting plate and concealed connecting terminal; holding force: 500 N	8 3 0 - 5 A - - - - - F 9 0
With mounting plate and concealed connecting terminal; holding force: 800 N	8 3 0 - 8 A - - - - - F 9 0
With mounting plate and concealed connecting terminal; holding force: 1200 N	8 3 0 1 2 A - - - - - F 9 0



Magnet Model 830 IS/U

Holding magnets in plastic housing for surface mounting, with optional interrupter push button

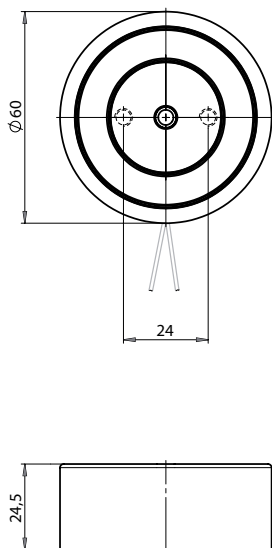
Technical attributes	
Supply voltage	24 V DC
Current consumption at 24 V	Holding force 300 N / 20 mA Holding force 500 N / 25 mA Holding force 800 N / 45 mA Holding force 1200 N/105 mA
Operating temperature range	0 to +50 °C
Certified in compliance with	DIN EN 1155
Height	99 mm
Width	73 mm
Depth	28 mm
Continuous duty	100 % ED
Class of protection	IP 40

Article / Feature	Order no.
In plastic housing, holding force: 300N	8 3 0 - 3 I S - - - - - F 9 0
In plastic housing, holding force: 500N	8 3 0 - 5 I S - - - - - F 9 0
In plastic housing, holding force: 800N	8 3 0 - 8 I S - - - - - F 9 0
In plastic housing, holding force: 1,200N	8 3 0 1 2 I S - - - - - F 9 0

In plastic housing with interrupter pushbutton, holding force 300N	8 3 0 - 3 I S U - - - - - F 9 0
In plastic housing with interrupter pushbutton, holding force 500N	8 3 0 - 5 I S U - - - - - F 9 0
In plastic housing with interrupter pushbutton, holding force 800N	8 3 0 - 8 I S U - - - - - F 9 0
In plastic housing with interrupter pushbutton, holding force: 1200N	8 3 0 1 2 I S U - - - - - F 9 0

Electric holding magnets

Round magnets

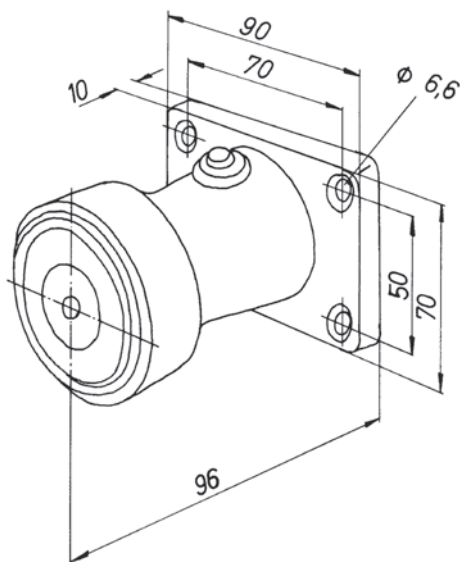


Magnet Model 830 C

Holding magnet with cable connection which can be wired to the side or back. Fastened at back with 2 x M5 for spacers or substructure provided by customer.

Technical attributes	
Supply voltage	24 V DC
Current consumption at 24 V	
Model 830-3:	Holding force 300 N / 20 mA
Model 830-5:	Holding force 500 N / 25 mA
Model 830-8:	Holding force 800 N / 45 mA;
Model 83012:	Holding force 1200 N/105 mA
Operating temperature range	0 to +50 °C
Certified in compliance with	DIN EN 1155
Diameter	60 mm
Depth	24 mm
Continuous duty	100 % ED
Class of protection	IP 40

Article / Feature	Order no.
Cable connection adjustable to the side or rear; holding force: 300 N	8 3 0 - 3 C - - - - - F 9 0
Cable connection adjustable to the side or rear; holding force: 500 N	8 3 0 - 5 C - - - - - F 9 0
Cable connection adjustable to the side or rear; holding force: 800 N	8 3 0 - 8 C - - - - - F 9 0
Cable connection adjustable to the side or rear; holding force: 1,200 N	8 3 0 1 2 C - - - - - F 9 0



Magnet Model 830 IGW/U

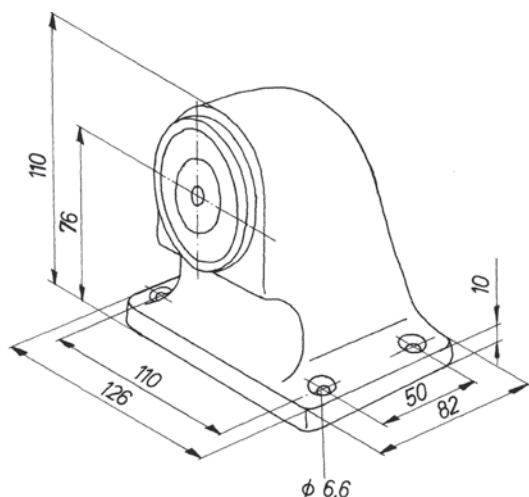
Holding magnet in aluminium housing for wall mount, with optional interrupter pushbutton

Technical attributes	
Supply voltage	24 V DC
Current consumption at 24 V	
Model 830-3:	Holding force 300 N / 20 mA
Model 830-5:	Holding force 500 N / 25 mA
Model 830-8:	Holding force 800 N / 45 mA
Model 83012:	Holding force 1200 N/105 mA
Operating temperature range	0 to +50 °C
Certified in compliance with	DIN EN 1155
Height	70 mm
Width	90 mm
Depth	96 mm
Continuous duty	100 % ED
Class of protection	IP 40

Article / Feature	Order no.
In aluminium housing for wall mount, holding force 300 N, 96 mm wall clearance	8 3 0 - 3 I G W - - - - F 9 0
In aluminium housing for wall mount, holding force 500 N, 96 mm wall clearance	8 3 0 - 5 I G W - - - - F 9 0
In aluminium housing for wall mount, holding force 800 N, 96 mm wall clearance	8 3 0 - 8 I G W - - - - F 9 0
In aluminium housing for wall mount, holding force 1200 N, 96 mm wall clearance	8 3 0 1 2 I G W - - - - F 9 0
In aluminium housing for wall mount with interrupter pushbutton, holding force 300 N, 96 mm wall clearance	8 3 0 - 3 I G W U - - - F 9 0
In aluminium housing for wall mount with interrupter pushbutton, holding force 500 N, 96 mm wall clearance	8 3 0 - 5 I G W U - - - F 9 0
In aluminium housing for wall mount with interrupter pushbutton, holding force 800 N, 96 mm wall clearance	8 3 0 - 8 I G W U - - - F 9 0
In aluminium housing for wall mount with interrupter pushbutton, holding force 1200 N, 96 mm wall clearance	8 3 0 1 2 I G W U - - - F 9 0

Electric holding magnets

Round magnets



Magnet Model 830 IGB/U

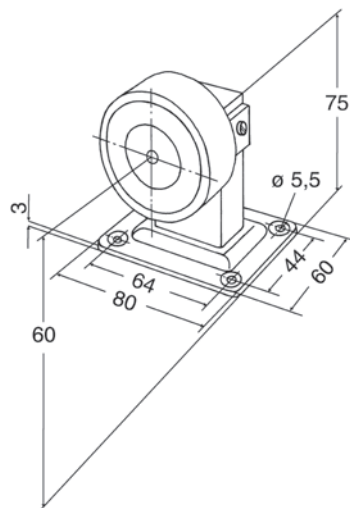
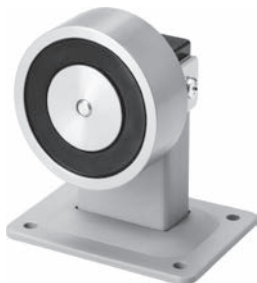
Holding magnet in aluminium housing for floor mount, with optional interrupter pushbutton

Technical attributes	
Supply voltage	24 V DC
Current consumption at 24 V	
Model 830-3:	Holding force 300 N / 20 mA
Model 830-5:	Holding force 500 N / 25 mA
Model 830-8:	Holding force 800 N / 45 mA
Model 83012:	Holding force 1200 N / 105 mA
Operating temperature range	0 to +50 °C
Certified in compliance with	DIN EN 1155
Height	110 mm
Width	126 mm
Depth	82 mm
Continuous duty	100 % ED
Class of protection	IP 40

Article / Feature	Order no.
In aluminium housing for installing in floor; holding force: 300 N; 76 mm floor clearance	8 3 0 - 3 I G B - - - F 9 0
In aluminium housing for installing in floor; holding force: 500 N; 76 mm floor clearance	8 3 0 - 5 I G B - - - F 9 0
In aluminium housing for installing in floor; holding force: 800 N; 76 mm floor clearance	8 3 0 - 8 I G B - - - F 9 0
In aluminium housing for installing in floor; holding force: 1200 N; 76 mm floor clearance	8 3 0 1 2 I G B - - - F 9 0
In aluminium housing for installing in floor; holding force: 300 N; 76 mm floor clearance; interrupter pushbutton	8 3 0 - 3 I G B U - - - F 9 0
In aluminium housing for installing in floor; holding force: 500 N; 76 mm floor clearance; interrupter pushbutton	8 3 0 - 5 I G B U - - - F 9 0
In aluminium housing for installing in floor; holding force: 800 N; 76 mm floor clearance; interrupter pushbutton	8 3 0 - 8 I G B U - - - F 9 0
In aluminium housing for installing in floor; holding force: 1200 N; 76 mm floor clearance; interrupter pushbutton	8 3 0 1 2 I G B U - - - F 9 0

Electric holding magnets

Round magnets



Magnet Model 830 BWK/U

Holding magnets with spacers. Convertible for wall or floor mount, with optional interrupter pushbutton

Technical attributes	
Supply voltage	24 V DC
Current consumption at 24 V	
Model 830-3:	Holding force 300 N / 20 mA
Model 830-5:	Holding force 500 N / 25 mA
Model 830-8:	Holding force 800 N / 45 mA
Model 83012:	Holding force 1200 N / 105 mA
Operating temperature range	0 to +50 °C
Certified in compliance with	DIN EN 1155
Continuous duty	100 % ED
Class of protection	IP 40
Wall spacing	98 mm
Floor spacing	60 mm

Article / Feature	Order no.
Floor/ wall mount; holding force: 300 N; floor clearance: 60 mm; wall clearance: 98 mm	8 3 0 - 3 B W K - - - F 9 0
Floor/ wall mount; holding force: 500 N; floor clearance: 60 mm; wall clearance: 98 mm	8 3 0 - 5 B W K - - - F 9 0
Floor/ wall mount; holding force: 800 N; floor clearance: 60 mm; wall clearance: 98 mm	8 3 0 - 8 B W K - - - F 9 0
Floor/ wall mount; holding force: 1200 N; floor clearance: 60 mm; wall clearance: 98 mm	8 3 0 1 2 B W K - - - F 9 0
Floor/ wall mount; holding force: 300 N; floor clearance: 60 mm; wall clearance: 98 mm. interrupter pushbutton	8 3 0 - 3 B W K U - - - F 9 0
Floor/ wall mount; holding force: 500 N; floor clearance: 60 mm; wall clearance: 98 mm. interrupter pushbutton	8 3 0 - 5 B W K U - - - F 9 0
Floor/ wall mount; holding force: 800 N; floor clearance: 60 mm; wall clearance: 98 mm. interrupter pushbutton	8 3 0 - 8 B W K U - - - F 9 0
Floor/ wall mount; holding force: 1200 N; floor clearance: 60 mm; wall clearance: 98 mm. interrupter pushbutton	8 3 0 1 2 B W K U - - - F 9 0

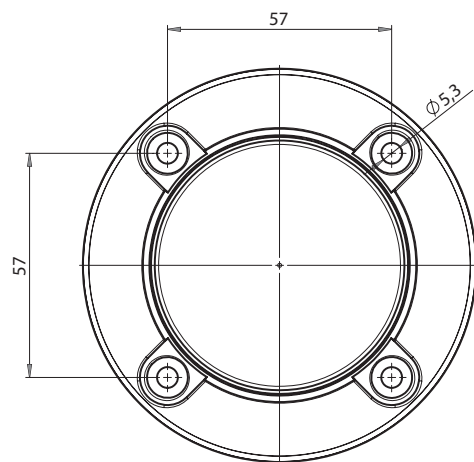
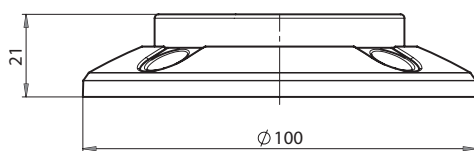
Electric holding magnets

Round magnets



Counter-holding plate 830-H1

Counter-holding plate, movable



Technical attributes

Height	21 mm
Diameter	100 mm

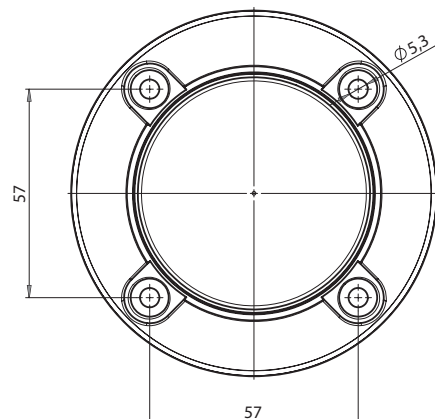
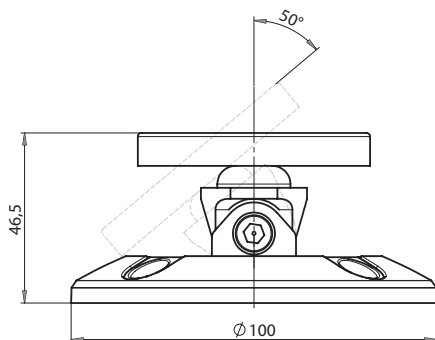
Article / Feature

Movable, 100 mm diameter	8 3 0 - - H 1 - - - - - 0 0
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Counter-holding plate 830-H2

Holder striking plate on mounting plate adjustable to extreme angle positions between door and holding magnet.



Technical attributes

Height	46.5 mm
Diameter	100 mm

Article / Feature

Counter-holding plate with mounting plate. Adjustable to extreme angle positions between door and holding magnet.

Order no.

8 3 0 - - H 2 - - - - - 0 0

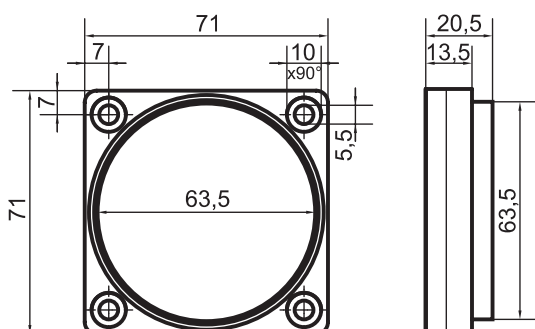
Electric holding magnets

Round magnets



Counter holding plate 838-2

Movable, dimensions 71 x 71



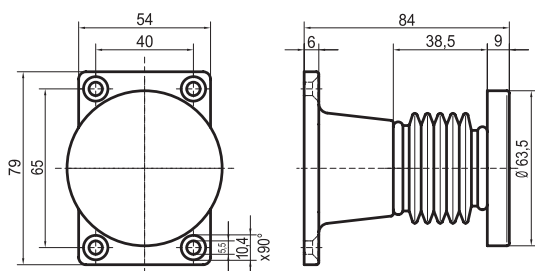
Technical attributes	
Height	21 mm
Length	71 mm
Width	71 mm

Article / Feature	Order no.
Movable, dimensions 71 x 71	8 3 8 - 2 - - - - - 0 0



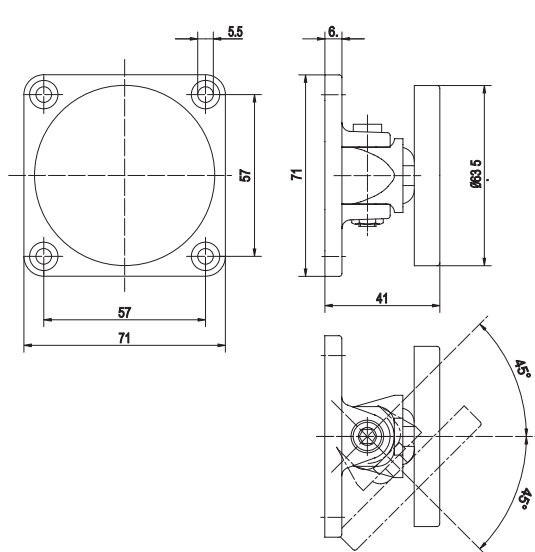
Counter holding plate 838-2P

On mounting casing with damping spring



Technical attributes	
Height	84 mm
Length	79 mm
Width	54 mm

Article / Feature	Order no.
On mounting casing with damping spring	8 3 8 - 2 P - - - - - 0 0



Counter holding plate 838-3

On mounting plate with adjustment for different angle positions

Technical attributes	
Height	41 mm
Length	71 mm
Width	71 mm

Article / Feature	Order no.
Counter-holding plate with mounting plate. Adjustable to extreme angle positions between door and holding magnet, dimensions 71 x 71	8 3 8 - 3 - - - - - 0 0

Goods return form

Please copy formular, complete and send back to ASSA ABLOY!

Customer-Nr.:

Address:

Company

Sector

Contact person

Date:

Telephone

E-mail

Street / Box no.

Post code / Town, city

ASSA ABLOY
Sicherheitstechnik GmbH

Bildstockstrasse 20
72458 Albstadt
GERMANY
Tel. +49 7431 123-700
export.effeff@assaabloy.com

We wish to make the following return of goods:

Invoice No. / Date	Order No.	Quantity	Remarks

Please note:

Goods may only be returned if they are new, packed originally and without any marks of usage and installation. They should be returned within 6 months of purchasing (date of dispatch).

Detailed statement: Yes

Reasons for return

To be filled in by the customer:

Reason for return

- Incorrect order
- Incorrect delivery
- Exchange
- Complaint
- Other

ASSA ABLOY offers the following options:

- Return with ____% deduction
- Re-order free of charge
- Replacement delivery
- We regret these goods cannot be returned
- Other

Date Signature Customer / name

Date Signatur ASSA ABLOY

Note:

Please ensure that this letter accompanies the returned goods.

The consignment will be returned carriage forward unless accompanied by a returns note with notice of prepayment. If you have any queries on matters in progress, please telephone +49 7431 123-700.

The ASSA ABLOY Group is the global leader in access solutions. Every day we help people feel safe, secure and experience a more open world.

ASSA ABLOY
Opening Solutions

ASSA ABLOY
Sicherheitstechnik GmbH
Bildstockstrasse 20
72458 Albstadt
GERMANY
Tel. +49 7431 123-700
export.effeff@assaabloy.com
www.assaabloy.com/de