

Intrusion - Fire
CSA Universal components

Safety and reliability
you can rely on



Powering Business Worldwide



Alimentiamo un mondo che chiede di più.

Scopri la Eaton di oggi.

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In qualità di gestore di energia a livello mondiale, aiutiamo i clienti in tutto il mondo a gestire l'energia necessaria negli edifici, aerei, camion, automobili, macchinari e aziende.

Le tecnologie innovative di Eaton permettono di gestire l'energia elettrica, idraulica e meccanica in modo più affidabile, efficiente, sicuro e sostenibile.



Powering Business Worldwide



Forniamo:

- **Soluzioni elettriche** che richiedono meno energia, migliorano l'affidabilità e rendono i posti in cui viviamo e lavoriamo più sicuri e più confortevoli
- **Soluzioni idrauliche ed elettriche** che consentono alle macchine di fornire una maggiore produttività senza sprechi di energia
- **Soluzioni aerospaziali** che rendono gli aerei più leggeri, più sicuri, con costi di esercizio più contenuti, e che aiutano gli aeroporti ad operare in modo più efficiente
- **Soluzioni per la trasmissione e la propulsione dei veicoli** che forniscono più energia alle automobili, camion e bus, riducendo il consumo di carburante e le emissioni

Forniamo soluzioni integrate che aiutano a rendere l'energia—in tutte le sue forme—più pratica ed accessibile.

Con un fatturato 2014 di 22.6 miliardi di dollari, Eaton impiega 100.000 dipendenti in tutto il mondo con vendite a clienti in più di 175 paesi.



L'attività di Eaton nel settore elettrico

Eaton è un leader internazionale con competenze in:

- Distribuzione dell'energia e protezione dei circuiti
- Energia di backup
- Soluzioni per aree pericolose ed esplosive
- Sicurezza e Illuminazione
- Dispositivi per cablaggio strutturato
- Controllo ed automazione
- Servizi di ingegneria

Eaton, grazie alle sue soluzioni globali, è posizionato per rispondere alle sfide più critiche nella gestione dell'energia elettrica. Con 100 anni di esperienza nel mercato elettrico, siamo eccitati dalla sfida di alimentare un mondo che richiederà sempre più energia rispetto ad oggi. Stiamo anticipando le esigenze future, sviluppando prodotti e creando soluzioni in grado di alimentare i nostri mercati oggi e in futuro.

Siamo impegnati nel garantire che un'alimentazione affidabile, efficiente e sicura sia disponibile quando più necessaria.

Eaton.com

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Intrusion - Fire

CSA Universal components

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Universal intrusion components

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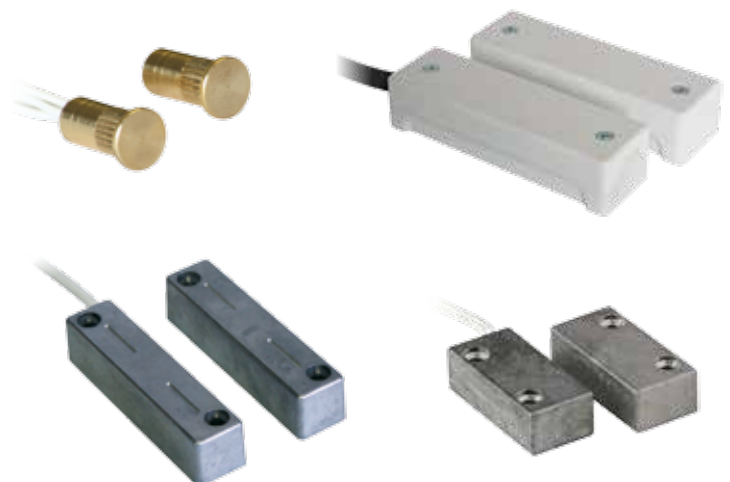
Universal fire components

2

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The widest range
of certified magnetic contacts
EN50131-2-6





EN50131-2-6 GR2 CL III

- Complies with EN50131-2-6
- Ultra-compact dimensions
- Flush-mounting
- Brass body
- Suitable for aluminium, wood and PVC doors and windows
- With anti-tampering wire loop

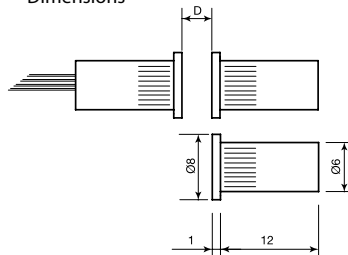
Series 314

Housing material	Natural brass
Operation	Reed contact with NC output with near magnet
Type of connection	Wires (2 for contact + 2 for anti-tampering)
Operating temperature	-25°C to +50°C
Protection rating	IP 65
Standard equipment	Anti-tampering wires

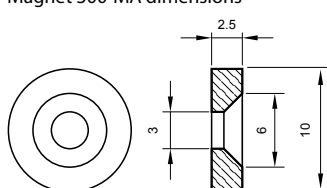
314-N



Dimensions



Magnet 300-MA dimensions



Order codes

Code	D max (no iron)	Connection type	Max voltage	Max current	Max power	N° wires	Cable length	Safety grade	Environmental class	Package weight
314-CSA	10 mm	NC*	24 V DC/AC	100 mA	1 W	4	0.3 m	2	III	0.08 Kg
314-N	10 mm	NC*	24 V DC/AC	100 mA	1 W	4	0.3 m	2	III	0.08 Kg

"Safety grade" and "Environmental Class" are two new classifications introduced by EN50131

D max: maximum installation distance. For other operating distances, see the instructions sheet at www.coopercsa.it

* With near magnet

Accessories

300-MA	Flat magnet
--------	-------------

Series 314

Brass flush-mounting micro contact

Brass magnetic contact with high mechanical resistance for flush mounting.

Although it is the smallest magnetic contact available, its operating distance is suitable for most applications, using rare earth magnets and miniature reeds.

Suitable to be mounted on aluminium, wood and PVC doors and windows, and in general, on all non-ferromagnetic materials (iron frames will significantly reduce operating distance). It is mounted with pressure on the frame into a 6 mm diameter hole.

The reed section contains a tightly sealed reed with polyurethane resin and anti-tampering loop to reduce any risk of intrusion. The item 314-N includes the flat magnet 300-MA. Connection uses 4 wires (2 wires for NC contact with near magnet and 2 wires for anti-tampering).

1.1

Micro contacts

Series 355



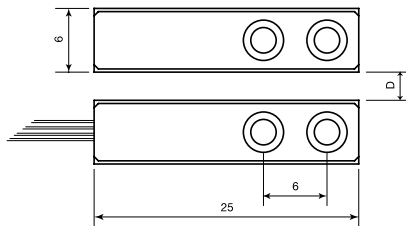
EN50131-2-6 GR2 CL III

- Complies with EN50131-2-6
- Small size
- Surface mounting
- Aluminium body
- Suitable for aluminium, wood and PVC doors and windows
- Also suitable for roller shutters
- Wire connection
- With anti-tampering wire loop

Series 355

Housing material	Aluminium
Operation	Reed contact with NC output with near magnet
Type of connection	Wires (2 for contact + 2 for anti-tampering)
Operating temperature	-25°C to +50°C
Protection rating	IP 65
Standard equipment	Anti-tampering wires

Dimensions



Order codes

Code	D max (no iron)	Connection type	Max voltage	Max current	Max power	N° wires	Cable length	Safety grade	Environmental class	Package weight
355-CSA	9 mm	NC*	24 V DC/V AC	100 mA	1 W	4	0.3 m	2	III	0.09 Kg

"Safety grade" and "Environmental Class" are two new classifications introduced by EN50131

D max: maximum installation distance. For other operating distances, see the instructions sheet at www.coopercsa.it

* With near magnet

Series 355

Aluminium surface-mounting micro contact

Aluminium magnetic contact with high mechanical resistance for surface mounting.

Despite compact size, its operating distance is suitable for most applications, using rare earth magnets and miniature reeds.

Suitable to be mounted on aluminium, wood and PVC doors and windows, and in general, on all non-ferromagnetic material (iron frames will significantly reduce operating distance).

It is mounted by means of screws on the frame; an alternative application is to mount the magnet section onto the roller shutter (that must be made of non-ferromagnetic material), so as to protect it from lifting.

The reed section contains a tightly sealed reed with polyurethane resin and anti-tampering loop to reduce any risk of intrusion.

Connection uses 4 wires (2 wires for NC contact with near magnet and 2 wires for anti-tampering).



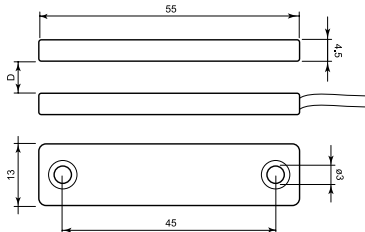
EN50131-2-6 GR2 CL III

- Complies with EN50131-2-6
- Concealed mounting
- Only 4,5 mm thick
- Suitable for Vasistas fixtures
- Available in white & brown
- Anti-tamper wire loop

Series 401

Housing material	Thermoplastic
Operation	Reed contact with NC output with near magnet
Type of connection	Wires (2 for contact + 2 for anti-tampering)
Operating temperature	-25°C to +50°C
Protection rating	IP 65
Standard equipment	Anti-tampering wires

Dimensions



Series 401

Concealed magnetic contact

The 401 concealed magnetic contact can be installed on aluminium frames, wood, PVC, iron, etc.

It is especially suitable for Vasistas fixtures, in fact the minimal thickness of the contact enables installation directly onto the chassis frame where a dept of just 4.5 mm is the norm. Once closed the fixture contact is concealed in the space between the frame and window.

The reed part contains the reed encapsulated watertight with the two-component polyurethane resin in conjunction with an anti-tampering loop to reduce the risk of burglary.

Connection uses 4 wires (2 wires for NC contact with near magnet and 2 wires for anti-tampering) It is fixed to the frame using screws.

Order codes

Code	D max (on iron)	D max (no iron)	Connection type	Max voltage	Max current	Max power	N° wires	Cable length	Colour	Safety grade	Environmental class	Package weight
401-TF	20 mm	20 mm	NC*	42.4 Vpeak - 60 V DC	1 A	10 W	4	1.2 m	White	2	III	0.5 Kg
401-TF-M	20 mm	20 mm	NC*	42.4 Vpeak - 60 V DC	1 A	10 W	4	1.2 m	Brown	2	III	0.5 Kg
401-TF- 3	20 mm	20 mm	NC*	42.4 Vpeak - 60 V DC	1 A	10 W	4	3.0 m	White	2	III	0.6 Kg
401-TF-M-3	20 mm	20 mm	NC*	42.4 Vpeak - 60 V DC	1 A	10 W	4	3.0 m	Brown	2	III	0.6 Kg

"Safety grade" and "Environmental Class" are two new classifications introduced by EN50131

D max: maximum installation distance. For other operating distances, see the instructions sheet at www.coopercsa.it

* With near magnet

1.3

Flush-mounting magnetic contacts

Series 414

1



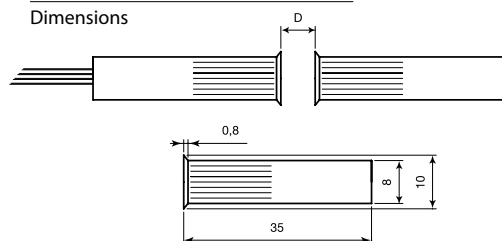
EN50131-2-6 GR2 CL III

- Complies with EN50131-2-6
- Flush-mounting
- Wide operating distance
- Suitable for aluminium, wood and PVC doors and windows
- Wire connection
- With anti-tampering wire loop

Series 414

Housing material	White galvanised brass
Operation	Reed contact with NC output with near magnet or changeover reed contact
Type of connection	Wires (2 for contact + 2 for anti-tampering)
Operating temperature	-25°C to +50°C
Protection rating	IP 65
Standard equipment	Anti-tampering wires

Dimensions



Order codes

Code	D max (no iron)	Connection type	Max voltage	Max current	Max power	N° wires	Cable length	Safety grade	Environmental class	Package weight	Notes
414-TF	15 mm	NC*	42.4 Vpeak - 60 V DC	1 A	10 W	4	0.3 m	2	III	0.19 Kg	
414-TF-2	15 mm	NC*	42.4 Vpeak - 60 V DC	1 A	10 W	4	2.0 m	2	III	0.58 Kg	sheathed cable

"Safety grade" and "Environmental Class" are two new classifications introduced by EN50131

D max: maximum installation distance. For other operating distances, see the instructions sheet at www.coopercsa.it

* With near magnet

Series 414

Brass cylindrical magnetic contact

Brass magnetic contact with high mechanical resistance for flush mounting on doors and windows. The body of the contact is galvanized for better aesthetic results and improved corrosion resistance.

Suitable to be mounted on aluminium, wood and PVC doors and windows, and in general, on all non-ferromagnetic material (iron frames will significantly reduce operating distance).

The wide operating distance allows installation on frames having large tolerances or clearances. It is mounted with pressure on the frame into an 8 mm diameter hole.

The reed section contains a tightly sealed reed with polyurethane resin and anti-tampering loop to reduce any risk of intrusion.

Available with cable length of 30cm and 2m.

Connection uses 4 wires.



EN50131-2-6 GR2 CL III

- Complies with EN50131-2-6
- Flush-mounting
- Compact dimensions for thin frames
- High mechanical resistance
- Suitable for aluminium, wood and PVC doors and windows
- With anti-tampering wire loop

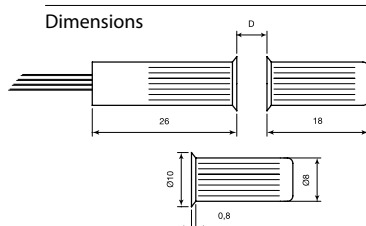
Series 414 C

Housing material	Natural brass
Operation	Reed contact with NC output with near magnet
Type of connection	Wires (2 for contact + 2 for anti-tampering)
Operating temperature	-25°C to +50°C
Protection rating	IP 65
Standard equipment	Anti-tampering wires

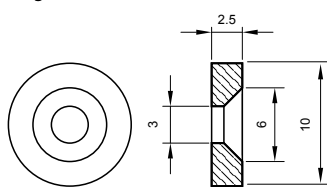
414-CTF-N



Dimensions



Magnet 300-MA dimensions



Order codes

Code	D max (no iron)	Connection type	Max voltage	Max current	Max power	N° wires	Cable length	Safety grade	Environmental class	Package weight	Notes
414-CTF	14 mm	NC*	42.4 Vpeak - 60 V DC	1 A	10 W	4	0.3 m	2	III	0.19 Kg	
414-CTF-2	14 mm	NC*	42.4 Vpeak - 60 V DC	1 A	10 W	4	2.0 m	2	III	0.58 Kg	sheathed cable
414-CTF-N	12 mm	NC*	42.4 Vpeak - 60 V DC	1 A	10 W	4	0.3 m	2	III	0.19 Kg	

"Safety grade" and "Environmental Class" are two new classifications introduced by EN50131

D max: maximum installation distance. For other operating distances, see the instructions sheet at www.coopersca.it

* With near magnet

Accessories

300-MA	Flat magnet
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Series 414 C

Brass cylindrical short magnetic contact

Brass magnetic contact with high mechanical resistance for flush mounting on doors and windows. Thanks to powerful rare earth magnets, magnets section is very short to be mounted onto thin-section frames.

Suitable to be mounted on aluminium, wood and PVC doors and windows, and in general, on all non-ferromagnetic material (iron frames will significantly reduce operating distance). It is mounted with pressure on the frame into an 8 mm diameter hole.

The reed section contains a tightly sealed reed with polyurethane resin and anti-tampering loop to reduce any risk of intrusion. The item 414 CTF-N is equipped with a fl at magnet 300-MA.

Connection uses 4 wires (2 wires for NC contact with near magnet and 2 wires for anti-tampering).



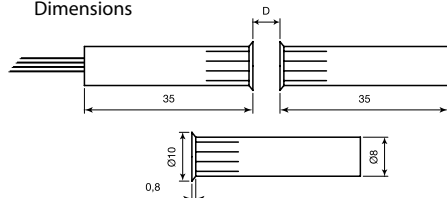
EN50131-2-6 GR2 CL III

- Complies with EN50131-2-6
- Flush-mounting
- Wide operating distance
- Suitable for aluminium, wood and PVC doors and windows
- With anti-tampering wire loop
- Colours - White and brown

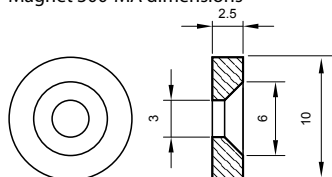
Series 415

Housing material	Thermoplastic in colours as per table
Operation	Reed contact with NC output with near magnet or changeover reed contact
Type of connection	Wires (2 for contact - 3 for changeover contact + 2 for anti-tampering)
Operating temperature	-10°C to +40°C
Protection rating	IP 65
Standard equipment	Anti-tampering wires

Dimensions



Magnet 300-MA dimensions



Order codes

Code	D max (no iron)	Connection type	Max voltage	Max current	Max power	N° wires	Cable length	Colour	Other certifications	Safety grade	Environmental class	Package weight	Notes
415-TF	15 mm	NC*	42.4 Vpeak - 60 V DC	1 A	10 W	4	0.3 m	white	Vds G191596 cLB	2	II	0.11 Kg	
415-TF-2	15 mm	NC*	42.4 Vpeak - 60 V DC	1 A	10 W	4	2.0 m	white	-	2	II	0.50 Kg	sheathed cable
415-TF-M	15 mm	NC*	42.4 Vpeak - 60 V DC	1 A	10 W	4	0.3 m	brown	-	2	II	0.11 Kg	
415-TF-2-M	15 mm	NC*	42.4 Vpeak - 60 V DC	1 A	10 W	4	2.0 m	brown	-	2	II	0.50 Kg	sheathed cable
415-TF-M-BE	15 mm	NC*	42.4 Vpeak - 60 V DC	1 A	10 W	4	0.3 m	brown	INCERT N°B-630-0001	2	II	0.11 Kg	
415-STF	9 mm	changeover	42.4 Vpeak - 60 V DC	300 mA	3 W	5	0.3 m	white	-	2	II	0.11 Kg	

"Safety grade" and "Environmental Class" are two new classifications introduced by EN50131

D max: maximum installation distance. For other operating distances, see the instructions sheet at www.coopersca.it

* With near magnet

Accessories

300-MA	Flat magnet
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Series 415

Thermoplastic cylindrical magnetic contact

Thermoplastic magnetic contact for flush mounting on doors and windows frames. Suitable to be mounted on aluminium, wood and PVC doors and windows, and in general, on all non-ferromagnetic material (iron frames will significantly reduce operating distance).

The wide operating distance allows installation on frames having large tolerances or clearances. It is mounted with pressure on the frame into an 8 mm diameter hole.

The reed section contains a tightly sealed reed with polyurethane resin and anti-tampering loop to reduce any risk of intrusion.

Available versions include NC contact, NC-NO (changeover) contact, and different cable lengths.

Connection uses 4 wires (2 wires for NC contact with near magnet and 2 wires for anti-tampering) or 5 wires (415-STF model) with changeover reed (3 wires for reed contacts + 2 wires for anti-tampering). Available in white and brown.



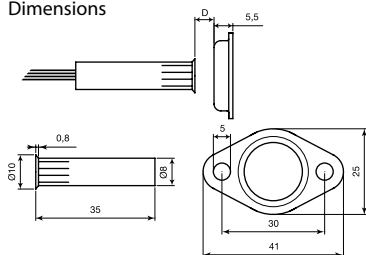
EN50131-2-6 GR2 CL II

- Complies with EN50131-2-6
- Flush mounting version of the reed
- Surface-mounting version of the magnet
- Wide operating distance
- Suitable for aluminium, wood and PVC doors and windows
- Wire connection
- With anti-tampering wire loop

Series 416

Reed housing material	Thermoplastic, white
Magnet housing material	Nickel-plated brass
Operation	Reed contact with NC output with near magnet
Type of connection	Wires (2 for contact + 2 for anti-tampering)
Operating temperature	-10°C to +40°C
Protection rating	IP 65
Standard equipment	Anti-tampering wires

Dimensions



Order codes

Code	D max (no iron)	Connection type	Max voltage	Max current	Max power	N° wires	Cable length	Safety grade	Environmental class	Package weight
416-TF	16 mm	NC*	42.4 V _{peak} - 60 V DC	1 A	10 W	4	0.3 m	2	II	0.13 Kg

"Safety grade" and "Environmental Class" are two new classifications introduced by EN50131

D max: maximum installation distance. For other operating distances, see the instructions sheet at www.coopercsa.it

* With near magnet

Series 416

Flush-mounting magnetic contact

Thermoplastic magnetic contact with flush-mounting reed section on the window frame. It is similar to series 415, with the only difference that the magnet section is surface-mounted on the wing.

Suitable to be mounted on aluminium, wood and PVC doors and windows, and in general, on all non-ferromagnetic material (iron frames will significantly reduce operating distance).

The wide operating distance allows installation on frames having large tolerances or clearances.

The reed section is mounted with pressure on the frame into an 8 mm diameter hole, while the magnet section is screwed.

The reed section contains a tightly sealed reed with polyurethane resin and anti-tampering loop to reduce any risk of intrusion. Available versions include NC contact, NC-NO (changeover) contact, and different cable lengths. Connection uses 4 wires (2 wires for NC contact with near magnet and 2 wires for anti-tampering).



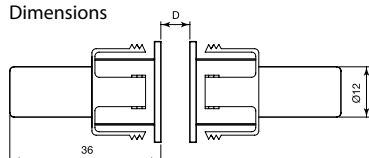
EN50131-2-6 GR2 CL II

- Complies with EN50131-2-6
- Flush-mounting
- Wide operating distance
- Suitable for doors and windows of any material
- Wire connection
- With anti-tampering wire loop

Series 423

Housing material	Thermoplastic, white
Spring material	Phosphor bronze
Operation	Reed contact with NC output with near magnet
Type of connection	Wires (2 for contact + 2 for anti-tampering)
Operating temperature	-10°C to +40°C
Protection rating	IP 65
Standard equipment	Anti-tampering wires

Dimensions



Order codes

Code	D max (no iron)	D max (on iron)	Connection type	Max voltage	Max current	Max power	N° wires	Cable length	Safety grade	Environmental class	Package weight	Notes
423-TF	23 mm	11 mm	NC*	42.4 V _{peak} - 60 V DC	1 A	10 W	4	1.2 m	2	II	0.12 Kg	sheathed cable

"Safety grade" and "Environmental Class" are two new classifications introduced by EN50131

D max: maximum installation distance. For other operating distances, see the instructions sheet at www.coopercsa.it

* With near magnet

Series 423

Magnetic contact for armoured doors

Thermoplastic magnetic contact for flush mounting on door and windows frames.

It is suitable for any kind of door/window, even of ferromagnetic material (iron). Thanks to a phosphor bronze spring, the contact stays away from the frame material, thus minimizing the reduction of the magnetic field caused by ferrous materials, while preserving a good operating distance.

Typical applications include: armoured doors, iron doors and gates. It is pressure mounted into a 22 mm diameter hole.

The reed section contains a tightly sealed reed with polyurethane resin and anti-tampering loop to reduce any risk of intrusion.



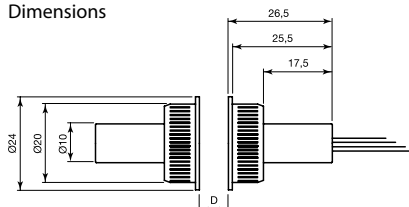
EN50131-2-6 GR3 CL III

- Complies with EN50131-2-6
- Flush-mounting
- Suitable for doors and windows of any material
- Wire connection
- With anti-tampering wire loop

Series 424

Housing material	Brass
Operation	Reed contact with NC output with near magnet
Type of connection	Wires (2 for contact, 2 for anti-tamper) for TF models
Operating temperature	-25°C to +50°C
Protection rating	IP 65
Standard equipment	Anti-tampering wires

Dimensions



Order codes

Code	D max (no iron)	D max (on iron)	Connection type	Max voltage	Max current	Max power	N° wires	Cable length	Safety grade	Environmental class	Package weight
424-TF	20 mm	12 mm	NC*	42.4 Vpeak - 60 V DC	1 A	10 W	4	1.2 m	3	III	0.18 Kg

"Safety grade" and "Environmental Class" are two new classifications introduced by EN50131

D max: maximum installation distance. For other operating distances, see the instructions sheet at www.coopercsa.it

* With near magnet

Series 424

Magnetic contact for armoured doors

Brass magnetic contact for flush mounting into window frame. It is suitable for any kind of door/window, even ferromagnetic material (iron).

Thanks to a special knurling, the contact sticks perfectly where necessary. Typical applications include: armoured doors, iron doors and gates.

It is pressure mounted into a 20 mm diameter hole.

The reed section contains a tightly sealed reed with epoxy resin and an anti-tampering loop to reduce any risk of intrusion.

Wired connection.

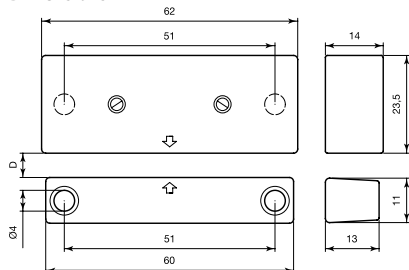


- Surface mounting
- Suitable for doors and windows of any material
- Terminal connection
- Protection against cover opening and removal from the wall

Series 400

Housing material	Thermoplastic in colours as per table
Operation	Reed contact with NC output with near magnet
Type of connection	Terminals (2 for contact + 2 for anti-tampering)
Operating temperature	-10°C to +60°C
Protection rating	IP 40
Standard equipment	Double-sided tape, anti-tampering

Dimensions



Order codes

Code	D max (no iron)	D max (on iron)	Connection type	Max voltage	Max current	Max power	Colour	Approvals	Package weight
400-FR	26 mm	17 mm	NC*	48 V	1 A	10 W	white	NF A2P TYPE 3	0.31 Kg

D max: maximum installation distance. For other operating distances, see the instructions sheet at www.coopercsa.it

* With near magnet

Series 400

Thermoplastic magnetic contact with terminals

Thermoplastic magnetic contact for surface mounting.

It is suitable for door/window frames of any material: aluminium, wood, PVC, iron etc.

It is protected against removal from the wall and cover opening. Simple installation thanks to terminal connection (clamping screws) and application by means of screws or double-sided tape.



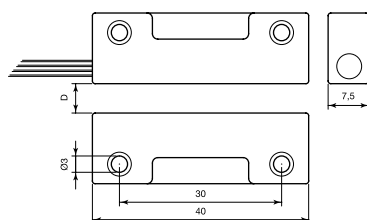
EN50131-2-6 GR2 CL III

- Complies with EN50131-2-6
- Surface mounting
- Suitable for aluminium, wood and PVC doors and windows
- Wire connection
- With anti-tampering wire loop
- Good quality/price level

Series 403

Housing material	Thermoplastic, white
Operation	Reed contact with NC output with near magnet or changeover reed contact
Type of connection	Wires (2 for contact - 3 for changeover contact + 2 for anti-tampering)
Operating temperature	-25°C to +50°C
Protection rating	IP 65
Standard equipment	Anti-tampering wires

Dimensions



Order codes

Code	D max (no iron)	Connection type	Max voltage	Max current	Max power	N° wires	Cable length	Safety grade	Environmental class	Package weight	Notes
403-TF	15 mm	NC*	42.4 V _{peak} - 60 V DC	1 A	10 W	4	0.3 m	2	III	0.14 Kg	
403-TF-4	15 mm	NC*	42.4 V _{peak} - 60 V DC	1 A	10 W	4	4.0 m	2	III	0.92 Kg	sheathed cable
403-STF	9 mm	changeover	42.4 V _{peak} - 60 V DC	300 mA	3 W	5	0.3 m	2	III	0.15 Kg	

"Safety grade" and "Environmental Class" are two new classifications introduced by EN50131

D max: maximum installation distance. For other operating distances, see the instructions sheet at www.coopercsa.it

* With near magnet

Series 403

Thermoplastic magnetic contact

Thermoplastic magnetic contact for surface mounting with good quality/price ratio.

Suitable to be mounted on aluminium, wood and PVC doors and windows, and in general, on all non-ferromagnetic material (iron frames will significantly reduce operating distance).

The reed section contains a tightly sealed reed with polyurethane resin and anti-tampering loop to reduce any risk of intrusion.

Connection uses 4 wires (2 wires for NC contact with near magnet and 2 wires for anti-tampering) or 5 wires with changeover reed (3 wires for reed bulb contacts + 2 wires for anti-tampering). It is fixed to the frame using screws.

1.4

Surface-mounting magnetic contacts

Series 403 AP

1



EN50131-2-6 GR2 CL III

- Complies with EN50131-2-6
- Surface mounting
- High mechanical resistance
- Suitable for doors and windows of any material
- Wire connection
- With anti-tampering wire loop

Series 403 AP

Housing material	Metal alloy
Operation	Reed contact with NC output with near magnet
Type of connection	Wires (2 for contact + 2 for anti-tampering)
Operating temperature	-25°C to +50°C
Protection rating	IP 65
Standard equipment	Anti-tampering wires

Series 403 AP

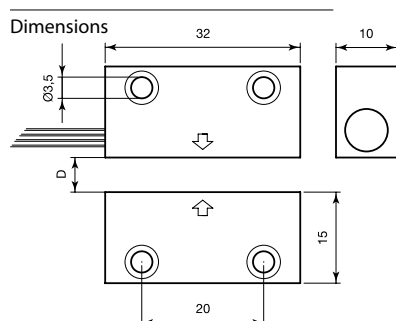
Compact metal magnetic contact

Metal magnetic contact for surface mounting with high mechanical resistance.

It is suitable for door/window frames of any material: aluminium, wood, PVC, iron etc.

The reed section contains a tightly sealed reed with polyurethane resin and anti-tampering loop to reduce any risk of intrusion.

Connection uses 4 wires (2 wires for NC contact with near magnet and 2 wires for anti-tampering). It is fixed to the frame using screws.



Order codes

Code	D max (no iron)	D max (on iron)	Connection type	Max voltage	Max current	Max power	N° wires	Cable length	Colour	Safety grade	Environmental class	Package weight
403-AP	18 mm	6 mm	NC*	42.4 Vpeak - 60 V DC	1 A	10 W	4	1.2 m	Aluminium	2	III	0.28 Kg
403-AP-M	18 mm	6 mm	NC*	42.4 Vpeak - 60 V DC	1 A	10 W	4	1.2 m	brown	2	III	0.28 Kg

"Safety grade" and "Environmental Class" are two new classifications introduced by EN50131

D max: maximum installation distance. For other operating distances, see the instructions sheet at www.coopercsa.it

* With near magnet



EN50131-2-6 GR2 CL III

- Complies with EN50131-2-6
- Surface mounting
- High mechanical resistance
- Wide operating distance
- Suitable for doors and windows of any material
- Wire connection
- With anti-tampering wire loop

Series 403 AG

Housing material	Metal alloy, aluminium colour
Operation	Reed contact with NC output with near magnet
Type of connection	Wires (2 for contact + 2 for anti-tampering)
Operating temperature	-25°C to +50°C
Protection rating	IP 65
Standard equipment	Anti-tampering wires

Series 403 AG

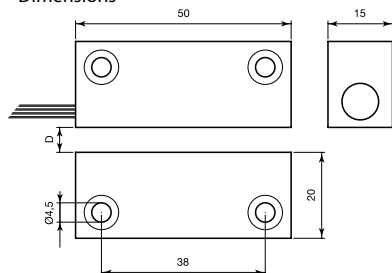
Metallic magnetic contact

Metal magnetic contact for surface mounting with high mechanical resistance.

It is suitable to be mounted on door/window frames of any material: aluminium, wood, PVC, iron etc., even with large tolerance or play thanks to the long operating distance.

The reed section contains a tightly sealed reed with polyurethane resin and anti-tampering loop to reduce any risk of intrusion. Connection uses 4 wires (2 wires for NC contact with near magnet and 2 wires for anti-tampering). It is fixed to the frame using screws.

Dimensions



Order codes

Code	D max (no iron)	D max (on iron)	Connection type	Max voltage	Max current	Max power	N° wires	Cable length	Safety grade	Environmental class	Package weight	Notes
403-AG	22 mm	10 mm	NC*	42.4 Vpeak - 60 V DC	1 A	10 W	4	1.2 m	2	III	0.55 Kg	sheathed cable

"Safety grade" and "Environmental Class" are two new classifications introduced by EN50131

D max: maximum installation distance. For other operating distances, see the instructions sheet at www.coopercsa.it

* With near magnet

1.4

Surface-mounting magnetic contacts

Series 405



EN50131-2-6 GR1 CL II

- Complies with EN50131-2-6
- Surface mounting
- Suitable for doors and windows of any material
- Terminal connection
- Available in white and brown

Series 405

Thermoplastic magnetic contact

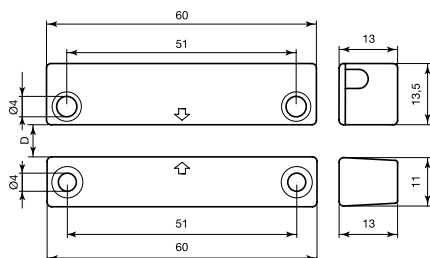
Thermoplastic magnetic contact for surface mounting. It is suitable for door/window frames of any material: aluminium, wood, PVC, iron etc.

Clamp connections, available in white and brown

Series 415

Housing material	Thermoplastic in colours as per table
Operation	Reed contact with NC output with near magnet
Type of connection	Terminals
Operating temperature	-10°C to +40°C
Protection rating	IP 40

Dimensions



Order codes

Code	D max (no iron)	D max (on iron)	Connection type	Max voltage	Max current	Max power	N° wires	Cable length	Colour	Safety grade	Environmental class	Package weight	Notes
405-M	15 mm	11 mm	NC*	42.4 Vpeak - 60 V DC	1 A	10 W	2 terminals	-	white	1	II	0.19 Kg	
405-M-M	15 mm	11 mm	NC*	42.4 Vpeak - 60 V DC	1 A	10 W	2 terminals	-	brown	1	II	0.19 Kg	

"Safety grade" and "Environmental Class" are two new classifications introduced by EN50131

D max: maximum installation distance. For other operating distances, see the instructions sheet at www.coopercsa.it

* With near magnet



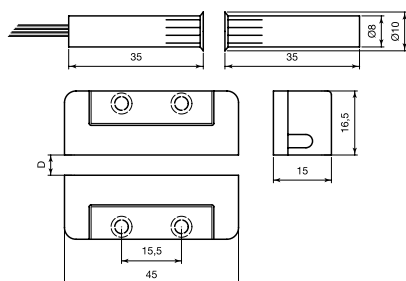
EN50131-2-6 GR2 CL III

- Complies with EN50131-2-6
- Exceptional versatility: flush or surface mounting
- Suitable for aluminium, wood and PVC doors and windows
- Wire connection
- With anti-tampering wire loop

Series 410

Housing material	Thermoplastic in colours as per table
Operation	Reed contact with NC output with near magnet
Type of connection	Sheathed wires (2 for contact + 2 for tamper)
Operating temperature	-25°C to +50°C
Protection rating	IP 65
Standard equipment	Shims, anti-tampering wires

Dimensions



Order codes

Code	D max (no iron)	Connection type	Max voltage	Max current	Max power	N° wires	Cable length	Colour	Other certifications	Safety grade	Environmental class	Package weight
410-TF	15 mm	NC*	42.4 V _{peak} - 60 V DC	1 A	10 W	4	2.0 m	white	Vds G191588 Cl.B	1/2**	III	0.59 Kg
410-TF-4	15 mm	NC*	42.4 V _{peak} - 60 V DC	1 A	10 W	4	4.0 m	white	-	1/2**	III	1.00 Kg
410-TF-M	15 mm	NC*	42.4 V _{peak} - 60 V DC	1 A	10 W	4	2.0 m	brown	-	1/2**	III	0.59 Kg
410-FR	15 mm	NC*	48 V	1 A	10 W	4	2.0 m	white	NF A2P TYPE 3	-	-	0.59 Kg

Safety grade and *Environmental Class* are two new classifications introduced by EN50131

D max: maximum installation distance. For other operating distances, see the instructions sheet at www.coopercsa.it

* With near magnet

** Grade 2 in flush mounting version. Grade 1 in surface mounting version

Series 410

Flush or surface-mounting magnetic contact

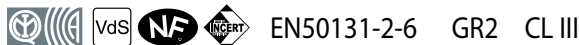
Thermoplastic magnetic contact for flush or surface mounting. Maximum installation versatility (ideal for ready-to-use antitheft kits).

It can be flush mounted by inserting the cylindrical bodies into 8 mm diameter holes, or surface-mounted using the supplied adapters with hidden screws.

Suitable to be mounted on aluminium, wood and PVC doors and windows, and in general, on all non-ferromagnetic material (iron frames will significantly reduce operating distance).

The reed section contains a tightly sealed reed with polyurethane resin and anti-tampering loop to reduce any risk of intrusion.

Connection uses 4 wires (2 wires for NC contact with near magnet and 2 wires for anti-tampering).



- Complies with EN50131-2-6
- Floor mounting
- Die-cast aluminium housing
- Wire connection
- With anti-tampering wire loop
- Steel sheath

Series 450

Housing material	Die-cast aluminium
Operation	Reed contact with NC output with near magnet
Type of connection	Wires (2 for contact + 2 for anti-tampering)
Operating temperature	-25°C to +50°C
Protection rating	IP 65
Standard equipment	Protective 10 mm diameter cable sheath, 1 metre long in steel with black PVC coating; anti-tampering wires

Dimensions

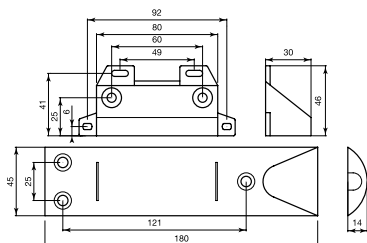
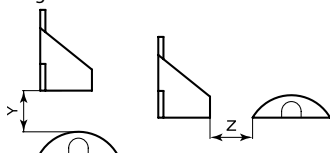


Diagram of Y and Z distances



Order codes

Code	Y max/Z max (no iron)	Y max (on iron)	Max voltage	Max current	Max power	N° wires	Cable length	Other certifications	Safety grade	Environmental class	Package weight
450-CSA	50/52 mm	28 mm	42.4 Vpeak - 60 V DC	1 A	10 W	4	1.2 m	Vds G191589 CLB	2	III	0.24 Kg
450-FR	35/25 mm	20 mm	42.4 Vpeak - 60 V DC	1 A	10 W	4	1.2 m	NF A2P TYPE 3	-	-	0.19 Kg
450-TF-2	50/52 mm	28 mm	42.4 Vpeak - 60 V DC	1 A	10 W	4	2.0 m	-	2	III	
450-TFC-2	13-18/16 mm	16 mm	48 V	300 mA	3 W	4	2.0 m	Vds G198067 CLC	-	-	0.19 Kg

"Safety grade" and "Environmental Class" are two new classifications introduced by EN50131

Y max: maximum vertical installation distance; Z max: maximum horizontal installation distance (see diagram below).

For other operating distances, see the instructions sheet at www.coopercsa.it

Accessories

AG-10	Black PVC-coated steel sheath - 10 m
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Series 450

Magnetic contact for garage doors

Aluminium magnetic contact for garage or sliding/folding doors. The strong housing construction of die-cast aluminium ensures maximum resistance to the wheels of heavy vehicles, fork-lift trucks etc., making it suitable for heavy-duty applications.

The reed part is fixed to the ground with three screws, while the magnet is mounted on the door (6 mounting holes available).

The long operating distances also work perfectly where there is a large gap between doors. The reed section contains a tightly sealed reed with polyurethane resin and anti-tampering loop to reduce any risk of intrusion.

Connection uses 4 wires (2 wires for NC contact with near magnet and 2 wires for anti-tampering), protected by a steel sheath, and covered by black PVC.

Contact 450-TFC-2 is magnetically balanced to reduce the risk of intrusion by means of an external magnet.



EN50131-2-6 GR2 CL IV

- Complies with EN50131-2-6
- Floor mounting
- Die-cast aluminium housing
- Long operation distance
- With anti-tampering wire loop
- Steel sheath

Series 450 N

Housing material	Die-cast aluminium
Operation	Reed contact with NC output with near magnet
Type of connection	Wires (2 for contact + 2 for anti-tampering)
Operating temperature	-25°C to +60°C
Protection rating	IP 65
Standard equipment	Anti-tampering caps, 10 mm diameter protective cable sheath, length 1.2 m, in steel with black PVC coating, anti-tampering wires

Dimensions

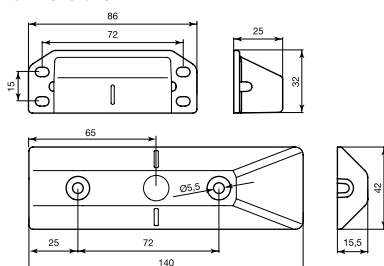
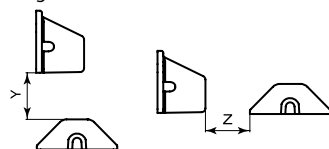


Diagram of Y and Z distances



Order codes

Code	Y max/Z max (no iron)	Y max/Z max (on iron)	Connection type	Max voltage	Max current	Max power	N° wires	Cable length	Safety grade	Environmental class	Package weight
450-N	40/28 mm	32/25 mm	NC*	42.4 Vpeak - 60 V DC	1 A	10 W	4	1.2 m	2	IV	0.34 Kg

"Safety grade" and "Environmental Class" are two new classifications introduced by EN50131

Y max: maximum vertical installation distance; Z max: maximum horizontal installation distance (see diagram below).

For other operating distances, see the instructions sheet at www.coopercsa.it

* With near magnet

Accessories

AG-10	Black PVC-coated steel sheath - 10 m
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Series 450 N

Magnetic contact for garage doors

Aluminium magnetic contact for garage or sliding/folding doors. It is a new version of contact series 450 with the following enhancements: new look, longer operating distances, reed part mounting with only two screws that can be protected by special metal caps, possibility of cable entrance from the ground, magnet part with smaller vertical hole distance for simpler mounting on the door

The strong housing construction of die-cast aluminium ensures maximum resistance to the wheels of heavy vehicles, fork-lift trucks etc., making it suitable for heavy-duty applications. The long operating distances also work perfectly where there is a large gap between doors.

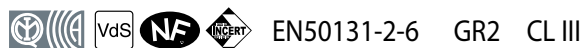
The reed section contains a tightly sealed reed with polyurethane resin and anti-tampering loop to reduce any risk of intrusion. Connection uses 4 wires (2 wires for NC contact with near magnet and 2 wires for anti-tampering), protected by a steel sheath, and covered by black PVC.

1.4

Surface-mounting magnetic contacts

Series 460

1



- Complies with EN50131-2-6
- Surface mounting
- Die-cast aluminium housing
- Long operation distance
- Suitable for doors and windows of any material

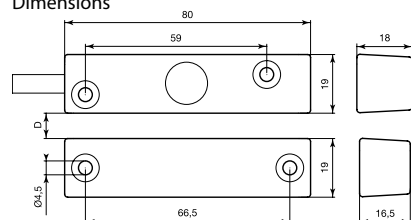
Series 460

Housing material	Die-cast aluminium
Operation	Reed contact with NC output with near magnet or changeover reed contact
Type of connection	Wires or terminals (2 for contact - 3 for changeover contact + 2 for anti-tampering)
Operating temperature	-25°C to +50°C (Mod. 462-M -10°C - +40°C)
Protection rating	IP 34 IP 65 (only for version with wire connection)
Standard equipment	Tamper-proof caps, cable gland, anti-tampering wires, plastic spacer (not for models 462)

462-M



Dimensions



Order codes

Code	D max (no iron)	D max (on iron)	Connection type	Max voltage	Max current	Max power	N° wires	Cable length	Other certifications	Safety grade	Environmental class	Package weight
460-CSA	21 mm	14 mm	NC*	42.4 Vpeak - 60 V DC	1 A	10 W	4	1.2 m	Vds G191590 Cl.B	2	III	0.30 Kg
460-FR	21 mm	14 mm	NC*	42.4 Vpeak - 60 V DC	1 A	10 W	4	1.2 m	NF A2P TYPE 3	-	-	0.30 Kg
460-S	15 mm	10 mm	change-over	42.4 Vpeak - 60 V DC	300 mA	3 W	5	1.2 m	-	2	III	0.30 Kg
460-TF-2	21 mm	14 mm	NC*	42.4 Vpeak - 60 V DC	1 A	10 W	4	2.0 m	-	2	III	0.35 Kg
462-M	20 mm	15 mm	NC*	42.4 Vpeak - 60 V DC	1 A	10 W	4 terminals	-	-	2	II	0.25 Kg
462-SM	14 mm	10 mm	changeover	100 V DC	300 mA	3 W	5 terminals	-	-	-	-	0.25 Kg

"Safety grade" and "Environmental Class" are two new classifications introduced by EN50131

D max: maximum installation distance. For other operating distances, see the instructions sheet at www.coopercsa.it

* With near magnet

Accessories

461-CSA	Plastic spacer for 460 – 462 series
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Series 460

Aluminium power magnetic contact

Aluminium magnetic contact for surface mounting.

Thanks to its solid die-cast aluminium structure, it is suitable for applications in factories, shopping malls, etc.

Its long operating distance allows the use on frames of any material and with large play. Available with wire and terminal connection (462 models).

The wire connected version has a reed section that contains a tightly sealed reed bulb with polyurethane resin and an anti-tampering loop to reduce any risk of intrusion. The terminal connected version is provided with protection against "pull" and a printed circuit board that can house balancing resistors. Arranged to be protected with a 10 mm diameter PVC coated steel cable sheath (not included).



EN50131-2-6 GR2 CL IV

- Complies with EN50131-2-6
- Wall mounting
- Die-cast aluminium housing
- Long operation distance
- Suitable for doors and windows of any material
- Simplified installation

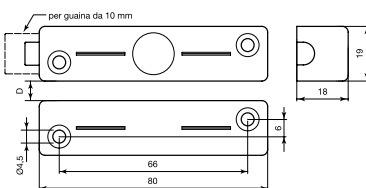
Series 460 N

Housing material	Die-cast aluminium
Operation	Reed contact with NC output with near magnet or changeover reed contact
Type of connection	Wires or terminals (2 for contact - 3 for changeover contact + 2 for anti-tampering)
Operating temperature	Mod.460-N and 460-NS: -25°C to +60°C Mod.462-N and 462-NS: -25°C to +50°C
Protection rating	IP 34 IP 65 (only for version with wire connection)
Standard equipment	Tamper-proof caps, cable gland, anti-tampering wires

462-N



Dimensions



Order codes

Code	D max (no iron)	D max (on iron)	Connection type	Max voltage	Max current	Max power	N° wires	Cable length	Safety grade	Environmental class	Package weight
460-N	20 mm	15 mm	NC*	42.4 Vpeak - 60 V DC	1 A	10 W	4	1.2 m	2	IV	0.30 Kg
460-NS	15 mm	10 mm	changeover	42.4 Vpeak - 60 V DC	300 mA	3 W	5	1.2 m	2	IV	0.30 Kg
462-N	30 mm	25 mm	NC*	42.4 Vpeak - 60 V DC	1 A	10 W	4 terminals	-	2	III	0.25 Kg
462-NS	15 mm	10 mm	changeover	42.4 Vpeak - 60 V DC	300 mA	3 W	5 terminals	-	2	III	0.25 Kg

"Safety grade" and "Environmental Class" are two new classifications introduced by EN50131

D max: maximum installation distance For other operating distances, see the instructions sheet at www.coopersca.it

* With near magnet

Accessories

460-NDIST	Plastic spacer for 460 N eries
AG-10	Black PVC-coated steel sheath - 10 m

Series 460 N

Aluminium magnetic contact for surface mounting.

It is the new version of contact series 460, with the following enhancements: renewed aesthetics, fixing symmetry, extremely simplified installation for the version with terminal connection thanks to the circuit's snap mounting. Thanks to its solid die-cast aluminium structure, it is suitable for applications in factories, shopping malls, etc.

Its long operating distance allows the use on frames of any material and with large play.

Available with wire and terminal connection.

The version with wire connection has a reed section that contains a tightly sealed reed with polyurethane resin and an anti-tampering loop to reduce any risk of intrusion.

The version with terminal connection is provided with protection against "pull" and a printed circuit board that can house eventual balancing resistors. Arranged to be protected with a Ø 10 mm PVC coated steel cable sheath (not included).

1.4

Surface-mounting magnetic contacts

Series 1005

1



EN50131-2-6 GR2 CL II

- Complies with EN50131-2-6
- Surface mounting
- Very long operating distance
- Indoor use
- Suitable for doors and windows of any material
- Wire connection
- With anti-tampering wire loop

Series 1005

Housing material	Anodized aluminium
Operation	Reed contact with NC output with near magnet
Type of connection	Wires or terminals (2 for contact + 2 for anti-tampering)
Operating temperature	-10°C to +40°C
Protection rating	IP 40
Standard equipment	Tamper-proof caps, 10 mm diameter protective cable sheath 1.7 m length, steel with black PVC coating; anti-tampering wires

Series 1005

Long-distance magnetic contact

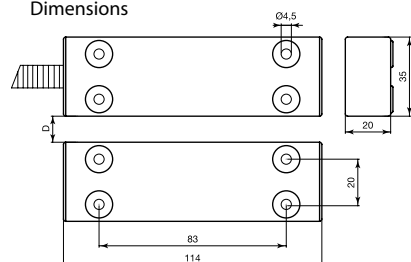
Aluminium magnetic contact for surface mounting.

It derives from the High-Security series 1000, featuring the same look, but it was developed to have a very long operating distance for all those applications where the frames have large play and tolerances, and therefore a normal magnetic contact could cause false alarms.

It can be applied to frames of any material, also iron.

The connection is with anti-tampering wire loop and cable sheathing of plasticized steel.

Dimensions



Order codes

Code	D max (no iron)	D max (on iron)	Connection type	Max voltage	Max current	Max power	N° wires	Cable length	Safety grade	Environmental class	Package weight
1005-CSA	55 mm	30 mm	NC*	42.4 Vpeak - 60 V DC	1 A	10 W	4	2.0 m	2	II	0.56 Kg

"Safety grade" and "Environmental Class" are two new classifications introduced by EN50131

D max: maximum installation distance. For other operating distances, see the instructions sheet at www.coopercsa.it

* With near magnet

Accessories

AG-10	Black PVC-coated steel sheath - 10 m
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EN50131-2-6 GR2 CL IV

- Complies with EN50131-2-6
- Indoor or outdoor use
- Small size
- Suitable for doors and windows of any material
- Protection against any type of intrusion
- Very long operating distance

Series 1005 N

Housing material	Die-cast metal, white epoxy painting
Operation	Reed contact with NC output with near magnet
Type of connection	By terminals (1.5 sq mm)
Operating temperature	-25°C to +60°C
Protection rating	IP 65

Series 1005 N

Long-distance magnetic contact IP 65

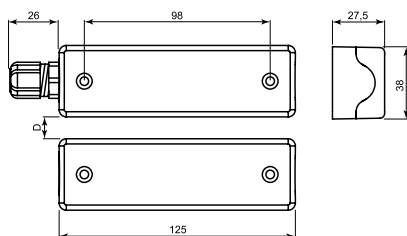
Aluminium magnetic contact for surface mounting.

It derives from series 1000-N High Security, and is suitable for any surface installation.

IP 65 protection rating with good looks and long operating distance.

The terminal block connection makes installation easier avoiding the addition of junction boxes and the cap with its "umbrella" design makes tampering difficult.

Dimensions



Order codes

Code	D max (no iron)	D max (on iron)	Connection type	Max voltage	Max current	Max power	Safety grade	Environmental class	Package weight
1005-N	62 mm	38 mm	NC*	42.4 V _{peak} - 60 V DC	1 A	10 W	2	IV	0.65 Kg

"Safety grade" and "Environmental Class" are two new classifications introduced by EN50131

D max: maximum installation distance. For other operating distances, see the instructions sheet at www.coopersca.it

* With near magnet

Accessories

AG-10	Black PVC-coated steel sheath - 10 m
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EN50131-2-6 GR2 CL III

- Complies with EN50131-2-6
- Surface mounting
- Very long operation distance
- High electric power
- Suitable for doors and windows of any material
- Terminal connection
- Protection against cover opening

Series 1105

Housing material	Die-cast aluminium, white epoxy painting
Operation	Reed contact with NC output with near magnet
Type of connection	Terminal (2 for contact + 2 for anti-tampering)
Operating temperature	-25°C to +50°C
Protection rating	IP 65
Standard equipment	Tamper-proof caps, IP 65 cable gland

Dimensions



Order codes

Code	D max (no iron)	D max (on iron)	Connection type	Max voltage	Max current	Max power	N° terminals	Safety grade	Environmental class	Package weight
1105-CSA	55 mm	35 mm	NC*	42.4 V _{peak} - 60 V DC	3 A	100 W	4	2	III	0.87 Kg

"Safety grade" and "Environmental Class" are two new classifications introduced by EN50131

D max: maximum installation distance. For other operating distances, see the instructions sheet at www.coopercsa.it

* With near magnet

Accessories

AG-10	Black PVC-coated steel sheath - 10 m
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Series 1105

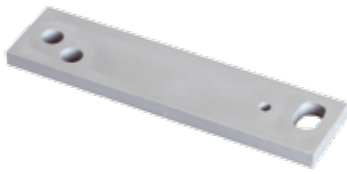
High power magnetic contact

Aluminium magnetic contact for surface mounting.

It derives from the High-Security series 1100, featuring the same look, but it was developed to have a very long operating distance for all those applications where the frames have large play and tolerances, and therefore a normal magnetic contact could cause false alarms.

It can be applied to frames of any material, also iron. Thanks to the high IP degree, it can be installed in any indoor and outdoor environment.

Reed bulbs are high-power devices and also the version with changeover reed bulb is available. Protected against cover opening through an internal micro switch. 3/8 gas cable entrance hole (cable gland included) and terminal connection.



461-CSA

Pcs./package: 10

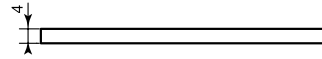
Weight: 0.06 Kg

Applicability: Series 460

Spacer for 460 series

It is mounted under the reed of series 460 so as to be aligned with the corresponding magnetic part
Made of grey thermoplastic material

Dimensions



AG-10

Pcs./package: 1

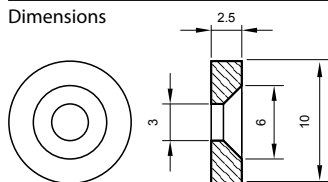
Weight: 1.0 Kg

Applicability: Series 450 - 450 N - 460 - 460 N - 1000 - 1005 - 1105

Black PVC-coated steel sheath

Mechanically protects cables against both accidental impact and cutting External diameter 10 mm, length 10 m
Suitable for cables with a diameter up to 5 mm
It can be cut-to-size with a hacksaw

Dimensions



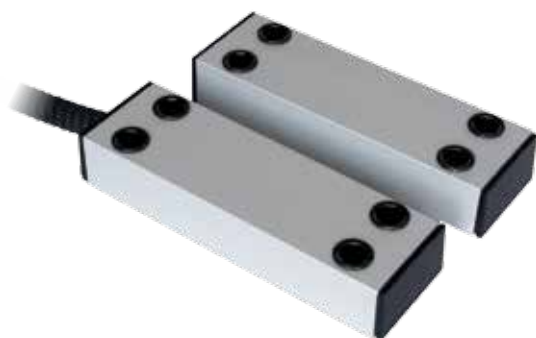
300-MA

Pcs./package: 10

Applicability: Series 314, 414 C, 415

Neodymium magnet

High power, very compact neodymium magnet

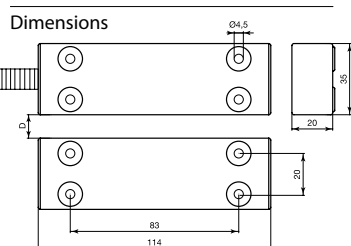
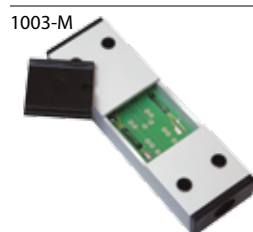


EN50131-2-6 GR3 CL II

- Complies with EN50131-2-6
- Indoor surface mounting
- Annealed aluminium housing
- Suitable for doors and windows of any material
- Wire connection
- Protected against differing types of intrusion

Series 1000

Housing material	Anodized aluminium
Operation	Reed contact with NC output with near magnet
Type of connection	Wires (except 1003 M)
Operating temperature	-10°C to +40°C
Protection rating	IP 40
Standard equipment	Tamper-proof caps, 10 mm diameter protective cable sheath length - 1.7 m - made of steel with black PVC coating; anti-tampering wires, mounting templates



Order codes

Code	D max (no iron)	D max (on iron)	Max voltage	Max current	Max power	N° wires	Cable length	Safety grade	Environmental class	Package weight	Notes
1001-CSA	15 mm	11 mm	42.4 Vpeak - 60 V DC	300 mA	3 W	4	2.0 m	3	II	0.55 Kg	triple balancing
1003-CSA	21 mm	15 mm	42.4 Vpeak - 60 V DC	300 mA	3 W	4	2.0 m	2	II	0.52 Kg	double balancing
1003-M	21 mm	15 mm	42.4 Vpeak - 60 V DC	300 mA	3 W	-	-	1	I	0.50 Kg	double balancing, with opening, no cable
1021-CSA	15 mm	11 mm	42.4 Vpeak - 60 V DC	300 mA	3 W	4+4	2.0 m	3	II	0.79 Kg	triple balancing with "pull" protection for reed and magnet

"Safety grade" and "Environmental Class" are two new classifications introduced by EN50131

D max: maximum installation distance; as the contacts are balanced, the minimum installation distance must be complied with as specified in the instruction sheet. For other operating distances, see the instructions sheet at www.coopercsa.it

Accessories

AG-10	Black PVC-coated steel sheath - 10 m
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Series 1000

Indoor high-security magnetic contact

High security standard magnetic contact for indoor surface mounting. Series 1000, in an elegant anodized aluminium case, is standard equipment for security systems in banks, shopping malls and all those facilities that require most security in external protection. Comes fitted with protection against attempted magnetic, electrical or mechanical intrusion.

The double or triple balancing magnetic circuits, where all different reeds interlace to the magnetic fields generated by magnet batteries, are unbalanced by the application of an external magnet, triggering the alarm as a consequence. Wire protection is provided by an anti-tampering loop and a plasticised steel sheath.

The 1021-CSA version offers maximum security with micro switch protection against "pull" and anti-tampering loop for the reed section and the magnet (4 wires on the magnet). Version 1003-M is provided with a window and related cover to directly access the circuit board on which the operator can mount one or more resistors, in series or parallel to the contact. All versions are equipped with iron anti-tamper caps.



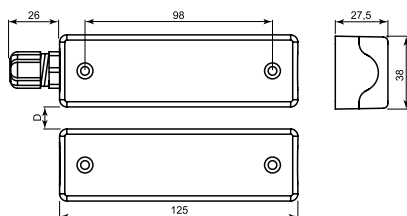
EN50131-2-6 GR3 CL IV

- Complies with EN50131-2-6
- Indoor or outdoor use
- Small size
- Suitable for doors and windows of any material
- Terminal connection
- Protected against differing types of intrusion

Series 1000 N

Housing material	Die-cast metal, white epoxy painting
Operation	Reed contact with NC output with near magnet
Type of connection	By terminals (1.5 sq mm)
Operating temperature	-25°C to +60°C
Protection rating	IP 65

Dimensions



Series 1000 N

High-security magnetic contact IP 65

High security standard magnetic contact for indoor and outdoor surface mounting.

The nice and sober design of the metallic case links installation practicality and robustness. Series 1000 N is suitable for security system in banks (many models are IMQ I or II level certified), in shopping centres and public offices; the internal magnetic circuits are designed to provide double and triple balancing to offer protection against any type of attempted intrusion (mechanical, electrical or magnetic).

All models don't need any junction box considering the internal terminal connections.

Each model has tamper protection against cap opening. The fixing nut housing into container is arranged to accept cable or 16mm tube gland and cable up of to 10mm diameter (an M16 cable gland comes supplied as standard).

Version 1021-N offers maximum security with micro switch "pull" protection for reed and magnet and triple balancing to ensure maximum security.

Order codes

Code	D max (no iron)	D max (on iron)	Max voltage	Max current	Max power	Safety grade	Environmental class	Package weight	Notes
1001-N	14 mm	9 mm	42.4 Vpeak - 60 V DC	300 mA	3 W	3	IV	0.65 Kg	triple balancing
1021-N	14 mm	9 mm	42.4 Vpeak - 60 V DC	300 mA	3 W	3	IV	0.65 Kg	triple balancing with "pull" protection for reed and magnet
1031-N	14 mm	9 mm	42.4 Vpeak - 60 V DC	300 mA	3 W	3	IV	0.65 Kg	like 1021 N but with link for remote test
1003-N	27 mm	20 mm	42.4 Vpeak - 60 V DC	300 mA	3 W	2	IV	0.65 Kg	double balancing

"Safety grade" and "Environmental Class" are two new classifications introduced by EN50131

D max: maximum installation distance; as the contacts are balanced, the minimum installation distance must be complied with as specified in the instruction sheet. For other operating distances, see the instructions sheet at www.coopercsa.it

Accessories

AG-10	Black PVC-coated steel sheath - 10 m
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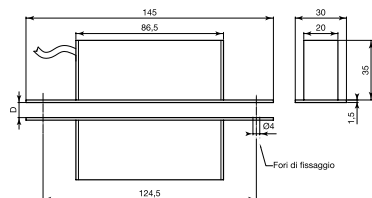
EN50131-2-6 GR3 CL II

- Complies with EN50131-2-6
- Indoor flush mounting
- Suitable for doors and windows of any material
- Wire connection
- Protected against differing types of intrusion

Series 1050

Housing material	Anodized aluminium
Plate material	Nickel-plated brass
Operation	Reed contact with NC output with near magnet
Type of connection	Wires
Operating temperature	-10°C to +40°C
Protection rating	IP 40

Dimensions



Order codes

Code	D max (no iron)	D max (on iron)	Max voltage	Max current	Max power	N° wires	Cable length	Safety grade	Environmental class	Package weight	Notes
1051-CSA	10 mm	7 mm	42.4 Vpeak - 60 V DC	300 mA	3 W	4	1.2 m	3	II	0.42 Kg	triple balancing

"Safety grade" and "Environmental Class" are two new classifications introduced by EN50131

D max: maximum installation distance; as the contacts are balanced, the minimum installation distance must be complied with as specified in the instruction sheet. For other operating distances, see the instructions sheet at www.coopercsa.it

Series 1050

Flush-mounting high-security magnetic contact

Magnetic contact for indoor flush mounting with high security level.

The double or triple balancing magnetic circuits, where all different reeds interlace to the magnetic fields generated by magnet batteries, are unbalanced by the application of an external magnet, triggering the alarm as a consequence.

Wire protection is provided by an anti-tampering loop.

This is screwed to the frame in a suitably sized, cut out recess.



EN50131-2-6 GR3 CL III

- Complies with EN50131-2-6
- Outdoor surface mounting
- Suitable for doors and windows of any material
- Terminal connection
- Protected against differing types of intrusion

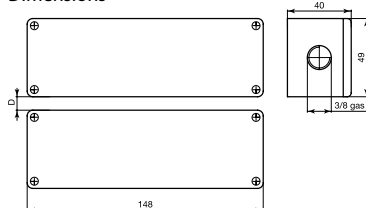
Series 1100

Housing material	Die-cast aluminium, white epoxy painting
Operation	Reed contact with NC output with near magnet
Type of connection	Terminals
Operating temperature	-25°C to +50°C
Protection rating	IP 65
Standard equipment	IP 65 cable gland, mounting templates

1121-CSA



Dimensions



Order codes

Code	D max (no iron)	D max (on iron)	Max voltage	Max current	Max power	Safety grade	Environmental class	Package weight	Notes
1101-CSA	14 mm	9 mm	42.4 Vpeak - 60 V DC	1 A	10 W	3	III	0.85 Kg	interlaced flow
1103-CSA	28 mm	19 mm	42.4 Vpeak - 60 V DC	500 mA	30 W	2	III	0.80 Kg	double balancing
1107-CSA	14 mm	9 mm	42.4 Vpeak - 60 V DC	1 A	10 W	-	-	0.88 Kg	interlaced flow with inertia and thermal sensor
1121-CSA	14 mm	9 mm	42.4 Vpeak - 60 V DC	1 A	10 W	3	III	0.90 Kg	concatenate flow with protection against opening and "pull" on reed and magnet, remote testing

"Safety grade" and "Environmental Class" are two new classifications introduced by EN50131

D max: maximum installation distance; as the contacts are balanced, the minimum installation distance must be complied with as specified in the instruction sheet. For other operating distances, see the instructions sheet at www.coopercsa.it

Accessories

AG-10	Black PVC-coated steel sheath - 10 m
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Series 1100

High-security magnetic contact IP 65

Magnetic contact for indoor or outdoor surface mounting with high security level.

Made of solid cast-die aluminium with epoxy white painting and fitted with protection against attempted magnetic, electrical or mechanical intrusion. The double-balancing or interlaced-flow magnetic circuits, where all different reed bulbs interlace to the magnetic fields generated by magnet batteries, are unbalanced by the application of an external magnet, triggering the alarm as a consequence. All contacts are protected against cap opening on the reed part.

The high-security 1121-CSA version also features "pull" protection for the reed and opening and "pull" protection for the magnet and comes with a link for remote testing.

The 1103-CSA version has high-power contact reed bulbs, while the 1107-CSA offers additional protection thanks to an incorporated thermal sensor set at 60° C (to detect attempted intrusion using a blowtorch) and an inertia sensor (which must be interfaced with the analysis card 448-CSA). Simplified installation thanks to the 3/8 gas cable entrance hole (cable-gland included) and the terminal connection.

1.6

Inertia and vibration sensors

444



- Surface mounting
- Impact detection
- Gold-plated contacts
- Wire connection
- With anti-tampering wire loop

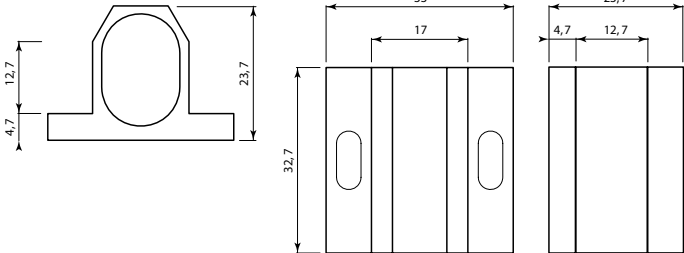
444

Housing material	Thermoplastic, white
Operation	Multiple gold-plated contacts with NC output
Type of connection	Wires (2 for contact + 2 for anti-tampering)
Operating temperature	-25°C to +55°C
Protection rating	IP 54

Analysis card for inertia or vibration sensors - 448-CSA
Power supply 10-15 V AC - power consumption 2 mA, 30 mA with relay open
Dual adjustment field for cut-in sensitivity
Input for balanced line at 2200 Ohm - Dimensions: 80x40 mm



Dimensions



Order codes

Code	Connection type	Max voltage	Max current	Max power	N° wires	Cable length	Package weight
444-CSA	NC	100 V DC	100 mA	3 W	4	2.0 m	0.40 Kg

However the product must be used within the very low voltage limits (max. voltage 74 V DC - 49V AC).

Accessories

448-CSA	Analysis card for inertia sensors
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444

Inertia sensor for impact detection.

Incorporates gold-plated contacts which, in case of impact against the mounting surface, open the contact (NC in normal conditions) for a time proportional to the force of the impact.

Normally used on doors, windows and wherever impact detection is necessary. Must be interfaced by shielded cable with an analysis board such as 448, which features adjustable sensitivity and can be connected to several sensors in series.

4-wire connection, 2 for contact and 2 for the anti-tampering loop with shielded cable. Fixed in position screws or double-sided tape.

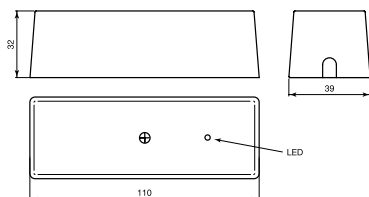


- Indoor surface mounting
- Impact detection
- Gold-plated contacts
- Protection against cover opening
- Integrated analysis card
- Microprocessor technology

Series 446

Housing material	Thermoplastic, white
Sensor material	Multiple gold-plated contacts
Type of connection	Terminals
Operating temperature	-25°C to +70°C
Protection rating	IP 30

Dimensions



Series 446

Inertia sensor in self-protected housing

Inertia sensor for impact detection in self-protected housing. It incorporates gold-plated contacts which, in case of any perpendicular impact onto the mounting surface, open the contact (NC in normal conditions) for a time proportional to the impact strength.

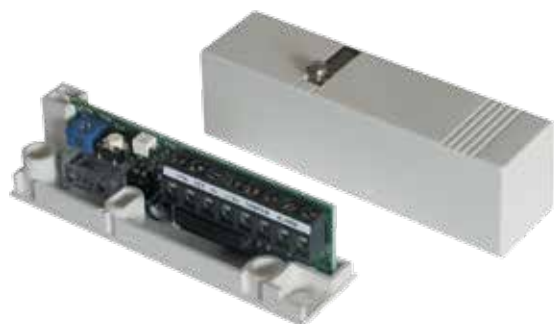
It is normally used on doors, windows and wherever it is necessary to detect impact.

The series 446 is provided in two versions: the 446-AN is provided with incorporated analysis card with a trimmer for the sensitivity adjustment for the inertia sensor, selectable NC-NO relay output and LED memory. Version 446-AVR is on the other hand suitable for connection with radio transmitters and features a low power consumption, open-collector output.

Both versions are supplied with terminal connection and micro switch protection against cover opening included.

Order codes

Code	Connection type	Nominal voltage	Nominal current	Max relay current	Pc./package.	Package weight
446-AN	NC/NA	10-15 V DC	4-24 mA	1 A	1	0.11 Kg
446-AVR	Open Collector	2.5-5 V DC	16-400 µA	-	1	0.11 Kg



- Version with magnetic contact available
- Colours - white or brown
- Double knock feature
- Terminal connection
- Tamper protection
- Sensitivity control
- LED memory
- IP 65 model available

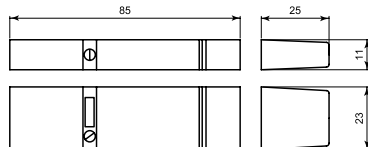
Series 447

Housing material	Thermoplastic, available in white or brown. IP 65 version in die-cast metal, white epoxy painting
Operation	Shock sensor with relay output NC. In the contact version there is reed switch connected in series with shock sensor to signal also door opening. To be installed on strong-box and window.
Type of connection	By terminals (2 for switch output – 2 for anti-tampering – 2 for power supply – 1 for remote control – 1 for First to Alarm bus)
Operating temperature	-10°C to +50°C
Protection rating	IP 40 (IP 65 version 447-IP65)
Standard equipment	Fixing screws. IP 65 version cable-gland

447-IP65



Dimensions



Order codes

Code	Connection type	Max voltage	Max current	N° terminals	Colour	Magnetic contact	Protection rating	Package weight
447-B	NC	9.5 - 15 V DC	8 mA	8	white	no	IP 40	0.07 Kg
447-C	NC	9.5 - 15 V DC	8 mA	8	white	yes	IP 40	0.08 Kg
447-M	NC	9.5 - 15 V DC	8 mA	8	brown	no	IP 40	0.07 Kg
447-CM	NC	9.5 - 15 V DC	8 mA	8	brown	yes	IP 40	0.08 Kg
447-IP65	NC	9.5 - 15 V DC	8 mA	8	white	no	IP 65	0.35 Kg

Series 447

Piezoelectric sensor for the detection of vibrations and impacts

The sensors 447 have been designed using advanced CMOS technology, to offer a product that will out perform immunity to false alarm.

The very robust design with no moving parts is non-gravity dependent therefore allowing installation in any position over a flat surface.

All models offer a latching LED indication that can be remotely reset of left illuminated to act as deterrent. Sensitivity is controlled by a variable potentiometer coupled with a Dual Sensitivity link – so offering fine adjustment possibilities.

Available in white or brown with or without magnetic contact, also available in white outdoor installation model IP 65.



- Outdoor surface mounting
- Impact detection
- Gold-plated contacts
- Terminal connection
- Protection against cover opening
- Version with integrated analysis card

Series 1447

Housing material	Anodized aluminium, white epoxy painting
Operation	NC output contact (1447)
Type of connection	Terminals
Operating temperature	-25°C to +55°C
Protection rating	IP 65
Standard equipment	Hole cap



Series 1447

IP 65 aluminium inertia sensor

Inertia sensor for impact detection designed for outdoor installation.

Incorporates gold-plated contacts which, in case of impact against the mounting surface, open the contact (NC in normal conditions) for a time proportional to the force of the impact. It is normally used on doors, windows and wherever it is necessary to detect impact, also outdoors or in indoor environments laden with moisture or dust.

Version 1447-CSA must be interfaced by shielded cable to an analysis board, such as 448-CSA, which features adjustable sensitivity and can be connected to several sensors in series. Version 1447-A is provided with integrated analysis card with a trimmer for double sensitivity adjustment for the inertia sensor, selectable NC-NO relay output.

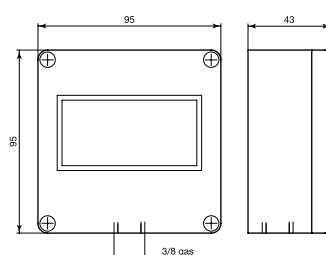
Terminal connection and 3/8 gas cable entry.
Micro switch protection against cover opening.

Available, bracket for installation on wire mesh.

1447-A



Dimensions



Order codes

Code	Connection type	Voltage	Current	Max power	Package weight	Notes
1447-CSA	NC	100 V DC max	100 mA max	3 W	0.44 Kg	Needs analysis card 448-CSA
1447-A	NC	10-15 V DC	2-30 mA	1A max Relay	0.46 Kg	

The product must be used within the very low voltage limits (max. 74 V DC - 49V AC).

Accessories

448-CSA	Analysis card for inertia sensors
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1.6

Inertia and vibration sensors

2152

1



VdS

- Outdoor surface mounting
- Detection of typical glass crashing frequencies
- With LED memory

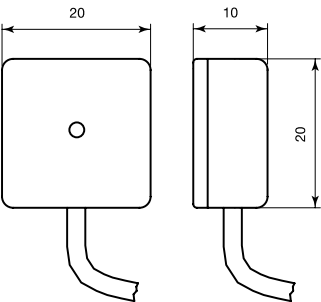
2152

Housing material	Thermoplastic, white
Operation	NO output
Type of connection	Wires (2+2 cores)
Operating temperature	-10°C to +70°C

Analysis card for inertia or vibration sensors - 448-CSA
Power supply 10-15 V AC - power consumption 2 mA, 30 mA with relay open
Dual adjustment field for cut-in sensitivity
Input for balanced line at 2200 Ohm - Dimensions: 80x40 mm



Dimensions



Order codes

Code	Connection type	Supply voltage	Power consumption	N° wires	Wire length	Approvals	Package weight
2152-CSA	NA	3÷16 V DC	8 mA*	2+2	2.0 m	Vds n. G196614B	0.08 Kg

* In alarm; 1µA at rest.

Accessories

448-CSA	Analysis card for inertia sensors
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2152

Piezoelectric detector with memory

Piezoelectric sensor able of detecting the typical frequency of glass breaking, while remaining insensitive to impact or other vibration.

It is provided with dual connection (2+2 wires) to shunt the connections for other sensors. The contact is normally open (NO) and closes when the glass breaking frequency is detected.

It must be interfaced to an analysis board, such as 448-CSA, which features relay output and controls the sensor with balanced line. Each analysis card can be connected to several sensors in parallel. LED alarm memory.

It is applied to the glass with a specific adhesive (two-component iron-glass glue is recommended, such as Loctite 317 with 736NF activator). Operating range: 2 m approx. Not suitable for bullet-proof and toughened glass.



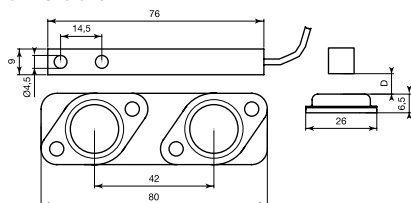
EN50131-2-6 GR2 CL IV

- Complies with EN50131-2-6
- Small size
- Suitable for doors and windows of any material
- Wire connection
- With anti-tampering wire loop

455

Housing material	Nickel-plated brass
Plate material	Nickel-plated iron and brass
Operation	Reed contact with NC output with near magnet
Type of connection	Wires (2 for contact + 2 for anti-tampering)
Operating temperature	-25°C to +60°C
Protection rating	IP 65

Dimensions



Order codes

Code	D max (no iron)	D max (on iron)	Connection type	Max voltage	Max current	Max power	N° wires	Cable length	Safety grade	Environmental class	Package weight
455-CSA	30 mm	20 mm	NC*	42.4 Vpeak - 60 V DC	1 A	10 W	4	1.2 m	2	4	0.20 Kg

"Safety grade" and "Environmental Class" are two new classifications introduced by EN50131

D max: maximum installation distance. For other operating distances, see the instructions sheet at www.coopercsa.it

* With near magnet

455

Magnetic contact for roller shutters

Low-thickness magnetic contact.

Suitable for installation on frames of any material: aluminium, wood, PVC, iron, etc. The low thickness of the magnet part makes it particularly suitable for application onto roller shutters or gates.

The reed section contains a tightly sealed reed with polyurethane resin and anti-tampering loop to reduce any risk of intrusion.

Connection uses 4 wires (2 wires for NC contact with near magnet and 2 wires for anti-tampering). It is fixed to the frame using screws.

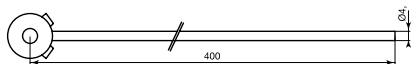
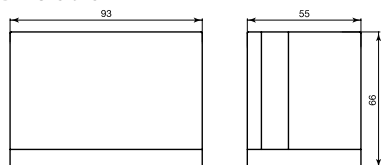


- Installation in the roller shutter box
- With reed contact
- Insensitive to moisture and dust
- Wire connection

470

Housing material	Thermoplastic, black
Rod material	Aluminium
Operation	Reed contact with NC output with lowered roller shutter
Type of connection	Wires (2 per contact)
Operating temperature	-25°C to +55°C
Protection rating	Indoor use

Dimensions



Order codes

Code	Connection type	Max voltage	Max current	Max power	N° wires	Cable length	Rod length	Package weight
470-CSA	NC*	200 V DC	1 A	10 W	2	0.2 m	0.4 m	1.2 Kg

* With lowered roller shutter.

The indicated maximum voltage data refer to the reed bulbs inside the contacts.

However the product must be used within the very low voltage limits (max. voltage 74 V DC - 49V AC).

Accessories

A470	Burnished steel rod for 470
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470

Rod contact for roller shutters

Rod contact to detect the lifting of roller shutters or gates.

It is mounted inside the box, pushing the rod against the roller shaft. When the roller shutter is lifted, the roll thickness increases, so that the rod rotates around a cam that actuates a reed button, triggering the alarm.

Thanks to the reed button, the system is highly reliable also in humid and dusty environments.

Cost-effective installation is ensured by the fact that no contact analysis card is required.

Connection uses 2 wires (NC contact with lowered roller shutter).

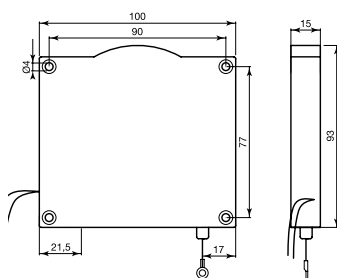


- Installation in the roller shutter box
- Detection of all movements of the roller shutter
- Wire connection
- Requires analysis card 471-A

471

Housing material	Thermoplastic, white
Operation	Micro-switch contact with NC output
Type of connection	Wires
Operating temperature	-25°C to +70°C

Dimensions



Order codes

Code	Connection type	Max voltage	Max current	Max power	N° wires	Cable length	Rope length	Package weight
471-CSA	NC*	75 V DC	3 A	100 W	2	0.2 m	3.1 m	0.26 Kg

* With roller shutter stopped.

Accessories

471-A	Analysis card for rope contacts
474-CSA	Extension slide for rope contacts

471

Rod contact for roller shutters

Rope contact to protect roller shutters and gates against tear-off, cutting and lifting. It is mounted inside the box, and it is completely invisible.

The rope is hooked to the roller shutter and transmits motion to an internal cam that drives an NC micro-switch. It is necessary to interface the contact to an analysis card, code 471-A, with a relay output, with which it is possible to program the number of pulses for the alarm generation, avoiding false alarms caused, for instance, by the shutters' slow sliding.

It is possible to connect several sensors to the same analysis card. The contact must be installed next to the shutter edge of the box. In order to enhance installation, an extension slide, code 474-CSA, is available.

The contact is fixed to the roller shutter box through screws or tape (not included).

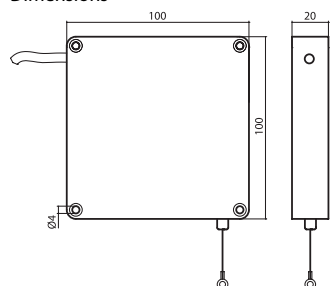


- Installation in the roller shutter box
- Detection of movements of the roller shutter
- Integrated analysis card
- Utmost reliability thanks to reed contacts
- Wire connection
- Radio line version

Series 473

Housing material	Thermoplastic, white
Type of connection	Wires (6 coloured wires for 473-N, 4 coloured wires for 473-CN)
Operating temperature	-25°C to +70°C
Protection rating	IP32

Dimensions



Order codes

Code	Output	Nominal voltage	Stand-by current	Alarm current	Output activation time	Cable length	Package weight
473-N	NC/NO relay	10.5 - 13.8 V DC	3mA min - 30mA max	14mA min - 20mA max	2.0s	0.3m	0.85 Kg
473-CM	CMOS (open collector)	2.5 - 5.5 V DC	1 µA @3.6V	100 µA @3.6V	2.5s	1.5m	0.90 Kg

Accessories

474-CSA	Extension slide for rope contacts
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Series 473

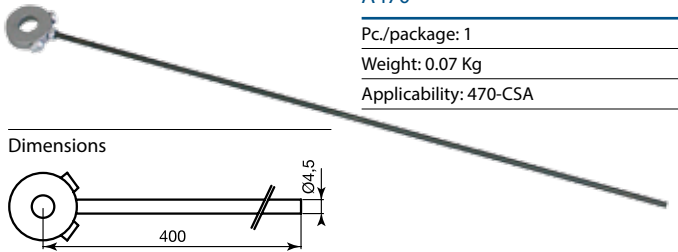
Rope magnetic contact for roller shutters

Rope magnetic contact to protect roller shutters and gates against tear-off, cutting and lifting.

It is mounted inside the box, and it is completely invisible. The rope is hooked to the roller shutter and transmits motion to an internal magnetic cam that drives the reeds. The signal from the reed bulbs is processed by an integrated analysis card.

Two different versions are available depending on application requirements. Version 473-N has a changeover relay output, while version 473-CN has an open-collector output for interfacing with radio transmitters. The contact must be installed next to the shutter edge of the box.

In order to enhance installation, an extension slide, code 474-CSA, is available. The contact is fixed to the roller shutter box through screws or tape (not included).



A470

Pc./package: 1

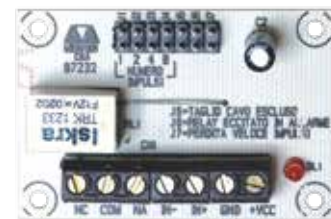
Weight: 0.07 Kg

Applicability: 470-CSA

Spare rod made from burnished steel for 470-CSA contact

Material: Burnished steel

Length 40 cm



471-A

Pc./package: 1

Weight: 0.03 Kg

Applicability: 471-CSA

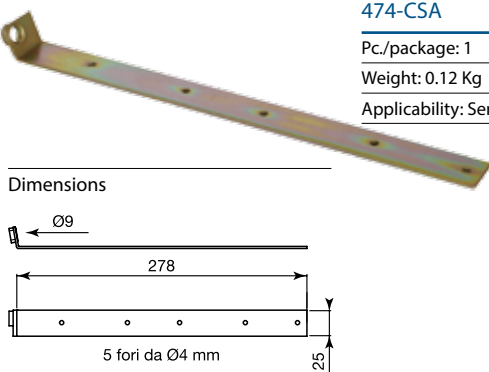
Analysis card to detect pulses of the 471-CSA rope contact

Generates an alarm above 0.5 s with a number of pulses equal to or higher than the set value (from 1 to 15) or if the rope sensor connection is interrupted LED for pulse/alarm signalling Relay changeover output max. 1 A, 75 V DC

12 V DC $\pm 20\%$ power supply; 3.3 mA consumption with relay at rest, 20 mA with live relay.

It is suggested not to connect more than 5 sensors to simplify research in case of alarm. Dimensions 55x37x20 mm

Adhesive supports included



474-CSA

Pc./package: 1

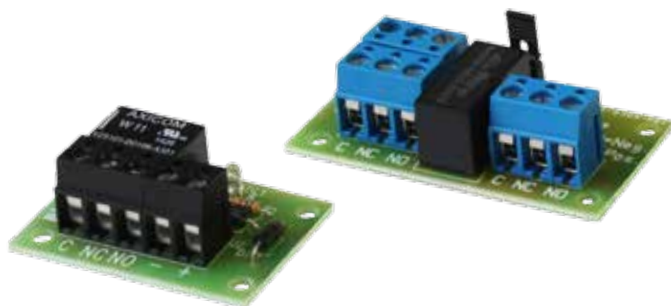
Weight: 0.12 Kg

Applicability: Series 471, 473

Extension slide for rope contacts

Simplifies installation as it enables to fix rope contact towards the back of the box

In galvanized steel

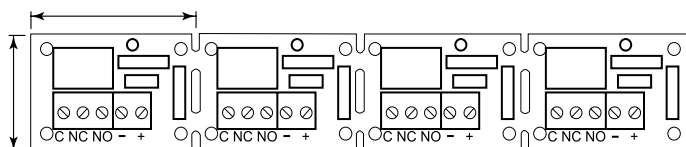


- Max relay current 3A
- Power passing through series
- Selectable positive/negative command
- No need for certified cable
- Immune to electromagnetic interference
- Compact dimensions
- Comes supplied with two-component epoxy adhesive support guide

Series 500-CSA

Max relay voltage	42,4V peak - 60V DC
Max relay current	3A
Power consumption	23mA
Operating temperature	-25°C + 55°C
Type of connection	Terminals
Positive/negative selectable command	Jumper (513-CSA model only)

Dimensions 512-CSA



Series 500-CSA

Relay card

Relay cards let the user govern loads or activate devices that can not be managed directly by the alarm control unit. There are two models in the 500 series:

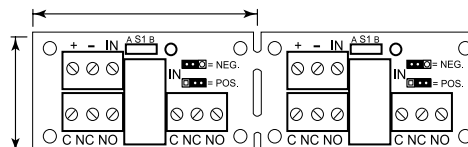
the 512-CSA powers the relay card when it is open.

the 513-CSA with positive or negative open collector command and dual changeover contact.

The cards come supplied in sets of two (513-CSA) and four (512-CSA) with power supply (powering one card powers the whole set).

To ensure maximum safety and reliability, series 500 relay cards undergo very stringent tests as regards immunity to electromagnetic disturbances and comply with EN50130-4:2011; EN61000-6-3:2007 + A1:2011

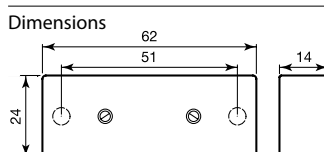
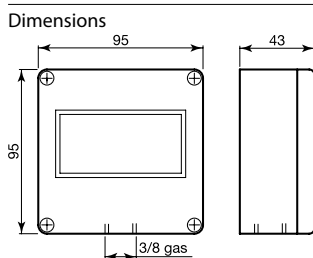
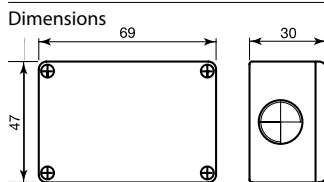
Dimensions 513-CSA



Order codes

Code	Power supply	Command	Command threshold	Command current	Changeover contacts	Package (set)
512-CSA	12V +/- 15%	-	-	-	1	4 pcs.
513-CSA	12V +/- 15%	Open collector	Neg: 0-4V / Pos.: 5-12V	0.55mA	2	2 pcs.

The code refers to each single relay card. The product comes supplied in sets of 2 or 4 items depending on the model and they are not sold individually.



1463-CSA/1463-FR

- Self-protected 6-poles junction box to connect sensors to the line
- Housing material: aluminium
- Micro-switch protection against opening
- Terminal connection with 2.5 sq mm max. section: 6 poles + 2 poles for protection against opening
- Entry for hose/sheath diam. 16 mm or 3/8 gas cable gland PG9 - exit for hose/sheath diam. 10 mm
- Protection rating IP 54
- Operating temperature -25°C to +70°C
- Code 1463-FR approved NFA2P TYPE 3, IP 43
- Standard equipment: 2 cable glands PG9 for 1463-CSA; 1 cable-gland PG9 + 1 3/8 gas nut for 1463-FR

1465-CSA

- Self-protected 20-poles junction box to connect several lines and/or sensors
- Housing material: aluminium, white epoxy painting
- Micro-switch protection against opening
- Terminal connection with 2.5 sq mm max. section: 6 single, 4 double, 2 triple poles, 2 anti-tampering poles
- 4 3/8 gas threaded entries
- Protection rating IP 54
- Operating temperature -25°C to +70°C
- Standard equipment: 2 3/8 gas threaded caps, cable legend, drilling template

1467-FR

- Self-protected 3-poles junction box to connect sensors to the line
- Housing material: thermoplastic, white
- Protection against opening and tear-off
- Clamping screw connections: 3 single poles (with the possibility of soldering terminals) + 2 poles for protection
- Protection rating IP 43
- Operating temperature -25°C to +70°C
- Approval NF 2AP TYPE 3

Order codes

Code	Description	Pc./package.	Package weight
1463-CSA	Self-protected 6-poles junction box	1	0.17 Kg
1463-FR	Self-protected 6-poles junction box NF approved	1	0.17 Kg
1465-CSA	Self-protected 20-poles shunting box	1	0.45 Kg
1467-FR	Self-protected 3-poles junction box NF approved	1	0.02 Kg

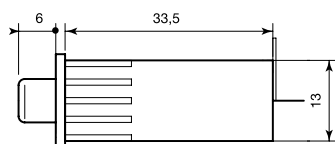


- Flush mounting
- Silent reed contact
- For several functions

Series 457

Housing material:	Thermoplastic, black
Type of connection:	Welding terminals (457-CSA), wire (457-25-CM)
Operating temperature	-25°C to+ 70°C

Dimensions



Order codes

Code	Type of contact	Max voltage	Max current	Max power	Connection	Package weight
457-CSA	NA	75 V DC	1A	10W	Welding terminals	0.25 Kg
457-25-CM	NA	75 V DC	1A	10W	25 cm wire	0.35 Kg

Series 457

Panic reed button

By pushing the button, a magnet silently moves close to the reed bulb and closes the contact.

It can be used also as a mechanically activated reed contact in several applications or devices. Flush mounting with a 13 mm diameter hole. Version with welding terminals and a 25 cm long cable.

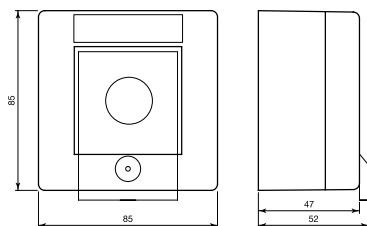


- Micro-switch protection against opening
- Protection cover, possibility of sealing

476

Housing material	Thermoplastic in colours as per table
Door material	Thermoplastic, transparent
Type of connection	Clamping screws (3 for protection contact against opening, 3 for button contact)
Operating temperature	+5°C to +40°C
Protection rating	IP 32
Standard equipment	N° 4 paper membranes

Dimensions



476

Anti-panic button to signal alarms.

Button pushing causes the breaking of paper membrane showing alarm activation, and moves the changeover micro-switch.

Protected against opening by an internal changeover micro-switch.

Comes with sealable transparent protective flap.

The high security of this call point is certified by IMQ Level III and Vds class C approval.

Order codes

Code	Contacts	Max. contact voltage	Max. contact current	Colour	Opening protection	Approvals	Package weight
476-CSA	1 changeover contact	75 V DC	3 A	white	yes	IMQ Lev. III Vds n. G192028	0.18 Kg

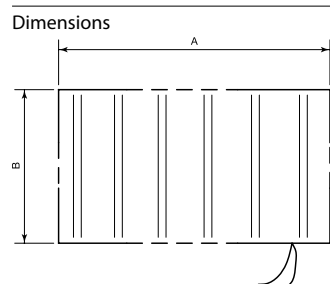
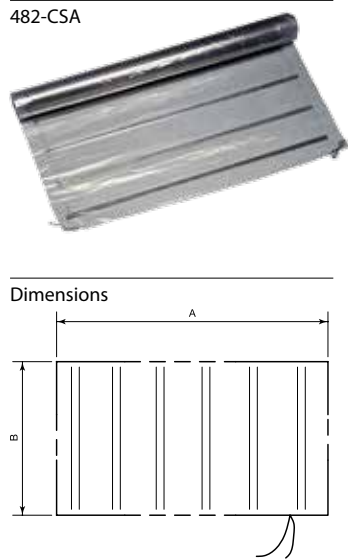


- Pressure detection
- Minimum operating pressure 1.5 Kg
- Only 3.5 mm thick

482 / 483

Mat material	PVC, colours as per table
Contact elements material	Hardened and tinned steel
Operation	NO contact
Type of connection	Wires
Operating temperature	-15°C to +55°C
Protection rating	(indoor use)

482-CSA



Order codes

Code	Contacts	Max voltage	Max current	Length A	Length B	Width	Connection	Colour	Package weight	Notes
482-CSA	NA	75 V DC	500 mA	5000 mm	740 mm	3.0 mm	welding terminals	transparent	3.43 Kg	
483-CSA	NA	75 V DC	500 mA	745 mm	425 mm	3.5 mm	2 wires 0.7 m	black	0.56 Kg	Reinforced PVC

482 / 483

Pressure sensitive mats

Foot pressure mat that, thanks to its very low thickness, can be placed under carpets, runners, deep-pile carpets, etc.

It is made of several layers of hardened and tinned steel strips divided by a thin insulating layer. When the mat detects a localized pressure higher than 1.5 Kg, it closes the output contact. Wire connections.

Version 482-CSA is provided in 5 m long rolls that can be cut to the required length.



- Silent operation
- Protection against opening
- Version with LED memory

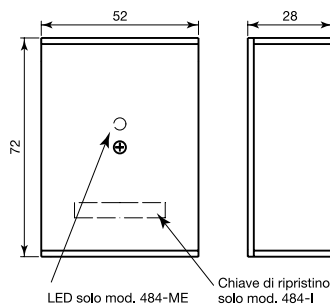
Series 484

Cover material	Anodized aluminium
Housing material	Thermoplastic, white
Operation	NC reed contact
Type of connection	Terminals
Operating temperature	+5°C to +40°C
Protection rating	IP 32

484-ME



Dimensions



Order codes

Code	Connection type	Max voltage	Max current	Max power	Power supply	LED Memory	Connections	Approvals	Package weight	Notes
484-I	NC	75 V DC	1 A	10 W	-	no	4 terminals	PPTT - IMQ Lev. III	0.07 Kg	key reset
484-ME	NC	75 V DC	1 A	10 W	12 V DC - 10 mA	yes	6 terminals	PPTT - IMQ Lev. III	0.07 Kg	control centre reset

Accessories

CSA05403	Spare key for 484-I
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Series 484

Panic button

Reed button designed for the silent signalling of robberies in action.

By pushing the button, a magnet gets close to the internal reed and opens the contact, thus triggering the alarm. Self-protection against opening through internal reed.

Internal reeds are designed for NC operation. Simplified installation thanks to the double-sided tape included.

The call point is IMQ Lev. III and PPTT approved.

Version 484-I is equipped with self-retaining button. To reset, a specific key included in the package is necessary. 4-terminal connection: 2 for contact and 2 for anti-tampering.

Version 484-ME: LED memory with control centre reset (by cutting power supply), button with spring return. 6-terminal connection: 2 for contact, 2 for anti-tampering, 2 for 12 V DC power supply.

1



- Operated by lifting the foot tip
- Silent operation
- Protection against opening
- Version with LED memory

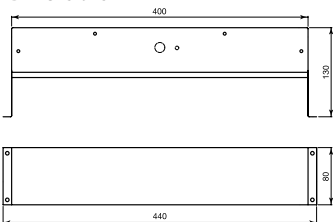
Series 485

Housing material	Sheet steel, epoxy grey painting
Front material	Sheet steel, epoxy white painting
Operation	NC reed contact
Type of connection	Terminals
Operating temperature	-15°C to +55°C
Protection rating	IP 40

485-ME



Dimensions



Order codes

Code	Connection type	Max voltage	Max current	Max power	Power supply	LED memory	Connections	Package weight	Notes
485-I	NC	75 V DC	1 A	10 W	-	no	4 terminals	1.92 Kg	key reset
485-ME	NC	75 V DC	1 A	10 W	12 V DC - 10 mA	yes	6 terminals	1.75 Kg	control centre reset

Accessories

CSA06632	Spare key for 485-I
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Series 485

Foot-operated panic button

Foot-operated button silently actuated by slightly raising the foot. The internal reed contact is designed for NC operation. The mechanically high-resistance steel case is self-protected against opening.

Version 485-I is equipped with self-retaining pedal.

To reset, a specific key included in the package is necessary (keys are different for each product). 4-terminal connection: 2 for contact and 2 for anti-tampering.

Version 485-ME: LED memory with control centre reset (by cutting power supply). 6-terminal connection: 2 for contact, 2 for anti-tampering, 2 for 12 V DC power supply.

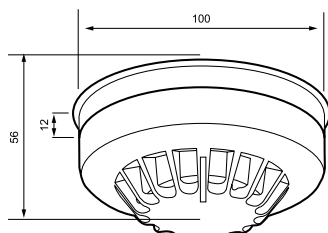


- Optical, optical-heat, thermo-velocimetric detectors
- Power supply 12V
- Relay output
- Dual LED indicator
- Base can be locked against detachment

FIRECAT

Housing material	Thermoplastic, white
Type of connection	NC (open when alarmed)
Operating temperature	-10°C to +45°C
Protection rating	IP 40

Dimensions



Order codes

Code	Type of contact	Nominal voltage	Nominal current	Relay power	Package weight
400001FULL-0001	NC (open when alarmed)	10-16 V DC	0.5mA in standby - 14mA in alarm	1A, 30V max	0.08 Kg

FIRECAT

Multipurpose detector

Conventional multi-purpose detector that can be operated as either an optical, optical-heat, thermo-velocimetric or fixed temperature heat sensor at 77° with dip-switch adjustment.

Suitable for direct connection with most conventional third party control centres. The detector is equipped with a 12V relay base and can be configured to save the alarm condition to memory or to reset automatically.

The detector is equipped with a dual LED indicator:
fixed red LED indicating the alarm/fault condition,
blinking red LED indicating normal conditions,
blinking yellow LED indicating smoke detection, some fault in the analysis chamber or the achievement of the maximum compensation capacity at the contamination site.

1.10 Detectors

Series 1450

1

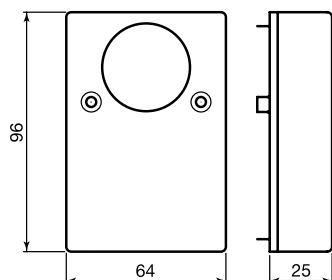


- Small size
- Detection of water and moisture
- Terminal connection
- 1450 with relay output

Series 1450

Housing material	Thermoplastic in colours as per table
Operation	Detection of resistance between feet and internal coil
Type of connection	Terminals (2 for external feelers, 2 for power supply, 3 for relay output)
Operating temperature	+5°C to +50°C
Protection rating	IP 40

Dimensions



Order codes

Code	Nominal voltage	Max power consumption	Relay power	Colour	Package weight	Notes
1450-CSA	12/24 V DC	30 mA	Changeover relay max 1 A, 30 V DC	white	0.16 Kg	can be connected to external probes code 1450-S-CSA
1450-24-VCA	24V AC	30 mA	Changeover relay max 1 A, 30 V DC	white	0.16 Kg	can be connected to external probes code 1450-S-CSA
1450-S-CSA					0.14 Kg	external probe for 1450

Series 1450

Flooding and moisture detector

Sensor detecting water through 4 gold-plated supporting feet. It is normally used for the protection against the flooding of computer centres, boiler rooms, offices, laboratories, etc.

Must not be used with flammable liquids.

Version 1450-CSA, Available with 12 or 24 V DC power supply, equipped with changeover relay output to control automatic phone diallers, alarm sirens etc. Can also be connected to several external probes 1450-S-CSA (up to 10).

For higher protection, it is also equipped with a moisture detector, whose sensitivity can be regulated by an internal trimmer.

Version with 24V AC power supply is available.

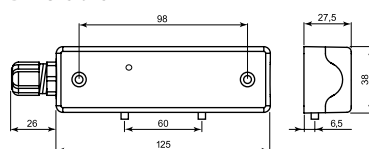


- High mechanical resistance
- Low consumption
- Corrosion-proof system
- Wire or terminal connections
- Alarm signal LED
- Relay output

Series 2450 N

Housing material	Die-cast aluminium, white epoxy painting
Operation	Resistance detection between feet. Changeover relay output
Type of connection	Wires or terminals
Operating temperature	-15°C to +70°C
Standard equipment	Mounting bracket. Press hose M16
Protection rating	See table

Dimensions



Series 2450 N

IP 65 liquid detector

Sensor for detecting water on the floor by means of 2 gold plated feet. Normally used for protection against the flooding of computer centres, boiler rooms, offices, laboratories, etc.

The sensor contained into aluminium case epoxy white painting is equipped with a steel support that allows liquids to be detected at a height ranging from 0 to 11 mm depending on requirements. In alarm condition, the relay changes its status and the LEDS light up. Remote testing and inhibition functions. The circuit is oscillating to prevent electrolysis and corrosion problem.

7 wire connection for 2450-N and terminal for 2450-NM: 2 power terminals, 3 terminal for changeover relay output, 1 for remote test, 1 terminal for inhibition. Version 2450-N offers a protection degree IP 67 thanks to full epoxy resin encapsulation. Must not be used with flammable liquids.

Order codes

Code	Nominal voltage	Consumption in standby	Consumption in alarm	Outputs	N° wires	Cable length	Protection rating	Package weight
2450-N	12/24 V DC	10 mA @ 12 V DC 13 mA @ 24 V DC	25 mA @ 12 V DC 32 mA @ 24 V DC	Changeover relay max 1 A, 30 V DC	7	4.0 m	IP 67	0.79 Kg
2450-NM	12/24 V DC	10 mA @ 12 V DC 13 mA @ 24 V DC	25 mA @ 12 V DC 32 mA @ 24 V DC	Changeover relay max 1 A, 30 V DC	7 terminals	-	IP 65	0.50 Kg

1.11

Sounders and beacons

ASSERTA MINI • 3465-12-WHITE

1

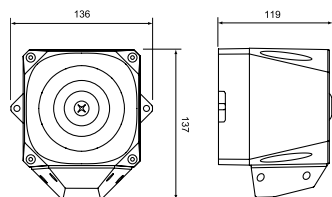


ASSERTA MINI

Electronic sounder with xenon beacon

- Suited for installation in outdoor environment
- High protection rating - IP 66
- Wide range of power supply from 9 to 60 V DC
- Volume control
- High sound output
- Xenon beacon
- 32 selectable tones
- Dual tone alarm
- Terminal connection
- Operating temperature -25°C to +70°C
- Housing material: thermoplastic, white
- Dome material: amber thermoplastic
- Can be fitted with tamper-proof opening (available as accessory)

Dimensions

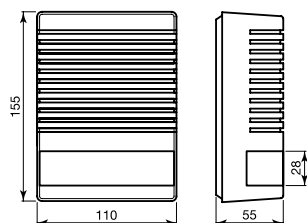


3465-12-WHITE

Dual tone flashing piezoelectric siren

- Ideal for internal settings
- High sound output
- Housing material: thermoplastic, white
- Dome material: thermoplastic, transparent
- Dual-tone sound 2800-3100 Hz 0.5s/0.5s; 110 dB @ 1 m
- Xenon beacon 60 flash/min
- Micro-switch protection against opening
- Terminal connections
- Operating temperature: -20°C to +60°C
- 12 V DC power supply
- 290 mA consumption

Dimensions



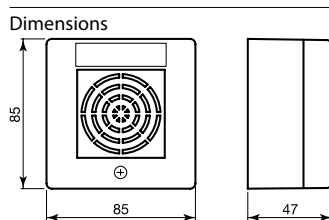
Order codes

Code	Nominal voltage	Nominal current	Sound power level	Flash rate	Package weight
7092270FUL-0147	9-60 V DC	118-224 mA	113db*	1 Hz	0.43 Kg
3465-12-WHITE	12 V DC	290 mA	110db	1 Hz	0.32 Kg

* with 6 tones

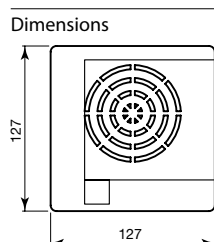
Accessories

7092263FUL-0129	Tamper card for Asserta mini sounder
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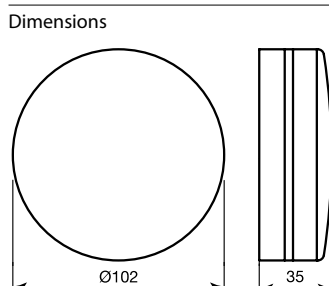
2460-B

- Acoustic sounder for indoor use
- Compact dimensions and low consumption
- Housing material: thermoplastic, white
- 3 to 24 V DC power supply – consumption 15 mA @ 12 V DC, 27 mA @ 24 V DC
- Intermittent sound 3200 Hz 0.25s ON, 0.25s OFF; 98 dB @ 12 V DC – 105 dB @ 24 V DC at 1 m
- Wire connection
- Operating temperature: -20°C to +60°C



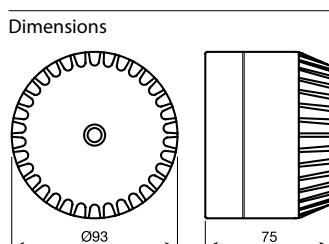
09040UK-00

- 16 Ohm loudspeaker with wall mounting case
- Connection with 4 wires (2 for command and 2 for anti-tampering)
- 16 Ohm high power loudspeaker in Mylar
- Can generate sonic pressure of 108 dB @ 1m
- Dimensions (HxLxD) 127 x 127 x 50 mm



587011FULL-0110X

- Electronic ceiling-mount sounder SQUASHNI Micro - IP 42 for indoor use
- 4 selectable tones (for information see the Fire Alarm System Components catalogue) with a second pre-alarm tone
- Housing material: White ABS
- 9-30 V DC power supply – consumption 15 mA @ 24 V DC
- 97 dB at 1m
- Terminal connections
- Operating temperature: -25°C to +70°C



531044FULL-1003

- Xenon beacon with anti-tampering - IP 54: indoor and outdoor use
- Housing material: White ABS
- Dome material: amber polycarbonate
- Micro-switch protection against opening
- Xenon beacon 10 cd, 60 flashes/min.
- 9-60 V DC power supply – consumption 88 mA @ 24 V DC
- Terminal connection (6 term.)
- Operating temperature: -20°C to +70°C

Order codes

Code	Description	Pc./package.	Package weight
2460-B	Acoustic sounder	1	0.14 Kg
09040UK-00	Loudspeaker for wall mounting	1	0.5 Kg
587011FULL-0110X	SQUASHNI Micro siren for ceiling mounting	1	0.16 Kg
531044FULL-1003	Xenon beacon with anti-tamper system	1	0.30 Kg

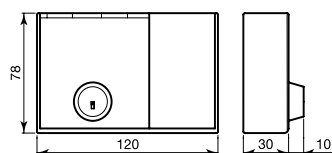
1.12 Key locks

491-T • 496-CSA • 496-I

1



Dimensions

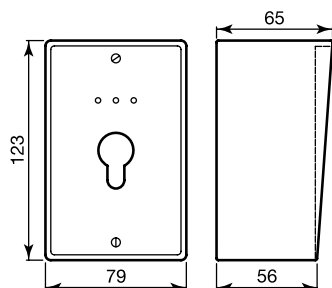


491-T

- Mechanical protection for electric key locks
- Easily installed to protect electronic key locks such as Bticino "Magic"
- Anti-tampering cover designed to allow free access to call points or other components coupled with the electric key lock
- Material: steel, epoxy white painting
- Key lock
- NC reed contact
- Pair of keys included
- Code CSA-06632: key lock for 491-T



Dimensions

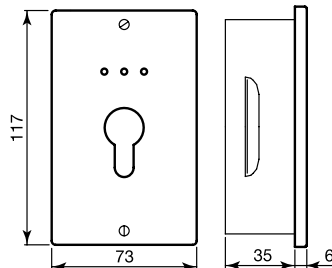


496-CSA

- Inserter for surface-mounting without key block
- For YALE or similar locksets
- Housing material: die-cast aluminium, white epoxy painting.
- Front material: anodized aluminium
- Central position and 90° rotation to the right and left
- Two changeover contacts with stable positions, possible conversion to unstable positions
- Three signalling LEDs and buzzer
12 V DC power supply, 10 mA for each element
- Terminal connections
- Protections: key block removal, front drilling, cover removal, tear-off



Dimensions

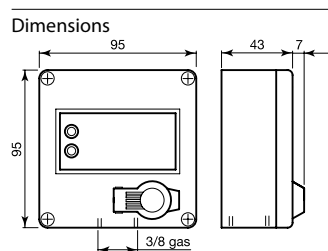


496-I

- Inserter for flush-mounting without key block
- For YALE or similar locksets
- Housing material: galvanized steel.
- Front material: anodized aluminium
- Central position and 90° rotation to the right and left
- Two changeover contacts with stable positions, possible conversion to unstable positions
- Three signalling LEDs and buzzer
12 V DC power supply, 10 mA for each element
- Terminal connections
- Protections: key block removal, front drilling, cover removal

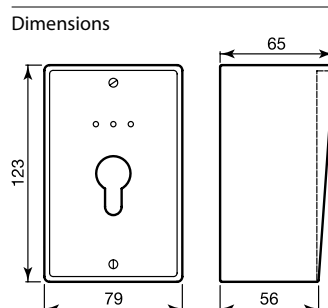
Order codes

Code	Description	Pc./package.	Package weight
491-T	Mechanical protection for electric key locks	1	0.40 Kg
496-CSA	Inserter for surface-mounting without key block	1	0.63 Kg
496-I	Inserter for flush-mounting without key block	1	0.37 Kg



498-CSA / 498-1512

- Key lock for surface-mounting
- Housing material: die-cast aluminium, epoxy white painting
- Double changeover contact
- Two signalling LEDs – 12 V DC power supply, 10 mA for each element
- Wire terminal connections
- Protections: front cover removal
- Code 498-CSA: with 5 keys (different for each product)
- Code 498/1512: with 3 keys, always identical for all products
- IP 65
- Code CSA07970: key lock for 498-CSA
- Code CSA07960: key lock for 498-1512



499-CSA

- Stainless steel inserter for surface-mounting without key block
- For YALE or similar locksets
- Housing material: die-cast aluminium, epoxy white painting. Front material: stainless steel
- Central position and 90° rotation to the right and left
- Two changeover contacts with stable positions, possible conversion to unstable positions
- Three signalling LEDs and buzzer
- 12 V DC power supply, 10 mA for each element
- Terminal connections
- Protections: key block removal, front drilling, cover removal, tear-off

Order codes

Code	Description	Pc./package.	Package weight
498-CSA	Key lock for surface-mounting	1	0.51 Kg
498-1512	Key lock for surface mounting with identical keys	1	0.51 Kg
499-CSA	Stainless steel inserter for surface-mounting without key block	1	0.68 Kg

1.13 Power supply units

Series 81000 S



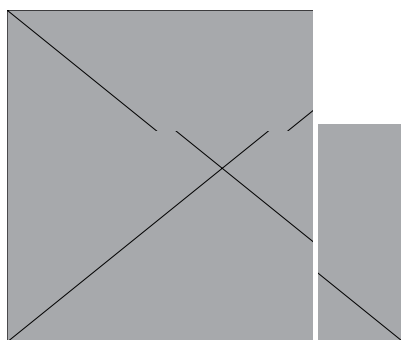
UNI EN 60950

- Switching technology
- Output voltage 13.8 V DC
- Small size
- High output
- Surface version
- Lead battery charging

Series 81000 S

Housing material	Galvanised plate
Type of connection	Terminals
Power supply	230 V AC -15+10%, 50÷60 Hz
Lines	Voltage input, battery output, load output
Electric protection	Earth fuse, overload, over voltage output, short circuit
Operating temperature	+5°C to +40°C
Insulation class	Class I

Dimensions



	A	B	C
81215-S	98	135	40
81230-S	98	135	40
81250-S	98	165	42

Order codes

Code	Nominal power	Output current	Output voltage	Number and type of compatible batteries	Package weight	Notes
81215-S	20 W	1.5 A	13.8 V DC	1 x 12V 7A	0.4 Kg	Model A
81230-S	42 W	3 A	13.8 V DC	1 x 12V 17A	0.5 Kg	Model B
81250-S	70 W	5 A	13.8 V DC	1 x 12V 42A	0.6 Kg	Model C

Series 81000 S

Switching power supply unit 13.8 V DC

High quality switching power supply unit with 13.8 V DC and currents at 1.5 A, 3 A and 5 A.

Thanks to switching technology, it has small dimension, high efficiency and reduces at the least heating dissipation.

High protection degree: overload, polarity inversion and short circuit. The mains power status is indicated by a green LED. Indicated especially in small to medium size systems that need additional power supply.

It can be installed into false ceilings or boxes suitable to house concentrators or junction boards.

The most common use is supplying electromagnetic door holders (in access control systems) or connecting electric key locks, with high consumption, to release emergency exit doors, gates, etc.



UNI EN 60950

- Switching technology
- Output voltage 13.8 V DC
- High efficiency
- Small or big metallic box
- Lead battery charging

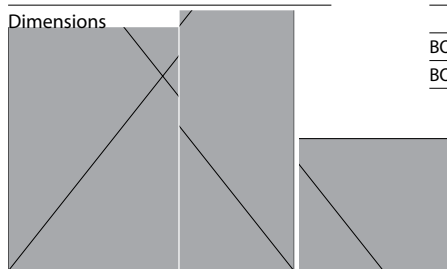
Series 81000 SB

Housing material	Epoxy painting plate
Type of connection	Terminals
Power supply	230 V AC -15+10%, 50-60 Hz
Lines	Voltage input, battery output, load output, open collector output for remote signals, general alarm output by relay contacts. Door/cover opening detection
Electric protection	Earth and battery fuses, overload, short circuit, polarity battery inversion, opening box tamper
Operating temperature	+5°C to +40°C
Insulation class	Class I
Protection rating	IP 30
Standard equipment	Two keys for lock

Power supply unit with door open.
N.B. Battery not supplied



Dimensions



	A	B	C
BOX A	290	250	180
BOX B	450	260	205

Series 81000 SB

Power supply switching box 13.8 V DC

High quality power supply unit with 13.8 V DC in a switching version with current at 1.5 A, 3 A and 5 A.

Thanks to switching technology, it has high efficiency and reduces at the least heating dissipation.

High protection degree: overload, polarity inversion and short circuit. 4 LEDs indicate power supply status: mains power (green), battery recharging (green), battery discharged (red), fault (red). All LEDs are visible and intelligible thanks to printed door. Indicated especially in small to medium size systems that need an additional power supply.

For large systems, their use avoids long power supply cable runs, simplifying installation.

Double box dimensions makes this product suitable for civil (small box) and industrial installations (large box).

Wide space is available in the large box to insert expansion boards, concentrators, junctions or any type of auxiliary cards.

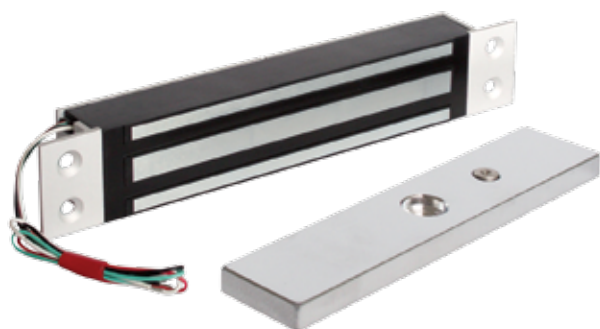
Order codes

Code	Nominal power	Output current	Output voltage	Number and type of compatible batteries	Package weight	Notes
81215-SBP	20 W	1.5 A	13.8 V DC	1 x 12V 7A	4.0 Kg	Type A container (batteries not supplied)
81215-SBG	20 W	1.5 A	13.8 V DC	1 x 12V 7A	6.2 Kg	Type B container (batteries not supplied)
81230-SBG	42 W	3 A	13.8 V DC	1 x 12V 17A	6.4 Kg	Type B container (batteries not supplied)
81250-SBG	70 W	5 A	13.8 V DC	1 x 12V 42A	6.6 Kg	Type B container (batteries not supplied)

1.14 Electromagnetic door holders

1385

1

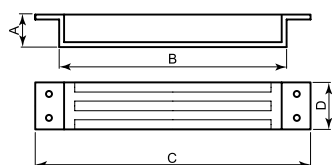


- Holding force 300 Kg
- Counter plate included
- 12-24 V DC selectable
- IP 40 version

1385

Body material	Anodized aluminium
Magnetic part material	Stainless steel
Operation	Release without power supply
Type of connection	Wire
Operating temperature	-10°C to +55°C
Standard equipment	Galvanized steel counter plate, screws and mounting accessories

Dimensions



	A	B	C	D
1385-A	26	187	227	38

Order codes

Code	Holding force ±15 %	Nominal voltage	Nominal current	Door status	Mounting	Degree of protection	Package weight	Notes
1385-A	300 Kg / 2490 N	12-24 V DC	500 mA @ 12 V DC 250 mA @ 24 V DC	yes	flush mounting	IP 40	1.82 Kg	Damping counter plate

1385

Flush mounting electromagnetic door holder

Flush mounting electromagnetic door holder to block emergency, anti-panic, access and passage doors.

The high holding force allows to keep doors closed under normal condition. In case of emergency, the electromagnet unit is released, allowing door opening. Fail safe operation: the door is released in case of power drop, enabling the safe passage of people. 12 or 24 V DC power supply, selectable with internal jumper.

Thanks to wide range of auxiliary brackets, they can be mounted in several applications including glazed doors. These door holder units can be released by emergency buttons or specific control panels.

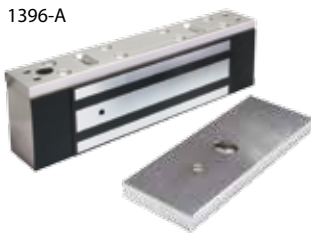


- Surface mounting
- Holding force 150 - 300 - 500 Kg
- Damping counter plate included
- 12-24 V DC selectable
- IP 40 and IP 65 versions

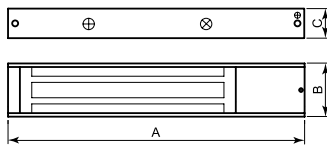
Series 1390

Body material	Anodized aluminium
Magnetic part material	Stainless steel
Operation	Release without power supply
Type of connection	Terminals
Operating temperature	-10°C to +55°C
Standard equipment	Galvanized steel counter plate, screws and mounting accessories

1396-A

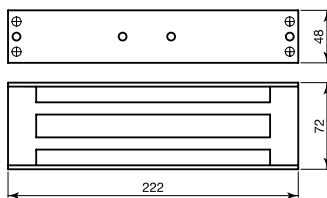


Dimensions



	A	B	C
1384-A	210	39	22
1388-A	250	48	25
1392-A	265	76	40
1395-A	532	76	40

Dimensions 1396-9



Order codes

Code	Holding force ±15 %	Nominal voltage	Nominal current	Door status	Mounting	Degree of protection	Package weight	Notes
1384-A	150 Kg / 1470 N	12-24 V DC	300 mA @ 12 V DC 150 mA @ 24 V DC	yes	surface	IP 40	1.80 Kg	With LED
1388-A	300 Kg / 2490 N	12-24 V DC	500 mA @ 12 V DC 250 mA @ 24 V DC	yes	surface	IP 40	2.02 Kg	With LED
1392-A	500 Kg / 4900 N	12-24 V DC	500 mA @ 12 V DC 250 mA @ 24 V DC	yes	surface	IP 40	4.26 Kg	With LED
1395-A	2 x 500 Kg / 9800 N	12-24 V DC	1 A @ 12 V DC 500 mA @ 24 V DC	yes	surface	IP 40	8.60 Kg	2 backplates supplied
1396-A	500 Kg / 4900 N	12-24 V DC	500 mA @ 12 V DC 250 mA @ 24 V DC	no	surface	IP 65	4.20 Kg	From exterior in stainless steel, connection with wires

Series 1390

Surface mounting electromagnetic door holders

Series of surface mounting electromagnetic door holders to block emergency, anti-panic, access and passage doors.

The high holding force allows to keep doors closed under normal condition. In case of emergency, the electromagnet unit is released, allowing door opening. Fail safe operation: the door is released in case of power drop, enabling the safe passage of people.

Outdoor version available.

12 or 24 V DC power supply, selectable with internal jumper.

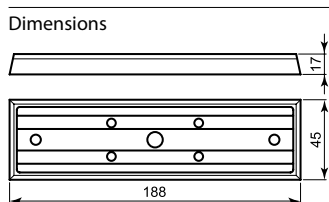
Thanks to wide range of auxiliary brackets, they can be mounted in several applications including glazed doors. These door holder units can be released by emergency buttons or specific control panels.

1.14

Accessories available for electromagnetic door holders

300-K-BASE • 500-K-BASE • 300-K-STL • 500-K-STL • 300-K-STU-E • 500-K-STU-E

1



300-K-BASE

Base for 300 Kg electromagnetic counter plate

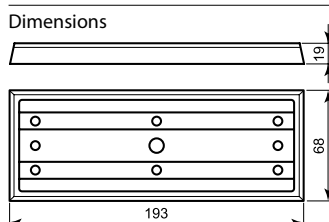
For mounting the counter plate on fire barrier doors

Material: die-cast aluminium

Provided with M8 screw with damping washer

Weight: 0.22 Kg

Applicability: 1388-A



500-K-BASE

Base for 500 Kg electromagnetic counter plate

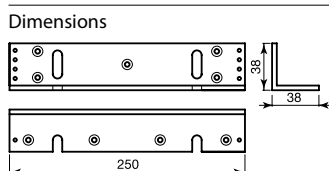
For mounting the counter plate on fire barrier doors

Material: die-cast aluminium

Provided with M8 screw with damping washer

Weight: 0.32 Kg

Applicability: 1392-A, 1395-A, 1396-A



300-K-STL

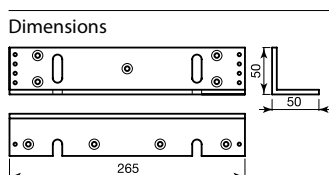
"L" shaped bracket to mount 300 Kg electromagnets

For mounting the electromagnet on vertical surfaces of the door frame

Material: anodized aluminium

Weight: 0.27 Kg

Applicability: 1388-A



500-K-STL

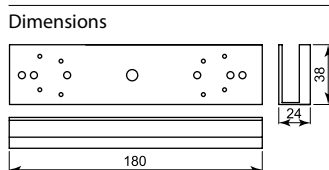
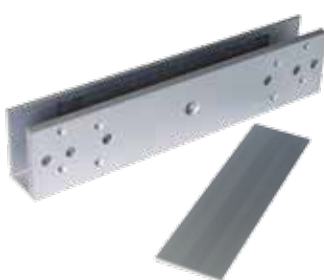
"L" shaped bracket to mount 500 Kg electromagnets

For mounting the electromagnet on vertical surfaces of the door frame

Material: anodized aluminium

Weight: 0.39 Kg

Applicability: 1392-A, 1395-A



300-K-STU-E

"U" shaped bracket for 300 Kg counter plate – anodized aluminium

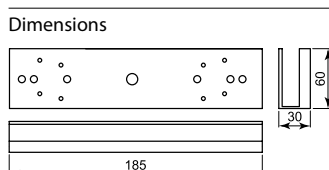
For mounting backplates to 10-14mm glass

Requires also L shaped bracket code 300 K STL for 300 Kg electromagnet door holder

Provided with: 3 mounting dowels, 5 M5 screws, galvanized steel protection plate, 2 rubber seals, socket head screw

Weight: 0.56 Kg

Applicability: 1388-A



500-K-STU-E

"U" shaped bracket for 500 Kg counter plate – anodized aluminium

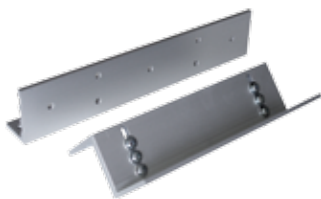
For mounting backplates to 10-14mm glass

Requires also L shaped bracket code 500 K STL for 500 Kg electromagnet door holder

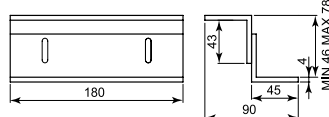
Provided with: 3 mounting dowels, 5 M5 screws, galvanized steel protection plate, 2 rubber seals, socket head screw.

Weight: 0.70 Kg

Applicability: 1392-A, 1395-A, 1396-A



Dimensions



300-K-STZ

"Z" shaped bracket for 300 Kg electromagnetic door holder complete with "L" shaped bracket – anodized aluminium

For mounting the plate with electromagnet placed outside the door opening (e.g. with "L" shaped bracket)

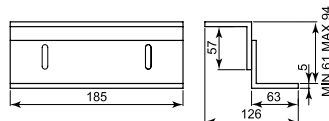
Consists of 2 "L" shaped brackets which are fitted to form a "Z".

Provided with: 6 M5 screws, M8 screw with damping washer.

Weight: 0.60 Kg



Dimensions



500-K-STZ

"Z" shaped bracket for 500 Kg electromagnetic door holder complete with "L" shaped bracket – anodized aluminium

For mounting the plate with electromagnet placed outside the door opening (e.g. with "L" shaped bracket)

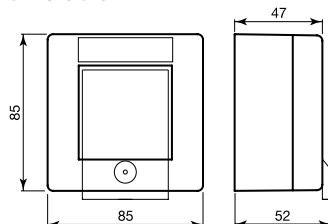
Consists of 2 "L" shaped brackets which are fitted to form a "Z".

Provided with: 6 M5 screws, M8 screw with damping washer.

Weight: 0.60 Kg



Dimensions



2495-CSA

Universal glass break emergency button

Suitable to release electromagnetic door holders

Double changeover contact

Material: thermoplastic, white

Protection rating IP54

Connection: clamping screws

Provided with sealable transparent protection flap.

Available in green, code 2495-V.

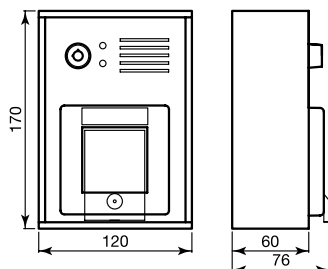
Spare glass code 2472-U.

Weight: 0.18 Kg

Applicability: all electromagnetic door holders.



Dimensions



2498-R

Control board for emergency doors with timer

Settable timer card from 0.5 to 120s, with delayed relay upon release or activation through external command.

Power supply 12-24 V DC

Power consumption from 3 to 20 mA with live relay (@ 12 V DC)

Emergency button included, type 2495-CSA with dual changeover contact.

Spare lock code CSA07980.

Spare glass code 2472-U.

Weight: 0.78 Kg

Applicability: all electromagnetic door holders.

Universal components for CSA fire systems

2



Maximum reliability and performance in full compliance with the latest international standards





- Complies with UNI EN54-4
- Switching technology
- High output
- Small & large versions of metallic casing available
- Lead battery charging
- Available output current: 1.5 A, 2.5 A, 5A

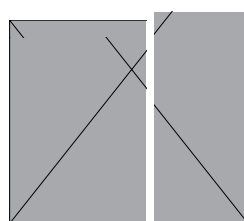
Series 82000 B

Housing material	Epoxy painting plate
Type of connection	Terminals
Power supply	230 V AC -15+10%, 50+60 Hz
Lines	Voltage input, battery output, load output, open collector output for remote signals, general alarm output by relay contacts. Door opening detection
Electric protection	Fuses for mains and battery overload, short circuit in output, battery inversion. Door opening tamper protection
Operating temperature	+5°C to +40°C
Insulation class	Class I
Protection rating	IP30
Standard equipment	Two keys per lock

Power supply unit with door open. N.B.
Battery not supplied



Dimensions



	A	B	C
BOX A	290	250	180
BOX B	450	260	205

Series 82000 B

Switching power supply unit 27.6 V DC

Switching power supply unit with 27.6 V DC output voltage, available with a maximum output current of 1.5, 2.5 and 5A.

Thanks to switching technology - is highly efficient and reduces heat loss to the minimum. The unit is protected from overloads, polarity reversals inversions and short circuits. 4 LEDs indicate power supply status: mains power (green), battery charging (green), battery flat (yellow) and failure (yellow).

Specifically recommended as an auxiliary power supply unit for fire detection system components which often require more power output than the control panel offers such as electromagnets, notification devices, etc. Using the unit in large systems eliminates the problem of long power cable runs which simplifies installation.

The case comes provided with a mechanic lock for opening and closing the front door.

Power Supply Units series 82000B are certified in compliance with UNI EN54-4:1997 + A1:2002 + A2:2006

Order codes

Code	Nominal power	Max. current (battery + field)	Output voltage	Number and type of compatible batteries	Package weight	Case
82415BP	42 W	1.5 A	27.6 V DC	2 x 12V 4Ah Pb Gel *	4.1 Kg	Case type A (batteries not provided)
82415BG	42 W	1.5 A	27.6 V DC	2 x 12V 4Ah Pb Gel *	6.2 Kg	Case type B (batteries not provided)
82425BG	70 W	2.5 A	27.6 V DC	2 x 12V 7Ah Pb Gel *	6.5 Kg	Case type B (batteries not provided)
82450BG	140 W	5 A	27.6 V DC	2 x 12V 17Ah Pb Gel *	6.7 Kg	Case type B (batteries not provided)

* Not supplied as standard

Homologation certificates available on our website www.coopercsa.it

2.1 Power supply units

Series 82000

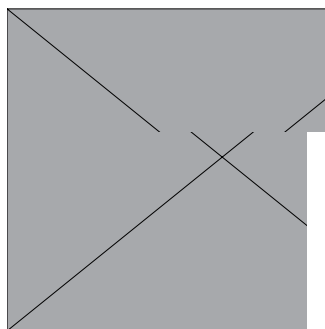


- Complies with UNI EN60950-1
- Switching technology
- Small size
- High output
- Lead battery charging
- Available output current: 1.5 A, 2.5 A, 5A

Series 82000

Housing material	Galvanized plate
Type of connection	Terminals
Power supply	230 V AC -15+10%, 50÷60 Hz
Lines	Mains input, battery output, load output
Electric protection	Earth fuse, overload, over voltage output, short circuit
Operating temperature	+5°C to +40°C
Insulation class	Class I

Dimensions



	A	B	C
82415-CSA	98	135	40
82425-CSA	98	165	42
82450-CSA	110	205	50

Series 82000

Switching power supply unit 27.6 V DC

Switching power supply unit with 27.6 V DC output voltage, available with a maximum output current of 1.5, 2.5 e 5A.

High efficiency and reduced heat losses, thanks to switching technology. The power supply units are protected from overloads, polarity reversals and short circuits. The mains presence is indicated by a green coloured LED.

Specifically recommended in systems that require small to medium size power supply units to be installed in false ceilings or case suited to accommodate concentrators or junction boxes. Using the unit in large systems eliminates the problems with long power cable runs and simplifies the construction of the system.

Power supply units of the series 82000 are CSV IMQ certified in compliance with UNI EN60950.

Order codes

Code	Nominal power	Output current	Output voltage	Number and type of compatible batteries	Approvals	Package weight	Case
82415-CSA	42 W	1.5 A	27.6 V DC	2 x 12V 4Ah Pb Gel	CSV IMQ	0.4 Kg	Type A
82425-CSA	70 W	2.5 A	27.6 V DC	2 x 12V 7Ah Pb Gel	CSV IMQ	0.6 Kg	Type B
82450-CSA	140 W	5 A	27.6 V DC	2 x 12V 17Ah Pb Gel	CSV IMQ	0.8 Kg	Type C

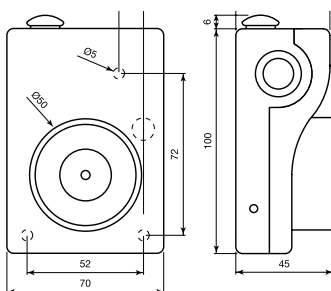


- Complies with UNI EN1155
- Wall and floor mounting (with accessory)
- Modern design
- Holding strength 50 Kg
- Low current consumption
- Release button and protection circuit
- Damping counter plate included

Series 13000

Housing material	Black or white ABS
Core material	Steel
Keeper plate material	Black ABS support, steel plate
Operation	Automatic release in event of power failure
Type of connection	Terminals
Operating temperature	-10°C to +55°C
Standard equipment	Flexible keeper plate, release button, diodes protection circuit

Dimensions



Order codes

Code	Holding strength $\pm 15\%$	Nominal voltage	Nominal current	Door status	Colour	Package weight	Notes
13050-CSA	50 Kg/490 N	24 V DC	45 mA	no	black	0.56 Kg	N°2 protection diodes
13050-SP	50 Kg/490 N	24 V DC	45 mA	yes	black	0.56 Kg	N°2 protection diodes
13050-BSP	50 Kg/490 N	24 V DC	45 mA	yes	white	0.56 Kg	N°2 protection diodes

Homologation certificates available on our website www.coopercsa.it

Accessories

1353-CSA	55 mm diameter adjustable keeper plate
13ST15	Floor/wall mounting 150 mm bracket
13ST25	Floor/wall mounting 250 mm bracket

Series 13000

Electromagnetic door release unit

Electromagnetic door release unit in plastic case for fire doors equipped with a large red release button that can be easily located.

The door release units of the series 13000 are fitted with a built-in spring release that allows residual magnetic forces to be overcome thus ensuring quick, reliable door release. The circuit includes a dual protection diode against disturbances and polarity reversals.

Three lateral inputs are available for the connection of 16 or 20 mm hoses and one back input for cables with a maximum diameter of 10 mm.

A version is available with the door status control that indicates, with the electromagnet energised, if the door is open (NC type) or closed. Provided with counter-plate.

With a suitable bracket, upon request, floor mounting is possible.

Complies with UNI EN1155:2003.



- Complies with UNI EN1155
- Wall and floor mounting (with accessory)
- Holding strength 50 Kg
- Release button
- Integrated fairleads
- Damping counter plate included
- Permanent version

Series 13100

Housing material	Steel, white epoxy painting
Core material	Steel
Keeper plate material	Black ABS support, steel plate
Operation	Released when de-energised
Type of connection	Terminals
Operating temperature	-10°C to +55°C
Protection rating	IP42

Series 13100

Electromagnetic door release unit

Electromagnetic door release unit in metal case for fire doors equipped with an easily located release button.

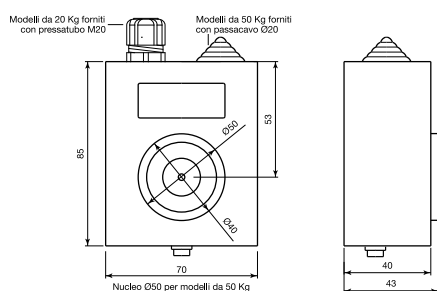
The classic design construction gives the product a high robustness. A built-in spring release allows residual magnetic forces to be overcome thus ensuring quick, reliable door release.

Two fairleads for connecting up to 16mm hoses and one back hole with a diameter of 18mm are available.

Provided with counter-plate. With a suitable bracket, upon request, floor mounting is possible.

Complies with UNI EN1155:2003.

Dimensions



Order codes

Code	Holding strength $\pm 15\%$	Nominal voltage	Nominal current	Package weight	Notes
13150-24-D	50 Kg/490 N	24 V DC	45 mA	0.73 Kg	N°1 protection diode

Homologation certificates available on our website www.coopercsa.it

Accessories

1343-CSA	55 mm diameter adjustable keeper plate
13ST15	Floor/wall mounting 150 mm bracket
13ST25	Floor/wall mounting 250 mm bracket



- Complies with UNI EN1155
- Wall mounting
- Holding strength 50 and 100 Kg
- Versions with release button available
- Damping counter plate included

Series 1330 / 1340

Base material magnet	ABS, black
Core material	Steel
Keeper plate material	Black ABS support, steel plate
Operation	Released when de-energised
Type of connection	Terminals / wires
Operating temperature	-10°C to +55°C
Protection rating	IP40

Series 1330 / 1340

Compact electromagnetic door release unit

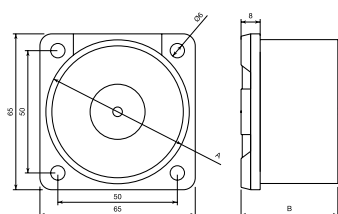
The simple and compact construction enables a reduced size and a very interesting quality/cost ratio.

The door release units series 1330/1340 are equipped with a built-in spring releaser which ensures that residual magnetic forces are overcome therefore guaranteeing a quick and reliable release of the door.

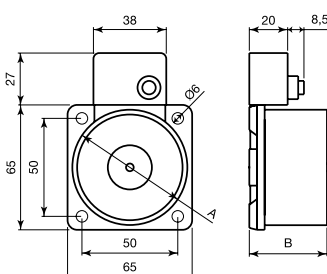
Supplied with a dual protection diode for protection against disturbances and polarity reversals. Provided with counter-plate.

Complies with UNI EN1155:2003.

Dimensions



1335-CSA / 1345-CSA dimensions



Order codes

Code	Holding strength $\pm 15\%$	Nominal voltage	Nominal current	Core diameter A	Height B	Release button	Connection type	Package weight	Notes
1330-D	50 Kg/490 N	24 V DC	45 mA	50 mm	36 mm	no	Wires	0.54 Kg	N°2 protection diodes
1335-CSA	50 Kg/490 N	24 V DC	45 mA	50 mm	36 mm	yes	Terminals	0.55 Kg	N°2 protection diodes
1340-D	100 Kg/980 N	24 V DC	100 mA	60 mm	40.5 mm	no	Wires	0.80 Kg	N°2 protection diodes
1345-CSA	100 Kg/980 N	24 V DC	100 mA	60 mm	40.5 mm	yes	Terminals	0.81 Kg	N°2 protection diodes

Homologation certificates available on our website www.coopercsa.it

Accessories

1353-CSA	55 mm diameter adjustable keeper plate
1363-CSA	60 mm diameter adjustable keeper plate



- Complies with UNI EN1155
- Wall mounting
- User selectable dual holding strength
- Aluminium case
- Release button and protection circuit
- Damping counter plate included

Series 1350 / 1360

Housing material	Die-cast aluminium, white epoxy painting
Cover material	Thermoplastic, black
Core material	Steel
Keeper plate material	Thermoplastic support, steel plate
Operation	Released when de-energised
Type of connection	Terminals
Operating temperature	-10°C to +55°C
Protection rating	IP40

Series 1350 / 1360

Aluminium electromagnetic door release unit

The aluminium case with epoxy varnishing ensures a high robustness. The circuit includes a dual protection diode against disturbances and polarity reversals.

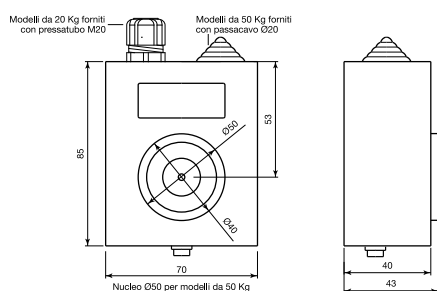
The holding strength can be selected by means of a specific internal link (25/50 Kg and 50/100 Kg).

A built-in spring release allows residual magnetic forces to be overcome thus ensuring quick, reliable door release.

Provided with counter-plate.

Complies with UNI EN1155:2003.

Dimensions



Order codes

Code	Holding strength $\pm 15\%$	Nominal voltage	Nominal current	Core diameter A	Height B	Package weight	Notes
1350-CSA	25-50 Kg/245-490 N	24 V DC	25-45 mA	50 mm	45 mm	0.8 Kg	N°2 protection diodes
1360-CSA	50-100 Kg/490-980 N	24 V DC	40-100 mA	60 mm	50 mm	1 Kg	N°2 protection diodes

Homologation certificates available on our website www.coopercsa.it

Accessories

1353-CSA	55 mm diameter adjustable keeper plate
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- Complies with UNI EN1155
- Floor mounting
- Aluminium case
- Holding strength 50 Kg
- Release button
- Damping counter plate included

1369

Housing material	Aluminium, black epoxy painting
Core material	Steel
Keeper plate material	Black thermoplastic support, steel plate
Operation	Released when de-energised
Type of connection	Wires
Operating temperature	-10°C to +55°C
Protection rating	IP40
Standard equipment	Flexible keeper plate. Release button. Protection diodes

1369

Floor mounted electromagnetic door release unit

Electromagnetic door release unit for fire doors designed for floor mounting.

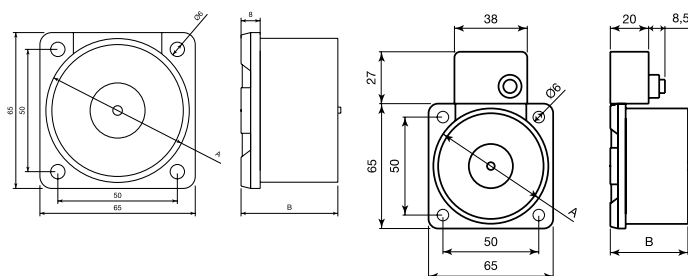
The aluminium case with epoxy varnishing ensures a high robustness.

Provided with dual protection diode against disturbances and polarity reversals. A built-in spring release allows residual magnetic forces to be overcome thus ensuring quick, reliable door release.

Provided with counter-plate.

Complies with UNI EN1155:2003.

Dimensions



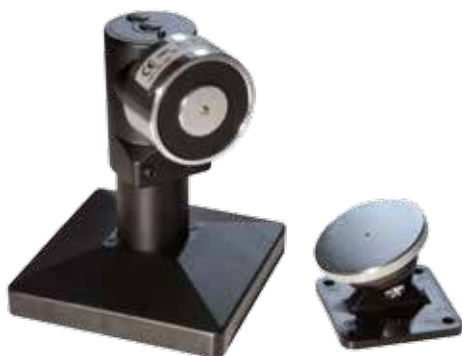
Order codes

Code	Holding strength $\pm 15\%$	Nominal voltage	Nominal current	Package weight	Notes
1369-CSA	50 Kg/490 N	24 V DC	45 mA	0.95 Kg	N°2 protection diodes

Homologation certificates available on our website www.coopercsa.it

Accessories

1353-CSA	55 mm diameter adjustable keeper plate
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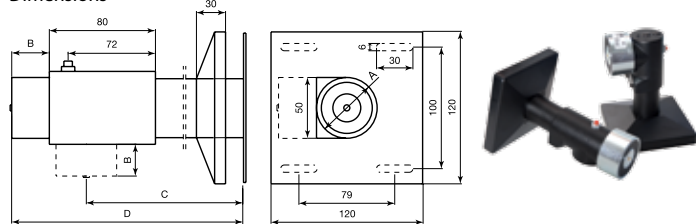


- Complies with UNI EN1155
- Floor, wall or ceiling mounting
- Holding strength 50 and 100 Kg
- Release button
- Damping counter plate included
- Adjustable mounting height within 30 mm

Series 1370 / 1380

Core support material	Aluminium, black epoxy painting
Core material	Steel
Bracket material	Steel, black epoxy painting
Cover material material	Thermoplastic, black
Keeper plate material	Black thermoplastic support, steel plate
Operation	Released when de-energised
Type of connection	Wires
Operating temperature	-10°C to +55°C
Protection rating	IP40
Standard equipment	Flexible keeper plate. Release button, base cover, protection diodes

Dimensions



Order codes

Code	Holding strength $\pm 15\%$	Nominal voltage	Nominal current	Core diameter A	Height B	Height C	Height D	Counter-plate provided	Package weight	Notes
1370-15-D	50 Kg/490 N	24 V DC	45 mA	50 mm	28 mm	127÷157 mm	180÷210 mm	Code 1351	1.2 Kg	N°2 protection diodes
1370-30-D	50 Kg/490 N	24 V DC	45 mA	50 mm	28 mm	277÷307 mm	330÷360 mm	Code 1351	1.45 Kg	N°2 protection diodes
1380-15-D	100 Kg/980 N	24 V DC	100 mA	60 mm	32.5 mm	127÷157 mm	185÷215 mm	Code 1361	1.43 Kg	N°2 protection diodes
1380-30-D	100 Kg/980 N	24 V DC	100 mA	60 mm	32.5 mm	277÷307 mm	335÷365 mm	Code 1361	1.68 Kg	N°2 protection diodes

Homologation certificates available on our website www.coopercsa.it

Accessories

1353-CSA	55 mm diameter adjustable keeper plate
1363-CSA	60 mm diameter adjustable keeper plate

Series 1370 / 1380

Floor and wall mounted electromagnetic door release unit

Aluminium electromagnetic door release unit for fire doors equipped with an release button. Thanks to two different core mounting positions, axial and perpendicular, and to the adjustable head within 30mm, both wall and floor mounting is possible.

The aluminium case with epoxy varnishing ensures a high robustness. The suitable cover of the base conceals the fixing screws to provide excellent aesthetic results. Provided with dual protection diode against disturbances and polarity reversals.

A built-in spring release allows residual magnetic forces to be overcome thus ensuring quick, reliable door release. The strong metallic structure and its versatile installation options make this door release unit an ideal solution for hospitals, hotels, shopping centres, and industrial warehouses. Provided with counter-plate.

Complies with UNI EN1155:2003.

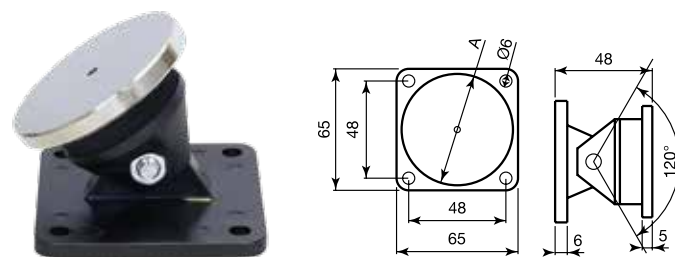
Accessories for electromagnetic door release units

1341-CSA / 1351-CSA / 1361-CSA / 1343-CSA / 1353-CSA / 1363-CSA / 13ST15 / 13ST25

2.2

1341-CSA / 1351-CSA / 1361-CSA

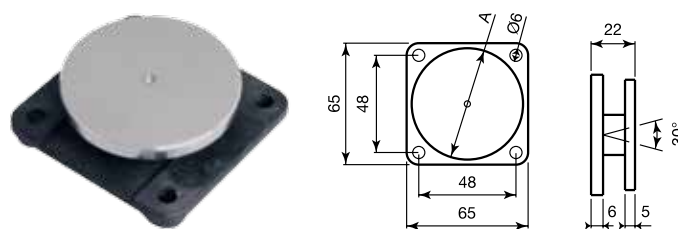
- Adjustable keeper plate for electromagnetic door release units
- Allows an overall plate angular range of 120°
- Provided with shock absorber
- Steel plate
- Black thermoplastic structure



	1341-CSA	1351-CSA	1361-CSA
A	45 mm	55 mm	60 mm

1343-CSA / 1353-CSA / 1363-CSA

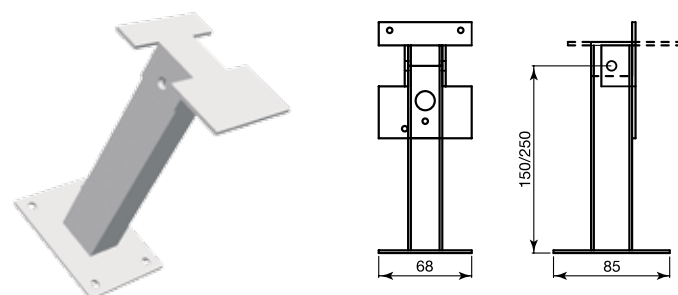
- Keeper plate for electromagnetic door release units
- Allows an overall plate angular range of 30°
- Slim design
- Provided with shock absorber
- Steel plate
- Black thermoplastic structure



	1343-CSA	1353-CSA	1363-CSA
A	45 mm	55 mm	60 mm

13ST15 / 13ST25

- Bracket for either floor or wall mounting of electro-magnets of the Series 13000 and 13100
- Steel sheet structure
- White epoxy painting



Order codes

Code	Description	Package weight	Applicability
1341-CSA	Adjustable keeper plate ø45 mm white	0.13 Kg	Series 13100
1343-CSA	Keeper plate ø45 mm white	0.11 Kg	Series 13100
1351-CSA	Adjustable keeper plate ø55 mm black	0.17 Kg	Electromagnetic door release units from 25 to 50 Kg (excluding 1365 and 1367)
1353-CSA	Keeper plate ø55 mm black	0.15 Kg	Electromagnetic door release units from 25 to 50 Kg (excluding 1365 and 1367)
1361-CSA	Adjustable keeper plate ø60 mm black	0.21 Kg	100 Kg electromagnetic door release units
1363-CSA	Keeper plate ø60 mm black	0.19 Kg	100 Kg electromagnetic door release units
13ST15	Floor/wall mounting 150 mm bracket	0.50 Kg	Series 13000. Series 13100
13ST25	Floor/wall mounting 250 mm bracket	0.65 Kg	Series 13000. Series 13100

REMOTE CONTROL OF ELECTROMAGNETIC DOOR RELEASE UNITS

Electromagnetic door release units can also be unlocked by a local button, by the control centre, by a key or by a remote control panel. The following codes can be used to this aim: 2495-CSA and 2498-R.

2.3

Call points Series CXM

2

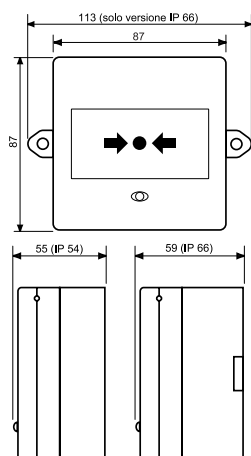


- Complies with UNI EN54-11
- Resettable and glass break versions
- Protection rating IP21C (IP 54) and IP 66
- Operation test with the supplied key

Series CXM

Housing material	Thermoplastic, red
Operation	Direct
Type of connection	6 terminals (3 double terminals for shunt)
Operating temperature	-10°C to +55°C for IP 21C (IP 54) versions -25°C to +70°C for IP 66 versions

Dimensions



Call point with door and strap
4990014FUL-0156



Series CXM

Call point EN54-11

Call point for the manual signalling of fires in compliance with EN54-11 The IP21C (IP54) and IP66 indoor models come with a resettable component and a spare break glass.

In the break glass version, pressing the centre of the glass (protected by a safety film) and breaking it will activate the alarm.

In the resettable version, pressing the centre of the plastic part will activate the alarm which will be signalled by a change in colour in zone above the same component. The supplied key, in addition to allowing call point to be reset (in the resettable version), also has key functions key and a tool for opening the call point. The silk screen printing is universal with the "press the centre" and "house in fire" symbols. A protective door strap is available as an accessory.

Complies with UNI EN54-11:2001 +A1:2005.

Order codes

Code	Contacts	Max contact current	Max contact voltage	Test	Element	Degree of protection	Package weight
4930010FUL-0048XC	1 changeover contact 3 A		9÷30 V DC	yes	resettable/glass break	IP21C (IP54)*	0.20 Kg
4990073FULL-0122X	1 changeover contact	3 A	9÷30 V DC	yes	glass break	IP66	0.32 Kg
4990074FULL-0174X	1 changeover contact	3 A	9÷30 V DC	yes	resettable	IP66	0.32 Kg

Homologation certificates available on our website www.coopercsa.it

* indicates the certified IP rating, the actual IP rating is shown between inverted commas

Accessories

516200FULL-5017	Spare break glasses for call points of the series CXM - (10pc./package)
4990014FUL-0156	Doors with straps - (10pc./package)
4990010FUL-0045	Replacement break glasses for call points of the series CXM - (10pc./package)



Protection rating IP54

- White and green versions
- Dual changeover contacts
- Signalling LED

Series 2495

Housing material	Thermoplastic in colours as per table
Door material	Thermoplastic, transparent
Operation	Direct
Type of connection	Clamping screws
Operating temperature	-10°C to +50°C

Series 2495

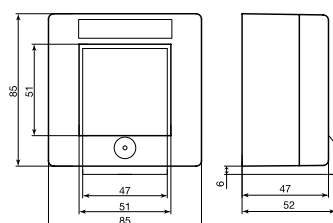
Glass break call point

Glass break call point with direct operation (the glass breaking automatically determines the activation of the alarm).

The glass, to be broken by simply pressing on it, is equipped with a specific safety film with normalised universal silk screen print.

To reset the call point, the glass must be replaced. Available in white and green.

Dimensions



2495-CSA



Order codes

Code	Contacts	Max. contacts current	Max. contacts voltage	LED	Colour	Package weight
2495-V	2 changeover contacts	3 A	75 V DC	yes	green	0.18 Kg
2495-CSA	2 changeover contacts	3 A	75 V DC	yes	white	0.18 Kg








Accessories

2.4



Warning devices

Selection guide






Acoustic warning

Photo	Series	Code	Protection rating	Conformity	Page
	5900 LX	5955-CSA	IP54	EN54-3	75
	ROLP	540501FULL-0389X	IP54	EN54-3	81
		540503FULL-0403X	IP65	EN54-3	81
	SQG3	666058FULL-0098X	IP21C (IP42)*	EN54-3	82
	SQUAHNI MICRO	587012FULL-0111X	IP21C (IP42)*	EN54-3	83
	SYMPHONI HO	651004FULL-0009X	IP21C (IP42)*	EN54-3	84
	GONG	52160LOGO-1702	IP21C (IP42)*	EN54-3	85
	F-BELL	506001FULL-6027	IP33C (IP55)*	EN54-3	86

Optical warning

Photo	Series	Code	Protection rating	Conformity	Page
	5900 LX	5945-CSA	IP54	EN54-23	75
	SOLISTA LX WALL	812013FULL-0114X	IP21C (IP42)*	EN54-23	87
		812005FULL-0107X	IP65	EN54-23	87

Optical/acoustic warning

Photo	Series	Code	Protection rating	Conformity	Page
	5900 LX	5965-CSA	IP54	EN54-3 / EN54-23	75
	ROLP LX WALL	8500025FULL-0025X	IP65	EN54-3 / EN54-23	79
	SYMPHONI LX WALL	8500045FULL-0045X	IP21C (IP42)*	EN54-3 / EN54-23	90
		8500050FULL-0050X	IP66	EN54-3 / EN54-23	90
	5000	O-5055-CSA	IP40	-	76
	5500	O-5555-CSA	IP65	-	77

* indicates the certified IP rating, the actual IP rating is shown between inverted commas

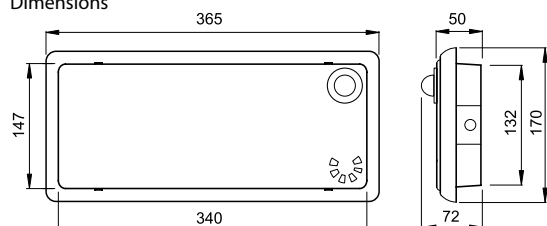


- Certified as per UNI EN54-3 and UNI EN54-23
- Area covered 8.5m
- Installation height up to 4.2m
- High power optical/acoustic sign board
- Protection rating IP54

Series 5900 LX

Installation category	Wall (Type W)
Coverage (y)	8.5m
Installation height (x)	4.2m
Coverage volume code	W-4.2-8.5
Coverage volume	303m ³ - 72.5m ²
Flash rate	0.77 Hz
Flash colour	White
Acoustic characteristics (for optical/acoustic models only)	Sound pressure 88dB (A) @1m Pulsating sound pressure 2160Hz ± 30Hz
Operating temperature	-10°C +50°C
Protection rating	IP54
Weight	0.9Kg
Housing material	Self-extinguishing white thermoplastic
Display	Wording displayed: "FIRE ALARM". The message is illuminated with LEDs display in the event of an alarm.

Dimensions



Series 5900 LX

Certified alarm panel

The 5900 LX Wall alarm device series was designed to show a state of alarm in fire detection units.

There are three versions available with optical, acoustic and optical-acoustic warnings.

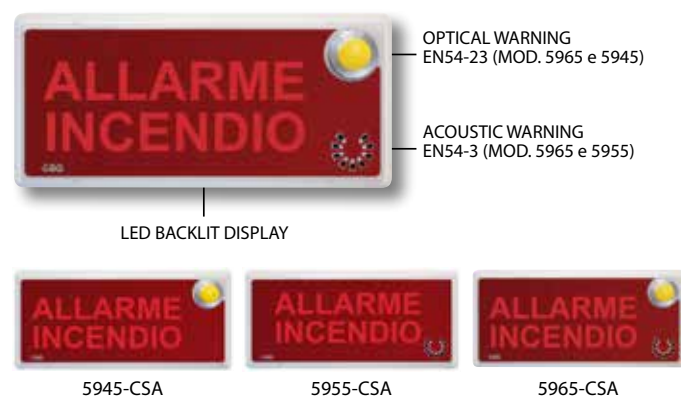
Optical warning is provided by a highly effective LED flash that can cover an area of 8.5 x 8.5m at an installation height of 4.2m.

Acoustic warning is provided by a high power internal siren with a sound pressure of 88 dB at 1m.

The device has a display which shows "FIRE ALARM" backlit by LEDs in the event of an alarm.

The IP 54 Protection rating allows use in indoor and outdoor environments including damp, dusty settings.

The 5900 LX Wall series complies with EN54-23 (optical part) and EN54-3 (acoustic part).



Order codes

Code	Optical alarm warning	Acoustic alarm warning	Display lighting	Nominal voltage	Power consumption @ 24 V	Package weight
5945-CSA	YES	NO	LEDs	24 V DC	120 mA	0.9 Kg
5955-CSA	NO	YES	LEDs	24 V DC	100 mA	0.9 Kg

2.5

Optical/acoustic sign boards

Series 5000

2

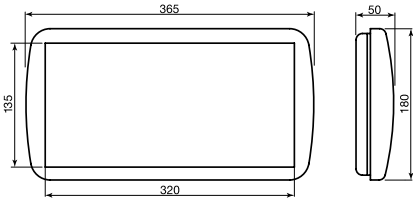


- Thermoplastic self-extinguishing frame
- Power supply 12/24 V DC
- Steady or flashing light
- High sound power buzzer
- LED backlighting

Series 5000

Housing material	Self-extinguishing white thermoplastic (hot wire 850°C)
Buzzer material	Self-extinguishing polycarbonate, transparent
Type of connection	Terminals
Operating temperature	-10°C to +50°C
Protection rating	IP40
Buzzer characteristics	Buzzer sound pressure: at 1 m 100 dB @ 12V - 108 dB @ 24V Frequency 3200 Hz Pulsating sound: 0,25 s ON - 0,25 s OFF

Dimensions



Order codes

Code	Nominal voltage	Nominal current	Lamp	Flash frequency	Package weight
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Series 5000

IP40 optical/acoustic panel

Optical/acoustic sign boards, suitable for all types of risk conditions such as fire, flooding, gas leaks, etc., whenever visual and acoustic information are needed.

The notably elegant and pleasing design is suited to installations in hotels, shops, shopping centres, cinemas. 5000 series alarm panels are available with a high visibility LED lighting system and high sound pressure buzzers.

All versions come with the wording “FIRE ALARM” display though other wording in other languages can be ordered as an accessory.

5000 series illuminated panels do not replace optical warning devices within fire detection units.

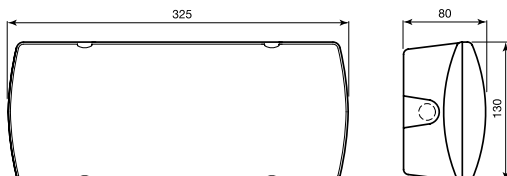


- Thermoplastic self-extinguishing frame
- Protection rating IP 65
- Power supply 12/24 V DC
- Steady or flashing light
- High sound power buzzer
- LED backlighting

Series 5500

Housing material	Self-extinguishing white thermoplastic (hot wire 850°C)
Buzzer material	Self-extinguishing polycarbonate, transparent
Type of connection	Terminals
Operating temperature	-10°C to +50°C
Protection rating	IP65
Buzzer characteristics	Buzzer sound pressure: at 1 m 100 dB @ 12V - 108 dB @ 24V Frequency 3200 Hz Pulsating sound: 0,25 s ON - 0,25 s OFF

Dimensions



Order codes

Code	Nominal voltage	Nominal current	Lamp	Flashing frequency	Package weight
O-5555-CSA	From 10.8 V DC to 28 V DC	66 mA @ 12 V DC 58 mA @ 24 V DC	High brightness LED	steady light or 60/min	0.90 Kg

Series 5500

IP65 optical/acoustic panel

Optical/acoustic sign board for outdoor use available in various versions, suitable for all types of risk conditions such as fire, flooding, gas leaks, etc., whenever visual and acoustic information are needed.

The IP 65 Protection rating allows use in indoor and outdoor environments including damp, dusty settings.

5500 series alarm panels are available with a high visibility LED lighting system and high sound pressure buzzers.

All versions come with the wording "FIRE ALARM" display though other wording in other languages can be ordered as an accessory.

5500 series illuminated panels do not replace optical warning devices within fire detection units.

2.5

Optical/acoustic sign boards

Available writings

Wording for 5000 series panels (available individually)

2

ITALIAN	ALLARME INCENDIO CSA08660	ALLARME GAS CSA08661	ALLARME CSA08662	SPEGNIMENTO IN CORSO CSA08663	ABBANDONARE IL LOCALE CSA08664	EVACUARE IL LOCALE SPEGNIMENTO AUTOMATICO IMMINENTE CSA08659
FRENCH	ALLARME CSA08670	EVACUATION IMMEDIATE CSA08671	ENTREE INTERDITE CSA08672			
ENGLISH	HAZARDOUS AREA CSA08665	EXTINGUISHING IN PROGRESS CSA08666	ALARM CSA08667	FIRE ALARM CSA08668	DO NOT ENTER CSA08669	DOOR CLOSING CSA0866A
GERMAN	EINTRITT VERBOTEN CSA08673	FEUERALARME CSA08674	TIEFGARAGE SOFORT VERLASSEN CSA08675	BETRETEN VERBOTEN GASALARME CSA08676		
SPANISH	EXTINCION DISPARADA CSA08677	MONOXIDO DE CARBONO CSA08678	GAS DISPARADO CSA08679	FUEGO CSA08682	INCENDIO CSA08684	ATMOSFERA PELIGROSA CSA08689A
PORTUGUESE	EXTINCAO ACTUADA CSA08688	ATMOSFERA PERIGOSA CSA08689	ATMOSFERA EXPLOSIVA CSA08689B	FOGO CSA08683		
MISCELLANEOUS	FIRE INCENDIO CSA08653	NON ENTRARE DO NOT ENTER CSA08643	EVACUAZIONE EVACUATION CSA08642	VIETATO FUMARE CSA08645	VIETATO FUMARE PER IL GUASTO ALL'IMPIANTO DI VENTILAZIONE CSA08646	AREA PER FUMATORI CSA08647

Wording for 5500 series panels (available individually)

ITALIAN	ALLARME INCENDIO CSA08660W	ALLARME CSA08662W	ABBANDONARE IL LOCALE CSA08664W		
FRENCH	EVACUATION IMMEDIATE CSA08671W	ENTREE INTERDITE CSA08672W			
ENGLISH	ALARM CSA08667W	FIRE ALARM CSA08668W	PLEASE EVACUATE CSA08691W		
PORTUGUESE	ATMOSFERA PERIGOSA CSA08689W	ATMOSFERA EXPLOSIVA CSA08689BW	FOGO CSA08683W		
SPANISH	EXTINCION DISPARADA CSA08677W	GAS DISPARADO CSA08679W	FUEGO CSA08682W	INCENDIO CSA08684W	ATMOSFERA PELIGROSA CSA08689AW

Wording for 5900 LX series (available individually)

ITALIAN	ALLARME INCENDIO	ABBANDONARE IL LOCALE	SPEGNIMENTO IN CORSO
Mod. 5955-CSA	CSA08584	CSA08587	CSA08589
Mod. 5945-CSA	CSA08584-2	CSA08587-2	CSA08589-2
Mod. 5965-CSA	CSA08584-1	CSA08587-1	CSA08589-1



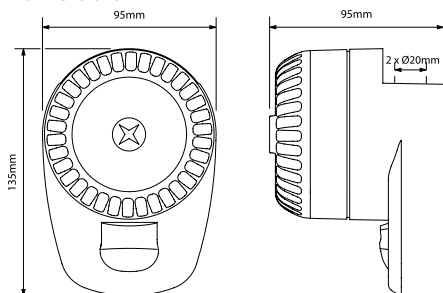
- Certified as per UNI EN54-3 and UNI EN54-23
- Choice of coverage areas - 7.5m or 2.5m
- Installation height up to 2.4m
- Patented light diffusion technology
- For exterior and interior light settings

Series RoLP LX Wall

Installation category	Wall (Type W)
Voltage	18-28 V DC (fire) 9-15 V DC (fire) 9-28 V DC (not for fire use)
Coverage (y)	Choice of 7.5m or 2.5m
Installation height (x)	2.4m (maximum)
Coverage volume code	W-2.4-7.5 (W-2.4-2.5)
Coverage volume	135m ³ (15m ³)
Flash rate	1Hz (adjustable to 0.5Hz)
Operating temperature	-25°C +70°C

Data subject to modifications, see updates at www.coopercsa.it

Dimensions



Order codes

Code	Device colour	Flash colour	Coverage volume	Installation height	Power consumption @ 24 V	Sound pressure	Protection rating	Package weight
8500025FULL-0025X	Red	Red	7.5m or 2.5m	2.4m	22mA (2.5m 0.5Hz) 28mA (2.5m 1Hz) 28mA (7.5m 0.5Hz) 37mA (7.5m 1Hz)	102dB @ 1m	IP65	0.2 Kg

Homologation certificates available on our website www.coopercsa.it

Series RoLP LX Wall

Optical/acoustic warning device

The RoLP LX Wall alarm device series was designed to show a state of alarm in fire detection units and to provide optical and acoustic warnings in a single device.

With its functional and modern design, the RoLP LX Wall is available for interior and exterior use and is suited to a wide range of applications.

The high power LED flash can cover an area of 7.5 x 7.5m at an installation height of 2.4m. The coverage area can be decreased to 2.5 x 2.5m to reduce power consumption to just 22mA.

The RoLP LX Wall system complies with EN54-23 and EN54-3.

Benefits

- Provides the minimum lighting requirements set by standards of 0.4lx in an area of 7.5 x 7.5m
- Option of decreasing power consumption by up to 50% by reducing coverage area to 2.5 x 2.5m
- Flashing long-life LEDs with low power consumption
- Simplified installation and removal thanks to bayonet bulb fittings
- Also suitable for outdoor use

2.6

Optical/acoustic warning devices

Series Symphoni LX Wall

2



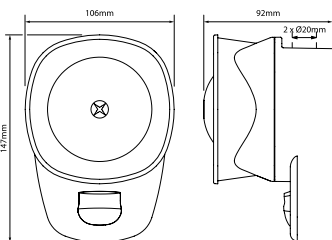
- Complies with UNI EN54-3 and UNI EN54-23
- Choice of coverage areas - 7.5m or 2.5m
- Installation height up to 2.4m
- Patented light diffusion technology
- Version IP21C (IP42) and IP66

Series Symphoni LX Wall

Installation category	Wall (Type W)
Voltage	18-28 V DC (fire) 12-28 V DC (not for fire use)
Coverage (y)	Choice of 7.5m or 2.5m
Installation height (x)	2.4m (maximum)
Coverage volume code	W-2.4-7.5 (W-2.4-2.5)
Coverage volume	135 m ³ (15 m ³)
Flash rate	1Hz (adjustable to 0.5 Hz)
Operating temperature	-10°C +55°C

Data subject to modifications, see updates at www.coopercsa.it

Dimensions



Symphoni LX Wall IP66



Series Symphoni LX Wall

Optical/acoustic warning device

The Symphoni LX Wall alarm device series was designed to show a state of alarm in fire detection units and to provide optical and acoustic warnings in a single device.

With its functional and modern design, the Symphoni LX Wall is available for interior and exterior use and is suited to a wide range of applications.

The high power LED flash can cover an area of 7.5 x 7.5m at an installation height of 2.4m. The coverage area can be decreased to 2.5 x 2.5m to reduce power consumption to just 15mA.

The Symphoni LX Wall system complies with EN54-23 and EN54-3.

Benefits

- Provides the minimum lighting requirements set by standards of 0.4lx in an area of 7.5 x 7.5m
- Option of decreasing power consumption by up to 50% by reducing coverage area to 2.5 x 2.5m
- Flashing long-life LEDs with low power consumption
- Simplified installation and removal thanks to bayonet bulb fittings
- Also suitable for outdoor use

Order codes

Code	Device colour	Flash colour	Coverage volume	Installation height	Power consumption @ 24 V	Sound pressure	Protection rating	Package weight
8500045FULL-0045X	Red	Red	7.5m or 2.5m	2.4m	15mA (2.5m 0.5Hz) 21mA (2.5m 1Hz) 21mA (7.5m 0.5Hz) 30mA (7.5m 1Hz)	100dB @ 1m	IP21C (IP42)*	0.2 Kg
8500050FULL-0050X	Red	Red	7.5m or 2.5m	2.4m	15mA (2.5m 0.5Hz) 21mA (2.5m 1Hz) 21mA (7.5m 0.5Hz) 30mA (7.5m 1Hz)	100dB @ 1m	IP66	0.2 Kg

Homologation certificates available on our website www.coopercsa.it

* indicates the certified IP rating, the actual IP rating is shown between inverted commas



- Complies with UNI EN54-3
- 32 selectable tones
- Second tone for two-stage alarms
- Volume adjustment
- IP54 and IP65 versions
- Power supply from 9 to 28 V DC

Series ROLP

Housing material	Thermoplastic, red
Type of connection	Double terminals (6) for shunting

Series ROLP

Electronic sounder

Electronic sounder for fire alarm systems characterized by a high sound power and reduced consumption.

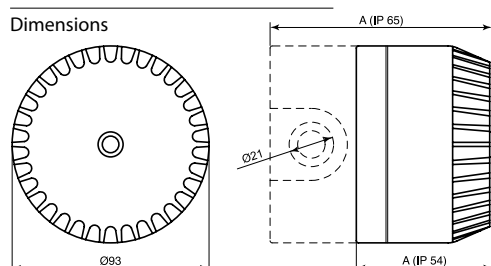
The compact aesthetics make it ideal for any type of environment. The internal electronic components are covered by a polyurethane resin cover which provide both protection and robustness.

Available in the IP54 (thin base) e IP65 (thick base) version.

Installation is made simple thanks to the bayonet coupling on the relevant base and to doubled terminals which allow connections to be shunted.

The ROLP sounder is equipped with 32 dip-switch selectable tones and with volume adjustment.

Complies with UNI EN54-3:2000 +A1:2002.



Order codes

Code	Nominal voltage	Nominal current	Allowed voltage	Sound pressure at 1 m	N° tones	Height A	Degree of protection	Package weight
540501FULL-0389X	12-24 V DC	32 mA max	9÷28 V DC	102 dB @ 24 V DC	32	63 mm	IP54	0.24 Kg
540503FULL-0403X	12-24 V DC	32 mA max	9÷28 V DC	100 dB @ 24 V DC	32	91 mm	IP65*	0.34 Kg

For the tones please refer to the Sounder Tones Table

* To obtain the indicated protection rating, use a suitable cable gland.

Homologation certificates available on our website www.coopercsa.it

Accessories

593005FULL-0027	Thin red base (IP54)
590014FULL-0059	Thick red base (IP65)

2.7

Warning devices - Sirens

SQG3

2



- Complies with UNI EN54-3
- Ceiling mounting
- Allows detectors to be coupled
- Compact design
- 8 selectable tones
- Power consumption reduced to just 4/5mA

SQG3

Housing material	Thermoplastic, white
Type of connection	Terminals
Operating temperature	-10°C to +55°C

Wiring and tone selection



SQG3 combined with smoke detector



SQG3

Electronic sounder

White electronic siren for ceiling mounting with very low power consumption of just 4/5mA.

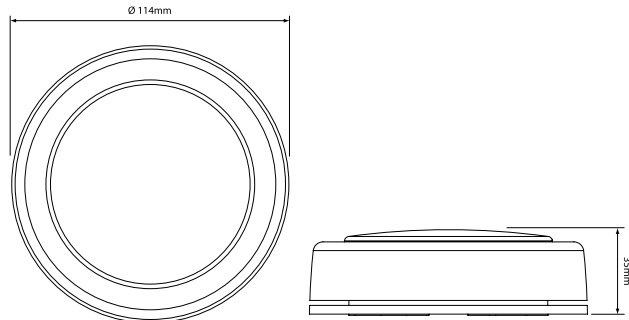
Its large flat surface means that it can be paired with most of the detectors available on the market and offers a discreet solution for all types of settings.

The internal electronic components are covered by a polyurethane resin cover which provide both protection and robustness.

The SQG3 siren offers a choice of 8 tone and has a dipswitch and adjustable volume.

Certified as per UNI EN54-3:2000 +A1:2002.

Dimensions



Order codes

Code	Nominal voltage	Nominal current	Allowed voltage	Sound pressure at 1 m	N° tones	Colour	Degree of protection	Package weight
666058FULL-0098X	24 V DC	4/5 mA	18-28 V DC	90 dB	8	white	IP21C (IP42)*	0.16 Kg

* indicates the certified IP rating, the actual IP rating is shown between inverted commas

Homologation certificates available on our website www.coopercsa.it

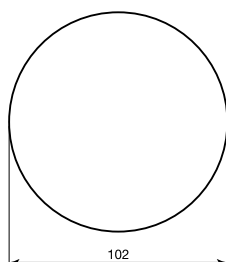


- Complies with UNI EN54-3
- Ceiling mount installation
- Exceptionally thin
- For 12 and 24 V DC systems

Series SQUASHNI MICRO

Housing material	Thermoplastic, red or white
Type of connection	6 terminals
Operating temperature	-10°C to +55°C

Dimensions



587011FULL-0110X



Series SQUASHNI MICRO

Electronic sounder for ceiling

Electronic sounder for ceiling mounting characterized by a high sound power and reduced consumption.

The compact aesthetics make it ideal for any type of environment. The internal electronic components are covered by a polyurethane resin cover which provide both protection and robustness.

Installation is made simple thanks to the quick-fit front cover and to doubled terminals which allow connections to be shunted.

The ROSHNI sounder is equipped with 4 dip-switch selectable tones and with volume adjustment. Available in red and white.

Complies with UNI EN54-3:2000 +A1:2002.

Order codes

Code	Nominal voltage	Nominal current	Allowed voltage	Sound pressure at 1 m	N° tones	Colour	Degree of protection	Package weight
587012FULL-0111X	12-24 V DC	15 mA max	9÷30 V DC	99 dB @ 24 V DC	4	red	IP21C (IP42)*	0.16 Kg
587011FULL-0110X	12-24 V DC	15 mA max	9÷30 V DC	99 dB @ 24 V DC	4	white	IP21C (IP42)*	0.16 Kg

* indicates the certified IP rating, the actual IP rating is shown between inverted commas

Homologation certificates available on our website www.coopercsa.it

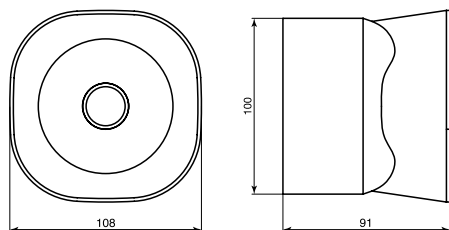


- Complies with UNI EN54-3
- Very high efficiency
- 32 selectable tones
- For indoor use
- Sound emission up to 120 dB
- For 12 and 24 V DC systems

Series SYMPHONI HO

Housing material	Thermoplastic, red or white
Type of connection	Terminals

Dimensions



Order codes

Code	Nominal voltage	Nominal current	Allowed voltage	Sound pressure at 1 m	N° tones	Colour	Degree of protection	Package weight
651004FULL-0009X	12-24 V DC	260 mA	9÷28 V DC	120 dB**	32	Red	IP21C (IP42)*	0.58 Kg

For the tones please refer to the Sounder Tones Table

* indicates the certified IP rating, the actual IP rating is shown between inverted commas

* With tone n. 6

Series SYMPHONI HO

Trumpet electronic sounder

Electronic sounder for ceiling mounting characterized by a high sound power and reduced consumption.

Thanks to the high sound emission, up to 120dB, it is recommended in large environments or in environments with a high background noise.

The internal electronic components are covered by a polyurethane resin cover which provide both protection and robustness. Back case with double cable input and double terminals for the shunting of the connections.

The SYMPHONY sounder is equipped with 32 dip-switch selectable tones and with volume adjustment.

Complies with UNI EN54-3:2000 +A1:2002.

Homologation certificates available on our website www.coopercsa.it

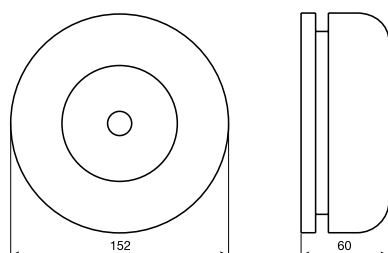


- Complies with UNI EN54-3
- For indoor use
- Steel dome
- High output drive
- Low current consumption
- Available with 6" diameter

Series GONG

Dome material	Red enamelled steel
Base material	Polycarbonate, black
Type of connection	Terminals n. 4 x 2.5 mm ²

Dimensions



Order codes

Code	Diameter	Nominal voltage	Nominal current	Allowed voltage	Acoustic pressure at 1 m	Degree of protection	Package weight
521601LOGO-1702	6 inches	24 V DC	25 mA	20÷28 V DC	93/95 dB	IP21C (IP42)*	0.85 Kg

Homologation certificates available on our website www.coopercsa.it

* indicates the certified IP rating, the actual IP rating is shown between inverted commas

Series GONG

Classic bell

Classic bell for fire alarm, security, industrial systems and other signalling purposes.

The internal power driven movement, with pinion and pin attached to the external steel bell, produces a powerful sound with a low current consumption. The larger the diameter of the bell, the higher the acoustic output.

Available with 6 inch diameter bell

Generally used inside industrial buildings, warehouses and shopping centres to sound fire warnings

The power supply terminals are doubled in order to facilitate installation. The bells are equipped with two diodes for the line monitoring system.

Complies with UNI EN54-3:2000 +A1:2002.

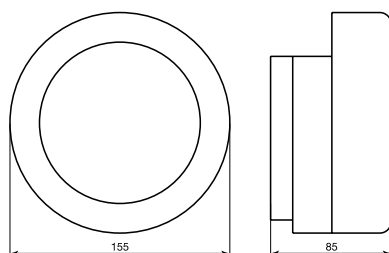


- Certified as per UNI EN54-3
- For outdoor use
- 6" steel dome diameter
- Integrated control circuit
- Low current consumption

Series F-Bell

Bell material	Red enamelled steel
Base material	Polycarbonate, black
Type of connection	Terminals n. 4 x 2.5 mm ²

Dimensions



Order codes

Code	Diameter	Nominal voltage	Nominal current	Allowed voltage	Acoustic pressure at 1 m	Degree of protection	Package weight
506001FULL-6027	6 inches	24 V DC	25/35 mA	18÷30 V DC	95 dB	IP33C (IP55)*	1.1 Kg

Homologation certificates available on our website www.coopercsa.it

* indicates the certified IP rating, the actual IP rating is shown between inverted commas

Series F-Bell

Electronic bell IP 55

Red 6" electronic bell for fire alarm, security, industrial systems and other signalling purposes.

The combination of a miniaturised solenoid and an integrated control circuit provides excellent acoustic performance, very low power consumption and superb reliability.

Installation is fast and easy thanks to the dome's snap action hook and the doubled power supply terminals.

The IP 55 Protection rating allows usage in outdoor environments but the excellent aesthetic appeal also makes it suited to very prestigious indoor environments.

Complies with UNI EN54-3:2000 +A1:2002.

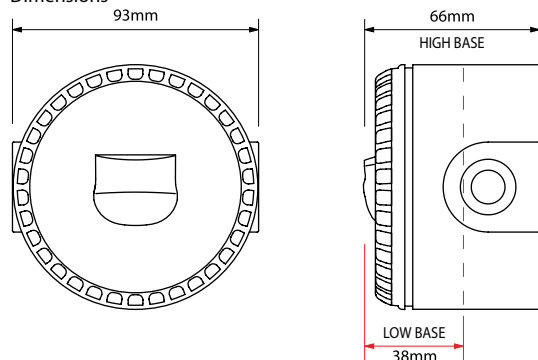


- Complies with UNI EN54-23
- Choice of coverage areas - 7.5m or 2.5m
- Installation height up to 2.4m
- Patented light diffusion technology
- For exterior and interior light settings

Series Solista LX Wall

Installation category	Wall (Type W)
Voltage	9-60 V DC
Coverage (y)	Choice of 7.5m or 2.5m
Installation height (x)	2.4m (maximum)
Coverage volume code	W-2.4-7.5 (W-2.4-2.5)
Coverage volume	135m ³ (15m ³)
Flash rate	1Hz (adjustable to 0.5Hz)
Operating temperature	-25°C +70°C

Dimensions



Order codes

Code	Device colour	Flash colour	Coverage volume	Installation height	Power consumption @ 24 V	Degree of protection	Package weight
812013FULL-0114X	Red	Red	7.5m or 2.5m	2.4m	10mA (2.5m 0.5Hz) 16mA (2.5m 1Hz) 16mA (7.5m 0.5Hz) 25mA (7.5m 1Hz)	IP21C (IP42)*	0.1 Kg
812005FULL-0107X	Red	Red	7.5m or 2.5m	2.4m	10mA (2.5m 0.5Hz) 16mA (2.5m 1Hz) 16mA (7.5m 0.5Hz) 25mA (7.5m 1Hz)	IP65	0.1 Kg

Homologation certificates available on our website www.coopercsa.it

* indicates the certified IP rating, the actual IP rating is shown between inverted commas

Series Solista LX Wall

Flashing LED lights

The Solista LX Wall alarm device series was designed to show a state of alarm in fire detection units.

With its functional and modern design, the Solista LX Wall is available for interior and exterior use and is suited to a wide range of applications.

The high power LED flash can cover an area of 7.5 x 7.5m at an installation height of 2.4m.

The Solista LX Wall system complies with EN54-23.

Benefits

- Provides the minimum lighting requirements set by standards of 0.4lx in an area of 7.5 x 7.5m
- Option of decreasing power consumption by up to 50% by reducing coverage area to 2.5 x 2.5m
- Flashing long-life LEDs with low power consumption
- Simplified installation and removal thanks to bayonet bulb fittings
- Also suitable for outdoor use

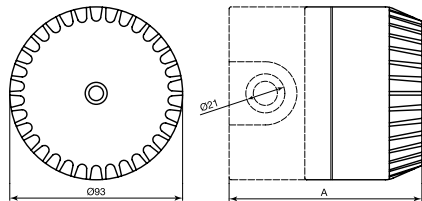


- Xenon lamp
- Low current consumption
- Automatic synchronization
- Various colours available
- Protection rating IP 54 and IP 33C (IP 65)
- For indoor and outdoor use

Series SOLEX

Base material	Thermoplastic
Dome material	Polycarbonate
Lamp	Xenon 10cd
Type of connection	Double terminals (4) for shunting (6 terminals for code 531044FULL-1003)

Dimensions



Series SOLEX

Xenon beacon

High efficiency beacon with Xenon lamp. Its functions, such as the wide range of power supply from 9 to 60 V DC, automatic synchronisation and especially the low power consumption make SOLEX the ideal solution for any type of optical signalling.

The bayonet base is designed to simplify mounting and is also compatible with ROLP series sounders.

Two different types of bases are available, the slim (65 mm) model allows unobtrusive installation with a minimal visual impact and an IP 54 rating, the thicker model (93 mm) allows installation with an IP 33C (IP 65) rating.

The 531044FULL-1003 model is tamper-proof.

Order codes

Code	Power supply voltage	Nominal current	Flash frequency	Height A	Base colour	Dome colour	Protection rating	Package weight	Notes
531027FULL-0151	9-60 V DC	88mA@24 V DC	1 Hz	65 mm	White	Amber	IP54	0.15 Kg	
531044FULL-1003	9-60 V DC	88mA@24 V DC	1 Hz	65 mm	White	Amber	IP54	0.15 Kg	with tamper protection
531027FULL-0085	9-60 V DC	88mA@24 V DC	1 Hz	93 mm	White	Amber	IP33C (IP65)*	0.18 Kg	
531034FULL-0106	9-60 V DC	88mA@24 V DC	1 Hz	65 mm	White	Blue	IP54	0.15 Kg	
531034FULL-0090	9-60 V DC	88mA@24 V DC	1 Hz	93 mm	White	Blue	IP33C (IP65)*	0.18 Kg	
531035FULL-0180	9-60 V DC	88mA@24 V DC	1 Hz	65 mm	White	Green	IP54	0.15 Kg	
531035FULL-0091	9-60 V DC	88mA@24 V DC	1 Hz	93 mm	White	Green	IP33C (IP65)*	0.18 Kg	

* indicates the certified IP rating, the actual IP rating is shown between inverted commas. The IP 65 rating is only guaranteed if suitable cable glands are used.

Accessories

593006FULL-0118	Thin white base
593002FULL-0017	Thick white base



- Wall or flush mounting
- Red, green, yellow LED
- Power supply at 12 or 24 V DC
- Very low power consumption
- Optical-acoustic versions (with Buzzer)

Series 1420

Housing material	Thermoplastic, white
Front material	Anodized aluminium
Type of connection	Wire terminals (2 per each element)
Buzzer characteristics	75 dB at 50 cm continuous sound 3300 Hz
Operating temperature	-20°C to +60°C

Series 1420

Optical-acoustic repeater

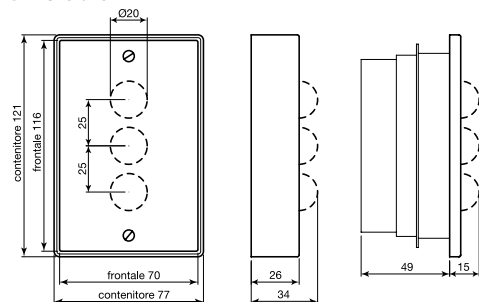
Optical and optical-acoustic repeater with low power consumption LED suited to a wide range of applications in signalling alarms, anomalies, on-off, traffic lights, etc.

Combinations of red, green or yellow LED elements and the buzzer are available up to a max of three elements.

The light of the LEDs, having a wide visibility angle, can be steady or blinking to be selected by an internal jumper, while the buzzer provides a continuous sound of suitable power.

Specifically designed to go with the commonly seen switch backplates and available in both wall mounting and flush fit versions using a Bticino type 503 box (version I).

Dimensions



Order codes

Code	Nominal voltage	LED current	Buzzer current	Buzzer	LED colour	Flash frequency	Package weight	Notes
1423CSA	24 V DC	10 mA per LED	-	no	red + green + yellow	steady light or 60/min	0.11 Kg	
1423-12	12 V DC	10 mA per LED	-	no	red + green + yellow	steady light or 60/min	0.11 Kg	
1423-BZ	24 V DC	10 mA per LED	12 mA	yes	red + green	steady light or 60/min	0.13 Kg	
1423-BZ-12	12 V DC	10 mA per LED	12 mA	yes	red + green	steady light or 60/min	0.13 Kg	
1423-BZ-I	24 V DC	10 mA per LED	12 mA	yes	red + green	steady light or 60/min	0.13 Kg	flush fitting

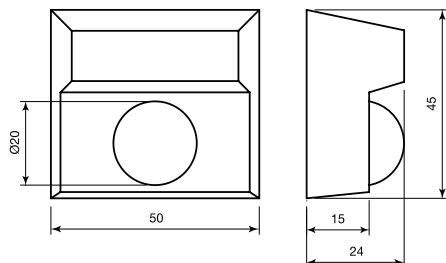


- Exceptional value for money
- Small size
- High visibility red, green and yellow LED
- Power supply at 12 and 24 V DC
- Optical-acoustic versions (with Buzzer)

Series 1490

Housing material	Thermoplastic, white
Type of connection	Terminals
Buzzer characteristics	75 dB at 30 cm continuous or pulsating sound 2300 Hz 0.5s On – 0.5s Off
Operating temperature	-20°C to +60°C
Protection rating	IP40
Standard equipment	Double-sided tape for fitting

Dimensions



Order codes

Code	Nominal voltage	LED current	Buzzer current	Buzzer	LED colour	Flash frequency	Package weight
O-1490R	12-24 V DC	10 mA	-	no	red	steady light	0.06 Kg
O-1490V	12-24 V DC	20 mA	-	no	green	steady light	0.06 Kg
O-1490G	12-24 V DC	20 mA	-	no	yellow	steady light	0.06 Kg
O-1490CR	12-24 V DC	10 mA*	-	no	red	steady light or 60/min	0.06 Kg
O-1490CV	12-24 V DC	20 mA*	-	no	green	steady light or 60/min	0.06 Kg
O-1490CG	12-24 V DC	20 mA*	-	no	yellow	steady light or 60/min	0.06 Kg
O-1490BZR	12-24 V DC	10 mA*	20 mA*	yes	red	steady light or 60/min	0.07 Kg
O-1490BZV	12-24 V DC	20 mA*	20 mA*	yes	green	steady light or 60/min	0.07 Kg
O-1490BZG	12-24 V DC	20 mA*	20 mA*	yes	yellow	steady light or 60/min	0.07 Kg

* With intermittent operation the average current consumption is down by half.

Series 1490

Compact optical-acoustic repeater

Compact size and low power consumption optical-acoustic repeater for the remote signalling of alarms, failures or other by means of high visibility LEDs.

Suited for the joint use with smoke and/or thermal detectors installed in false ceilings or floating floors, whenever external signalling is required.

Versions with the suffix BZ are fitted with an internal buzzer for giving optical-acoustic warnings with either a constant sound or a flashing light.

The device can be powered at either 12 or 24 V DC.

Available in red, yellow and green; comes fitted with a wide light diffusion that is to easily visible from any direction.

Installation is quick and simple thanks to the terminal connections and the possibility of fixing the device using the supplied double-sided tape.

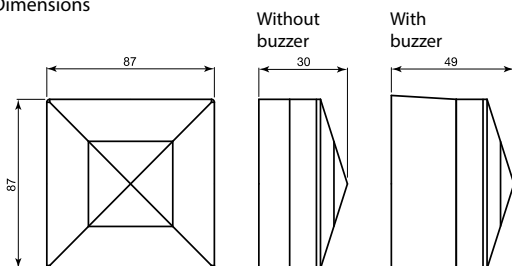


- High visibility red LED
- Power supply from 7 to 24 V DC
- Versions with Buzzer

Series 1491

Housing material	Thermoplastic, white
Type of connection	Terminals
Buzzer characteristics	65 dB at 1 m pulse 2300 Hz 0,5s On - 0,5s Off
Operating temperature	-10°C to +60°C
Protection rating	IP40

Dimensions



Series 1491

Optical-acoustic repeater

Optical and optical-acoustic repeaters with low power consumption for the signalling of alarms, failures or other using high visibility LEDs.

Suited for the joint use with smoke and/or thermal detectors installed in false ceilings or floating floors, whenever external signalling is required. The device can be powered by a supply ranging from 7 to 24 V DC

and comes with a wide light diffusion system which makes it visible from any direction. Versions with and without buzzer.

Order codes

Code	Nominal voltage	LED current	Overall consumption	Buzzer	LED colour	Flash frequency	Package weight
NUG30360	7 - 24 V DC	10 mA	-	no	red	60/min	0.08 Kg
600116FUL-0000	7 - 24 V DC	10 mA	17 mA @ 24 V	yes	red	60/min	0.1 Kg

2.11

Key boxes and disconnecting switches

1492 / 1493

2

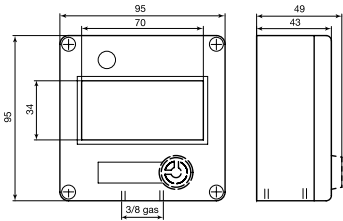


- Die-cast aluminium box
- Hammer included
- Version with key assembly

1492 / 1493

Housing material	Die-cast aluminium, epoxy painting
Type of connection	Terminals for glass break contact, solder terminals for key blocks
Operating temperature	-10°C to +50°C
Protection rating	IP40
Standard equipment	Test key, external screws in stainless steel, cableway plug, 2 x spare break glasses

Dimensions



1493-1512



1492 / 1493

Glass break key box

Glass break key box, for keeping and making available the operating key for external command blocks in cases of emergency.

The key is protected by a glass that must be broken using the specific hammer (supplied), the glass breaking is signalled by an internal changeover micro switch.

The robust aluminium frame makes this key box suited to any type of indoor environment. The model 1493-1512 is equipped with an integrated key assembly with dual changeover contact (overall 6 terminals) and three supplied keys (keys are all identical).

For the connection a threaded 3/8 gas cableway is available.

Order codes

Code	Glass break contact	Key blocking contact	Case colour	Package weight	Notes
1492-CSA	changeover max 75 V DC / 3 A	-	red	0.51 Kg	
1493-1512	changeover max 75 V DC / 3 A	dual changeover max 75 V DC / 3 A	red	0.57 Kg	N° 3 identical keys

Accessories

1494-CSA	Spare break glasses
CSA07960	Spare lock for 1493-1512

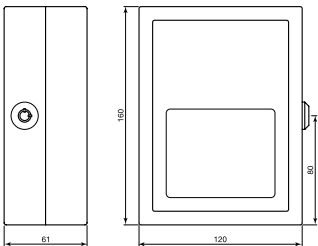


- Metal case
- For keys of any size
- Key access by lock or glass break
- Three way protection

1498

Housing material	Steel plate, epoxy painting
Type of connection	Terminals
Operating temperature	-10°C to +50°C
Protection rating	IP30
Standard equipment	2 sets of keys for opening lid

Dimensions



Order codes

Code	Lid opening contact	Key removal contact	Case colour	Package weight	Notes
1498-SA	NC max 75 V DC / 3 A	NC max 75 V DC / 3 A	red	0.75 Kg	silk screen printed glass*

* silk screen print: "IN CASE OF EMERGENCY BREAK THE GLASS AND TAKE THE KEY"

Accessories

1498-VR	Spare glass
CSA06632	Spare lock for the Series 1498

1498

Key box

Key box suited to contain keys of any size.

A micro-switch detects when the lid is opened while a second micro-switch detects when the keys are removed. These switches can be connected independently of the external supervision and/or monitoring systems using a 6-pole terminal block.

Closing and opening is operated by using a key (supplied in two units), in case of emergency the keys can be reached by breaking the glass.

Robust metallic frame to make the product suited for installation in any indoor environment.

2

2.11

Key boxes and disconnecting switches

2490

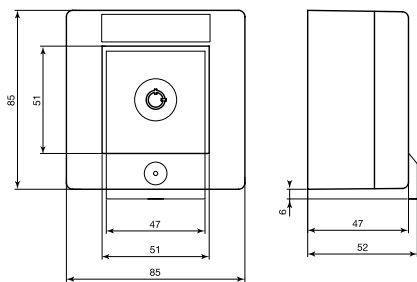


- Dual changeover contact
- Operated using a key
- Sealed door

2490

Housing material	Thermoplastic in colours as per table
Door material	Thermoplastic, transparent
Type of connection	Solder terminals
Operating temperature	-10°C to +50°C
Protection rating	IP53
Standard equipment	Set of three keys (identical for all products)

Dimensions



2490

Key operated disconnecting switch

Round key operated disconnecting switch in a thermoplastic case.

The key block is equipped with a dual changeover contact with overall 6 terminals individually accessible.

This product is suited to a variety of applications including for instance: opening alarm circuits, blocking devices, etc.

The transparent protective door can be sealed as a deterrent against possible break-ins.

Order codes

Code	Type of contact	Max. contact voltage	Max. contact current	Case colour	Package weight
2490-CSA	dual changeover	75 V DC	3 A	red	0.23 Kg

Accessories

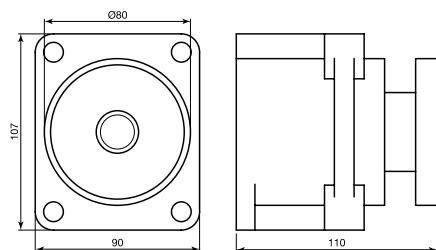


- Glass break
- Explosion-proof
- IP65
- N° 2 cableway holes for 3/4 NPT hoses
- Hammer supplied
- Versions with direct and indirect activation

Series 1460

Housing material	Die-cast aluminium, red epoxy painting
Type of connection	4 clamping screws
Cableway holes	2 x 3/4 NPT
Operating temperature	-20°C to +50°C
Protection rating	IP65
Classification and certification	II 2GD EEx d IIB T6, EEx d IIB+H2 T6 certif. CESA 03 ATEX 050
Standard equipment	Hammer

Dimensions



Order codes

Code	Contacts	Max. contact current	Max. contact voltage	Activation type	Package weight	Notes
1460-CSA	1 NA + 1 NC	10 A	380V AC	Indirect	1.1 Kg	Italian/English writings
1460-FR-IN	1 NA + 1 NC	10 A	380V AC	Indirect	1.1 Kg	French/English writings
1460-A	1 NA + 1 NC	10 A	380V AC	Direct	1.1 Kg	Italian/English writings

Accessories

1460-VR	Spare glass for Series 1460
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Series 1460

Metal explosion-proof call point

Explosion-proof call point for manual signalling of fires, suited to areas with a potentially explosive atmosphere such as petrochemical and pharmaceutical industries, etc.

Available in a version with indirect activation (breaking the glass and then pressing the button are both necessary to activate the alarm) and a version with direct activation (breaking the glass is sufficient to activate the alarm). Available inside are a NO contact and a NC contact with changeover switching.

To reuse the call point, the break glass has to be replaced. A break glass hammer is supplied.

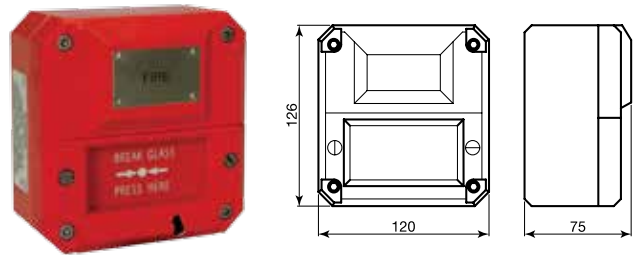
ATEX approval.

2.12 Explosion-proof products

PX800004 / PX805002 / PX801001 / PX818002

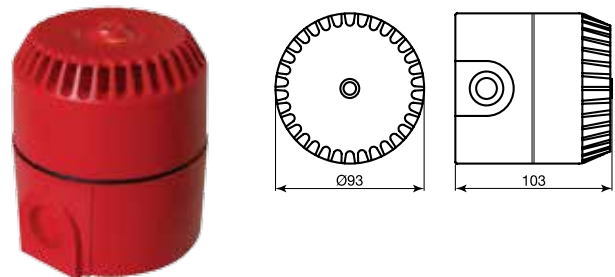
PX800004

- Explosion-proof glass break manual call point in reinforced polyester UV resistant red fibreglass
- With test key
- Max voltage: 50 V DC
- Changeover contact 1 A max @ 50 V DC, 3 A max @ 30 V DC
- 6 terminals connection, cableway: 2xM20
- IP 66, strong corrosion resistance
- Operating temperature: -20°C to +50°C
- Accessories upon request: Spare glass code 1461-VR



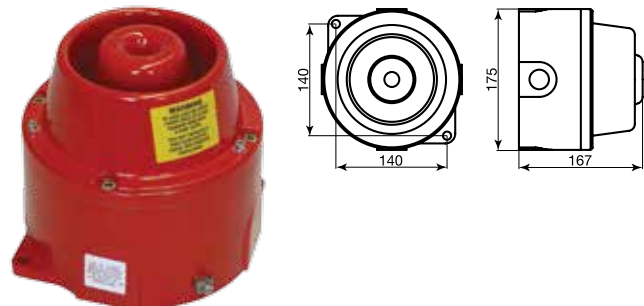
PX805002

- Intrinsically safe electronic sounder
- Housing material: ABS, red
- Voltage 24 V DC, current consumption 12 mA
- Sound: 100 dB at 1 m, 26 selectable tones
- 6 terminals connection, cableway: 2xM20
- IP65
- Operating temperature: -20°C to +55°C



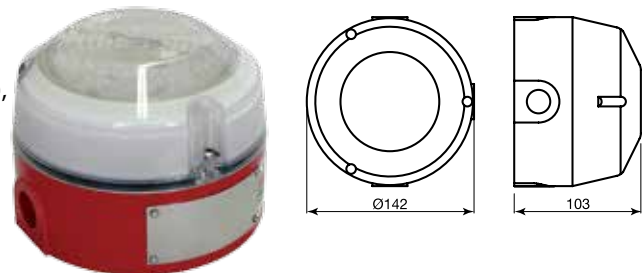
PX801001

- Explosion-proof electronic sounder
- Body material: Aluminium, red paint, diffuser ABS, red colour
- Voltage 24 V DC, current consumption 250 mA
- Sound: 103 dB at 1 m, 6 selectable tones
- 6 terminals connection, cableway: 2x20mm ISO
- IP66
- Operating temperature: -20°C to +55°C



PX818002

- Intrinsically safe beacon with Xenon lamp
- Body material: reinforced polyester fibreglass UV resistant, red (body), PVC, transparent (dome)
- Voltage 24 V DC, current consumption 71 mA
- Flashing: energy 0.5 J, 60 flash / min
- 8 terminals connection, cableway: 3xM20
- IP66
- Operating temperature: -55°C to +60°C



Order codes

Code	Description	Package weight
PX800004	Explosion-proof call point in plastic material	1.30 Kg
1461-VR	Spare glass for PX800004	0.20 Kg
PX805002	Intrinsically safe electronic sounder	0.36 Kg
PX801001	Explosion-proof electronic sounder	3.50 Kg

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