

JUNCTION BOXES



MAIN TECHNICAL FEATURES

Thermoresistant material: shock resistant halogen free technopolymer on ABS base.

Self-extinguishing material: shock resistant self-extinguishing V0 (UL94) technopolymer on ABS base.

Polycarbonate material: shock resistant thermoresistant (up to 120°C) halogen free technopolymer.

Outdoor installations: high resistance to ageing and UV rays.

Halogen free: plastic materials resistant to chemicals, acids and bases containing Cadmium and halogens.

Shock resistance IK08 (shocks up to 6J).

Resistance to abnormal heat (Glow Wire Test EC 60695-2-11 standard): up to 650° C for standard, up to 960°C for type A (self-extinguishing).

Installation temperature: min. -5°C, max +60°C.

Operating temperature: min. -25°C, max (ABS) +70°C, max (PC) +120°C.

Boxes suitable for a complete installation, according to the Standards IEC 60670-1/24 by screw caps.

Single or multiple package with protective transparent film, packed in strong cardboard boxes.

Reference Standards: EN 60670-1:2005, EN 60670-22:2006.

Products meeting the essential requirements of L.V.D. 2014/35/UE.

Products in compliance with RoHS II - 2011/65/UE directive.

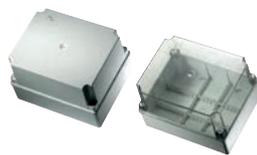
Thermoresistant boxes



Junction boxes with stepped glands IP44/IP55 Series 400-411 page 277



Smooth sided junction boxes with blank/transparent lid IP56 Series 410/420 page 280



Smooth sided junction boxes with high blank/transparent lid IP56 Series 430/440 page 282

Self-extinguishing boxes V0



V0 self-extinguishing with stepped glands IP44/IP55 Series 400A page 284



Smooth sided junction boxes with blank lid IP56 Series 410A page 286

Polycarbonate 120°C boxes



PC smooth sided junction boxes with blank/transparent lid Series 480/490 page 287

Thermoresistant boxes junction boxes with ¼ turn screws



Junction box with stepped glands or cable direct inlet IP56 Series 405/401 page 289



Smooth sided junction boxes with blank lid Series 415 page 289

Self-extinguishing boxes V0 junction boxes with ¼ turn screws



Junction boxes with stepped glands or cable direct inlet IP55/IP56 Series 405A/401A/415A page 290



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Aluminium boxes



Aluminium smooth sided junction boxes Series 485 page 294

Wall mounting boxes



Wall mounting warning lights page 295



IP55 Self-supporting covers for electrical devices page 295



IP40/IP55 Wall boxes for electrical devices Series 300 page 296

Alveolar boards



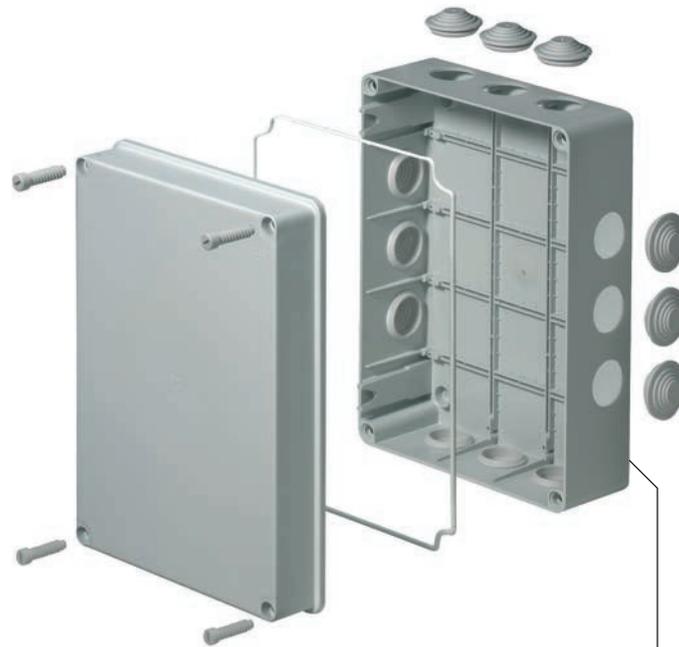
Boards with alveolar or smooth reversible door page 297

MAIN TECHNICAL FEATURES

Particularly strong design to grant the right rigidity also on rough or irregular walls

Integrated hinges for an easy and quick installation

The back plates, the din rails and the brass terminal blocks can be mounted very easily thanks to the proper guides



Wall fixing bracket plastic to keep IP-protection and double insulation



A draining hole can be easily made in the box wall

Soft stepped glands perfectly fitting to the box and easy to cut

Anticorrosive steel captive screws or quick-closing 1/4 turn plastic captive screws

Lid with integrated gasket

The wall mounting junction boxes are manufactured either with thermoresistant halogen free raw material (GWT 650°C) or with self-extinguishing raw material (GWT 960°C and V0 according to the Standard UL94). With 175 items, divided in different series, the range of the wall mounting boxes fulfils any distribution or derivation need the installer has: stepped glands or smooth sides, solid or clear

covers, low or high covers, steel or plastic screws.

The boxes made of self-extinguishing ABS with a high resistance to abnormal heat (960° C) is suitable for the heaviest applications and, in the red version, can be used in fire and security systems.

The polycarbonate boxes offer the installers the ideal solution for their specific and particular applications.

The boxes can be installed very easily and quickly thanks to the accessories supplied with the box or available as fittings.

The high mechanical strength protects the wiring devices and equipments in the outdoor installations, in industrial and civil applications.

The range also include the boxes suitable for electrical devices like GW systems, Magic or similar ones.

MAIN TECHNICAL FEATURES

Integrated hinge with snap, possibility to separate the cover, 90° opening of the cover at box edge



The bottom has some guides to directly fix the brass terminal blocks, the devices or the back plates



All the boxes are equipped with steel or plastic captive screws



Plastic and steel back plates to fix wiring devices and equipments

The covers are closed by steel screws, insulating screws or quick-closing ¼ turn screws



The lid of the quick-closing boxes is linked to the bottom for the max. functionality in any condition of installation

The junction boxes are characterized by some peculiar solutions which make the cabling works easier and quicker, which means a sure time and money saving for the installer.

From the dimensions 300x220cm the boxes have a separable integrated hinge: that means no kit to install, 90° opening of the cover at box edge, the lid can be separated from the box without any tool and snapped again after carrying out the wiring or the assembling in the workshop.

The steel or plastic back plates are

a sure advantage because they can be wired in the workshop and then installed; they allow to make the most of the room available, gaining in this way a more efficient installation

The bottom guides existing in any box model allow to fix the brass terminal blocks, the DIN rails EN50022, the equipments and the back plates directly to the box bottom.

The box with ¼ turn screws have the references on the cover: "0" closed and "1" open. Once aligned to the screw slot they clearly

indicate if the cover is closed or open.

Two of the four losless screws are linked to the bottom, which can be easily separated to make the fixing and the wiring works easier and mounted again also in a different position.

If the junction boxes are put on conductive surfaces, they can be equipped with the screw caps (to be bought separately) to gain a double insulation. In this way they become fully insulated according to the Standard EN 60670-1/24.

mounting examples



POLYETHYLENE CABLE JUNCTION BOXES **SERIES 411**

MAIN TECHNICAL FEATURES:

- Bottom and lid made of shock resistant polyethylene technopolymer, and high resistance to UV rays.
- Halogen free.
- Snap-on cover, assembly without tools.
- Ideal for lighting systems.
- Cable direct inlets.
- Rigid conduit direct inlets (Ø 16 mm).



CE

IP55

GREY RAL 7035

Direct inlet cable junction boxes - IP55

| ITEM | INTERNAL DIMENSIONS mm | CABLE DIAMETER mm | CONDUIT DIAMETER mm | PACKAGING PIECES |
|----------------|---------------------------|----------------------|------------------------|---------------------|
| EC411C1 | 71x33x30 | Ø 8-14 / Ø 7-9 | Ø 16 lato lungo | 100 |
| EC411C2 | 65x65x30 | Ø 8-14 | Ø 16 sui 4 lati | 50 |
| EC411C3 | 75x75x34 | Ø 8-14 | Ø 16 sui 4 lati | 36 |
| EC411C4 | 90x90x34 | Ø 8-14 | Ø 16 sui 4 lati | 46 |

*HALOGEN
Free*



EC411C1

EC411C2

EC411C3

EC411C4

JUNCTION BOXES WITH STEPPED GLANDS **SERIES 400**

MAIN TECHNICAL FEATURES:

- Bottom and lid made of thermoresistant ABS.
- Snap-on cover, assembly without tools.
- Possibility of a double insulation with optional caps.
- Threaded holes for wall mounting and system to prevent unscrewing.
- Soft stepped glands.
- 5-piece package with protective transparent film.

CE

IP44

GREY RAL 7035

Junction boxes with stepped glands - snap-on cover - IP44

| ITEM | INTERNAL DIMENSIONS mm | HOLE NUMBER | MAX. CONDUIT DIAM. mm | PACKAGING PIECES |
|----------------|---------------------------|----------------|--------------------------|---------------------|
| EC400C1 | Ø 65x35 | 4 | 20 | 5/120 |
| EC400C2 | Ø 80x40 | 4 | 20 | 5/150 |
| EC400C3 | 80x80x40 | 6 | 20 | 5/160 |

Smooth sided junction boxes - with prepared holes - IP44



| ITEM | INTERNAL DIMENSIONS mm | HOLE NUMBER | MAX. CONDUIT DIAM. mm | PACKAGING PIECES |
|----------------|---------------------------|----------------|--------------------------|---------------------|
| EC410C3 | 80x80x40 | 6 | 20 | 5/150 |



EC400C1

EC400C2

EC400C3

EC410C3

JUNCTION BOXES WITH STEPPED GLANDS SERIES 400

MAIN TECHNICAL FEATURES:

- Bottom and lid made of thermoresistant ABS.
- Cover with metal or plastic screws closure where specified.
- High-resistant soft rubber inner gasket.
- Soft stepped glands.
- Possibility of a double insulation with optional caps.
- Internal guide to fix the DIN rail EN 50022, brass terminal blocks or back plates.
- Single package with protective transparent film.

CE

IP55

GREY RAL 7035

| ITEM | INTERNAL DIMENSIONS mm | HOLE NUMBER | MAX. CONDUIT DIAM. mm | PACKAGING PIECES |
|-----------|------------------------|-------------|-----------------------|------------------|
| EC400C4 | 100x100x50 | 6 | 25 | 1/90 |
| EC400C4R | 120x80x50 | 6 | 25 | 1/90 |
| EC400C5 | 150x110x70 | 10 | 25 | 1/45 |
| EC400C6 | 190x140x70 | 10 | 32 | 1/25 |
| EC400C7 | 240x190x90 | 12 | 32 | 1/14 |
| EC400C8* | 300x220x120 | 12 | 32 | 1/6 |
| EC400C9* | 380x300x120 | 12 | 40 | 1/4 |
| EC400C10* | 460x380x120 | 14 | 40 | 1/4 |

• Nylon screws

* Nylon screws and hinged lid



EC400C4 EC400C4R EC400C5 EC400C6 EC400C7 EC400C8 EC400C9 EC400C10

SMOOTH SIDED JUNCTION BOXES SERIES 410

MAIN TECHNICAL FEATURES:

- Bottom and lid made of thermoresistant ABS.
- Cover with metal or plastic screws where specified.
- High-resistant soft rubber inner gasket.
- Possibility of a double insulation with optional caps.
- Internal guide to fix the DIN rail EN 50022, brass terminal blocks or back plates.
- Single package with protective transparent film.

CE

IP56

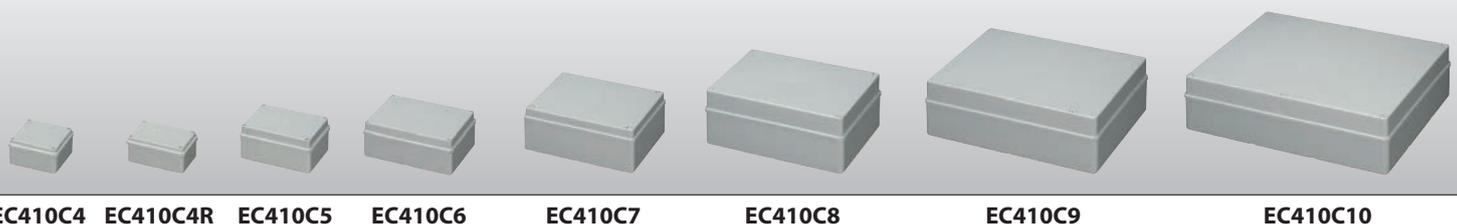
GREY RAL 7035

| ITEM | INTERNAL DIMENSIONS mm | PACKAGING PIECES |
|-----------|---------------------------|---------------------|
| EC410C4 | 100x100x50 | 1/100 |
| EC410C4R | 120x80x50 | 1/100 |
| EC410C5 | 150x110x70 | 1/42 |
| EC410C6 | 190x140x70 | 1/24 |
| EC410C7 | 240x190x90 | 1/16 |
| EC410C8* | 300x220x120 | 1/6 |
| EC410C9* | 380x300x120 | 1/4 |
| EC410C10* | 460x380x120 | 1/4 |

• Nylon screws

* Nylon screws and hinged lid

*HALOGEN
Free*



EC410C4 EC410C4R EC410C5 EC410C6 EC410C7 EC410C8 EC410C9 EC410C10

SMOOTH SIDED JUNCTION BOXES SERIES 420

MAIN TECHNICAL FEATURES:

- Bottom made of thermoresistant ABS.
- Polycarbonate transparent smoky grey cover - metal or plastic screws where specified.
- High-resistant soft rubber inner gasket.
- Possibility of a double insulation with optional caps.
- Internal guide to fix the DIN rail EN 50022, brass terminal blocks or back plates.
- Single package with protective transparent film.

CE

IP56

GREY RAL 7035

| ITEM | INTERNAL DIMENSIONS mm | PACKAGING PIECES |
|-----------|------------------------|------------------|
| EC420C5 | 150x110x70 | 1/42 |
| EC420C6 | 190x140x70 | 1/24 |
| EC420C7 | 240x190x90 | 1/16 |
| EC420C8* | 300x220x120 | 1/6 |
| EC420C9* | 380x300x120 | 1/4 |
| EC420C10* | 460x380x120 | 1/4 |

• Nylon screws

* Nylon screws and hinged lid

*HALOGEN
Free*



EC420C5



EC420C6



EC420C7



EC420C8



EC420C9



EC420C10

SMOOTH SIDED JUNCTION BOXES - HIGH LID SERIES 430

MAIN TECHNICAL FEATURES:

- Bottom made of thermoresistant ABS.
- The high lid assures a big inner volume for industrial applications.
- Cover with metal or plastic screws where specified.
- High-resistant soft rubber inner gasket.
- Possibility of a double insulation with optional caps.
- Internal guide to fix the DIN rail EN 50022, brass terminal blocks or back plates.
- Single package with protective transparent film.

CE

IP56

GREY RAL 7035

| ITEM | INTERNAL DIMENSIONS mm | PACKAGING PIECES |
|----------|---------------------------|---------------------|
| EC430C5 | 150x110x140 | 1/18 |
| EC430C6 | 190x140x140 | 1/16 |
| EC430C7 | 240x190x160 | 1/8 |
| EC430C8* | 300x220x180 | 1/4 |
| EC430C9* | 380x300x180 | 1/3 |

• Nylon screws

* Nylon screws and hinged lid

*HALOGEN
Free*



EC430C5



EC430C6



EC430C7



EC430C8



EC430C9

SMOOTH SIDED JUNCTION BOXES - HIGH TRANSPARENT LID SERIES 440

MAIN TECHNICAL FEATURES:

- Bottom made of thermoresistant ABS.
- The high lid assures a big inner volume for industrial applications.
- Polycarbonate transparent smoky grey screw cover - metal or plastic screws where specified.
- High-resistant soft rubber inner gasket.
- Possibility of a double insulation with optional caps.
- Internal guide to fix the DIN rail EN 50022, brass terminal blocks or back plates.
- Single package with protective transparent film.

CE

IP56

GREY RAL 7035

| ITEM | INTERNAL DIMENSIONS mm | PACKAGING PIECES |
|----------|------------------------|------------------|
| EC440C5 | 150x110x140 | 1/18 |
| EC440C6 | 190x140x140 | 1/16 |
| EC440C7 | 240x190x160 | 1/8 |
| EC440C8* | 300x220x180 | 1/4 |
| EC440C9* | 380x300x180 | 1/3 |

• Nylon screws

* Nylon screws and hinged lid

*HALOGEN
Free*



EC440C5



EC440C6



EC440C7



EC440C8



EC440C9

JUNCTION BOXES WITH STEPPED GLANDS **SERIES 400A**

MAIN TECHNICAL FEATURES:

- Bottom and lid made of self-extinguishing V0 (UL94) ABS.
- Resistance to abnormal heat : up to 960° C (Glow Wire Test according to the Standard IEC 60695-2-11).
- Snap-on cover, assembly without tools.
- Possibility of a double insulation with optional caps.
- Threaded holes for wall mounting and system to prevent unscrewing.
- Soft stepped glands.
- 5-piece package with protective transparent film.

CE

IP44

GREY RAL 7035

| ITEM | INTERNAL DIMENSIONS mm | HOLE NUMBER | MAX. CONDUIT DIAM. mm | PACKAGING PIECES |
|-----------------|---------------------------|----------------|--------------------------|---------------------|
| EC400C1A | Ø 65x35 | 4 | 20 | 5/120 |
| EC400C2A | Ø 80x40 | 4 | 20 | 5/150 |
| EC400C3A | 80x80x40 | 6 | 20 | 5/160 |

self-extinguishing



EC400C1A



EC400C2A



EC400C3A

JUNCTION BOXES WITH STEPPED GLANDS **SERIES 400A**

MAIN TECHNICAL FEATURES:

- Bottom and lid made of self-extinguishing V0 (UL94) ABS.
- Resistance to abnormal heat : up to 960° C (Glow Wire Test according to the Standard IEC 60695-2-11).
- Cover with metal or plastic screws where specified.
- High-resistant soft rubber inner gasket.
- Soft stepped glands.
- Possibility of a double insulation with optional caps.
- Internal guide to fix the DIN rail EN 50022, brass terminal blocks or back plates.
- Single package with protective transparent film.

CE

IP55

GREY RAL 7035

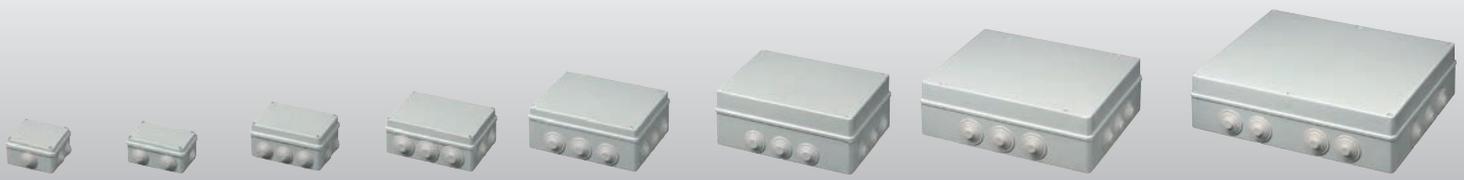
| ITEM | INTERNAL DIMENSIONS mm | HOLE NUMBER | MAX. CONDUIT DIAM. mm | PACKAGING PIECES |
|------------|---------------------------|----------------|--------------------------|---------------------|
| EC400C4A | 100x100x50 | 6 | 25 | 1/90 |
| EC400C4RA | 120x80x50 | 6 | 25 | 1/90 |
| EC400C5A | 150x110x70 | 10 | 25 | 1/45 |
| EC400C6A | 190x140x70 | 10 | 32 | 1/25 |
| EC400C7A | 240x190x90 | 12 | 32 | 1/14 |
| EC400C8A* | 300x220x120 | 12 | 32 | 1/6 |
| EC400C9A* | 380x300x120 | 12 | 40 | 1/4 |
| EC400C10A* | 460x380x120 | 14 | 40 | 1/4 |

• Nylon screws

* Nylon screws and hinged lid



self-extinguishing



EC400C4A EC400C4RA EC400C5A EC400C6A EC400C7A EC400C8A EC400C9A EC400C10A

SMOOTH SIDED JUNCTION BOXES SERIES 410A

MAIN TECHNICAL FEATURES:

- Bottom and lid made of self-extinguishing V0 (UL94) ABS.
- Resistance to abnormal heat : up to 960° C (Glow Wire Test according to the Standard IEC 60695-2-11).
- Cover with metal or plastic screws where specified.
- High-resistant soft rubber inner gasket.
- Possibility of a double insulation with optional caps.
- Internal guide to fix the DIN rail EN 50022, brass terminal blocks or back plates.
- Single package with protective transparent film.

CE

IP56

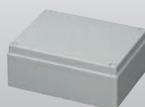
GREY RAL 7035

| ITEM | INTERNAL DIMENSIONS mm | PACKAGING PIECES |
|------------|---------------------------|---------------------|
| EC410C4A | 100x100x50 | 1/100 |
| EC410C4RA | 120x80x50 | 1/100 |
| EC410C5A | 150x110x70 | 1/42 |
| EC410C6A | 190x140x70 | 1/24 |
| EC410C7A | 240x190x90 | 1/16 |
| EC410C8A* | 300x220x120 | 1/6 |
| EC410C9A* | 380x300x120 | 1/4 |
| EC410C10A* | 460x380x120 | 1/4 |

• Nylon screws

* Nylon screws and hinged lid

self-extinguishing



EC410C4A EC410C4RA EC410C5A EC410C6A EC410C7A EC410C8A EC410C9A EC410C10A

SMOOTH SIDED JUNCTION BOXES SERIE 480

MAIN TECHNICAL FEATURES:

- Bottom and lid made in polycarbonate with heat resistance up to 120° C, for heavy installations.
- Cover with metal or plastic screws where specified.
- High-resistant soft rubber inner gasket.
- Possibility of a double insulation with optional caps.
- Internal guide to fix the DIN rail EN 50022, brass terminal blocks or back plates.
- Single package with protective transparent film.

CE

IP56

GREY RAL 7035

| ITEM | INTERNAL DIMENSIONS mm | PACKAGING PIECES |
|-----------|------------------------|------------------|
| EC480C4 | 100x100x50 | 1/100 |
| EC480C4R | 120x80x50 | 1/100 |
| EC480C5 | 150x110x70 | 1/42 |
| EC480C6 | 190x140x70 | 1/24 |
| EC480C7 | 240x190x90 | 1/16 |
| EC480C8* | 300x220x120 | 1/6 |
| EC480C9* | 380x300x120 | 1/4 |
| EC480C10* | 460x380x120 | 1/4 |

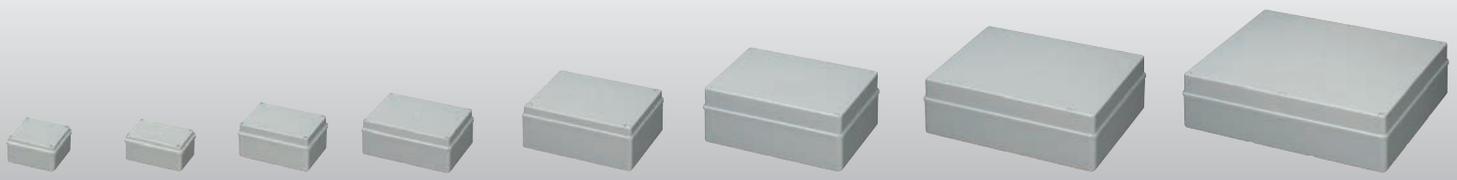
• Nylon screws

* Nylon screws and hinged lid



HALOGEN Free

120° C



EC480C4 EC480C4R EC480C5 EC480C6 EC480C7 EC480C8 EC480C9 EC480C10

SMOOTH SIDED JUNCTION BOXES - HIGH LID SERIES 490

MAIN TECHNICAL FEATURES:

- Bottom and lid made in polycarbonate with heat resistance up to 120°C, for heavy installations.
- The high lid assures a big inner volume for industrial applications.
- Cover with metal or plastic screws where specified.
- High-resistant soft rubber inner gasket.
- Possibility of a double insulation with optional caps.
- Internal guide to fix the DIN rail EN 50022, brass terminal blocks or back plates.
- Single package with protective transparent film.

CE

IP56

GREY RAL 7035

| ITEM | INTERNAL DIMENSIONS mm | PACKAGING PIECES |
|----------|---------------------------|---------------------|
| EC490C5 | 150x110x140 | 1/18 |
| EC490C6 | 190x140x140 | 1/16 |
| EC490C7 | 240x190x160 | 1/8 |
| EC490C8* | 300x220x180 | 1/4 |
| EC490C9* | 380x300x180 | 1/3 |

• Nylon screws

* Nylon screws and hinged lid

*HALOGEN
Free*

120° C



EC490C5



EC490C6



EC490C7



EC490C8



EC490C9

QUICK-CLOSING JUNCTION BOXES - 1/4 TURN SCREWS SERIES 401/405/415

MAIN TECHNICAL FEATURES:

- Bottom and lid made of thermoresistant halogen free ABS, smooth side .
- Quick-closing ¼ turn plastic screws.
- New linking system of the cover to the box bottom.
- High-resistant soft rubber inner gasket.
- Possibility of a double insulation with optional caps.
- Bottom suitable to house the brass terminal blocks.
- Single package with protective transparent film.

IP55
IP56

CE

GREY RAL 7035

Junction boxes with cable direct inlet - IP55

| ITEM | INTERNAL DIMENSIONS mm | HOLE NUMBER | MIN. - MAX. DIAM. mm | PACKAGING PIECES |
|----------------|---------------------------|----------------|-------------------------|---------------------|
| EC401C4 | 105x105x55 | 7 | 2,5 - 20 | 1/60 |
| EC401C5 | 155x110x70 | 10 | 2,5 - 20 | 1/45 |

Junction boxes with stepped glands- IP55

| ITEM | INTERNAL DIMENSIONS mm | HOLE NUMBER | MAX. CONDUIT DIAM. mm | PACKAGING PIECES |
|----------------|---------------------------|----------------|--------------------------|---------------------|
| EC405C4 | 105x105x55 | 7 | 25 | 1/60 |
| EC405C5 | 155x110x70 | 10 | 25 | 1/45 |

Smooth sided junction boxes - IP56

| ITEM | INTERNAL DIMENSIONS mm | PACKAGING PIECES |
|----------------|---------------------------|---------------------|
| EC415C4 | 105x105x55 | 1/80 |
| EC415C5 | 155x110x70 | 1/42 |



*HALOGEN
Free*



EC401C4

EC401C5

EC405C4

EC405C5

EC415C4

EC415C5

QUICK-CLOSING JUNCTION BOXES - 1/4 TURN SCREWS SERIES 401A/405A/415A

MAIN TECHNICAL FEATURES:

- Bottom and lid made of self-extinguishing V0 (UL94) ABS.
- Resistance to abnormal heat : up to 960° C (Glow Wire Test according to the Standard IEC 60695-2-11).
- Quick-closing ¼ turn plastic screws.
- High-resistant soft rubber inner gasket.
- Soft stepped glands.
- Possibility of a double insulation with optional caps.
- Bottom suitable to house the brass terminal blocks
- Single package with protective transparent film.

IP55
IP56

CE

GREY RAL 7035

Junction boxes with cable direct inlet - IP55

| ITEM | INTERNAL DIMENSIONS mm | HOLE NUMBER | MIN. - MAX. DIAM. mm | PACKAGING PIECES |
|-----------------|---------------------------|----------------|-------------------------|---------------------|
| EC401C4A | 105x105x55 | 7 | 2,5 - 20 | 1/60 |
| EC401C5A | 155x110x70 | 10 | 2,5 - 20 | 1/45 |

Junction boxes with stepped glands- IP55

| ITEM | INTERNAL DIMENSIONS mm | HOLE NUMBER | MAX. CONDUIT DIAM. mm | PACKAGING PIECES |
|-----------------|---------------------------|----------------|--------------------------|---------------------|
| EC405C4A | 105x105x55 | 7 | 25 | 1/60 |
| EC405C5A | 155x110x70 | 10 | 25 | 1/45 |

Smooth sided junction boxes - IP56

| ITEM | INTERNAL DIMENSIONS mm | PACKAGING PIECES |
|-----------------|---------------------------|---------------------|
| EC415C4A | 105x105x55 | 1/80 |
| EC415C5A | 155x110x70 | 1/42 |



EC401C4A

EC401C5A

EC405C4A

EC405C5A

EC415C4A

EC415C5A

QUICK-CLOSING JUNCTION BOXES - 1/4 TURN SCREWS SERIES 406A/407A/416A

MAIN TECHNICAL FEATURES:

- Bottom and lid made of self-extinguishing V0 (UL94) ABS.
- Resistance to abnormal heat : up to 960° C (Glow Wire Test according to the Standard IEC 60695-2-11).
- Quick-closing ¼ turn plastic screws.
- High-resistant soft rubber inner gasket.
- Soft stepped glands.
- Possibility of a double insulation with optional caps.
- Bottom suitable to house the brass terminal blocks
- Single package with protective transparent film.

IP55
IP56

CE

RED RAL 3000

Junction boxes with cable direct inlet - IP55

| ITEM | INTERNAL DIMENSIONS mm | HOLE NUMBER | MIN. - MAX. DIAM. mm | PACKAGING PIECES |
|-----------------|---------------------------|----------------|-------------------------|---------------------|
| EC407C4A | 105x105x55 | 7 | 2,5 - 20 | 1/60 |
| EC407C5A | 155x110x70 | 10 | 2,5 - 20 | 1/45 |

Junction boxes with stepped glands- IP55

| ITEM | INTERNAL DIMENSIONS mm | HOLE NUMBER | MAX. CONDUIT DIAM. mm | PACKAGING PIECES |
|-----------------|---------------------------|----------------|--------------------------|---------------------|
| EC406C4A | 105x105x55 | 7 | 25 | 1/60 |
| EC406C5A | 155x110x70 | 10 | 25 | 1/45 |

Smooth sided junction boxes - IP56

| ITEM | INTERNAL DIMENSIONS mm | PACKAGING PIECES |
|-----------------|---------------------------|---------------------|
| EC416C4A | 105x105x55 | 1/80 |
| EC416C5A | 155x110x70 | 1/42 |

self-extinguishing



EC407C4A

EC407C5A

EC406C4A

EC406C5A

EC416C4A

EC416C5A

BACK PLATES SERIES 450 / DIN RAILS SERIES 460

MAIN TECHNICAL FEATURES BACK PLATES:

- Made of galvanized steel, with anticorrosive electrolytic treatment.
- Easy fixing thanks to the holes on the bottom box.
- Fixing self-tapping screws included.
- Available also in insulating material.
- Single packaging.

MAIN TECHNICAL FEATURES DIN RAILS:

- Made of galvanized steel, with anticorrosive tropicalized treatment.
- Guides in accordance with the Reference standard DIN EN 50022.
- Available with perforated back on request.

Back plates

| ITEM | | FOR BOX DIMENSIONS | THICKNESS mm | | PACKAGING PIECES |
|-----------------|-----------------|--------------------|--------------|-------------|------------------|
| METAL | INSULANTING | | METAL | INSULANTING | |
| EC450P6 | EC451P6 | 190x140 | 1,2 | 4,0 | 1/30 |
| EC450P7 | EC451P7 | 240x190 | 1,2 | 4,0 | 1/30 |
| EC450P8 | EC451P8 | 300x220 | 1,2 | 4,0 | 1/20 |
| EC450P9 | EC451P9 | 380x300 | 1,2 | 4,0 | 1/10 |
| EC450P10 | EC451P10 | 460x380 | 1,2 | 4,0 | 1/10 |

DIN EN 50022 rails for boxes

| ITEM (DIN RAILS) | FOR BOX DIMENSIONS | LENGTH mm | PACKAGING PIECES |
|------------------|--------------------|-----------|------------------|
| EC460D5 | 150x110 | 150 | 10 |
| EC460D6 | 190x140 | 180 | 10 |
| EC460D7 | 240x190 | 230 | 10 |
| EC460D8 | 300x220 | 290 | 10 |
| EC460D9 | 380x300 | 370 | 10 |
| EC460D10 | 460x380 | 450 | 10 |

DIN EN 50022 rails

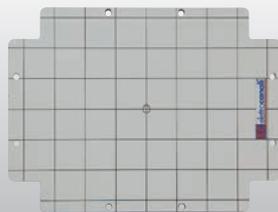
| ITEM | LENGTH mt | DESCRIPTION TYPE | DIMENSIONS mm | PACKAGING PIECES |
|----------------|-----------|---------------------|---------------|------------------|
| EC460 | 2 | BLANK DIN RAIL | 35x7,5x1 | 20 |
| EC460F | 2 | PERFORATED DIN RAIL | 35x7,5x1 | 20 |
| EC46015 | 2 | BLANK DIN RAIL | 35x15x1,5 | 10 |

Spare screws for boxes series 400

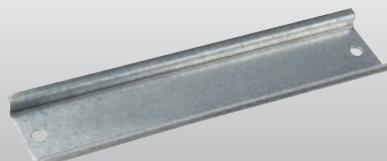
| ITEM | DESCRIZIONE | PACKAGING PIECES |
|-----------------|---|------------------|
| EC400KV1 | Kit of 10 inox screws for boxes C4-C5-C6 | 10 kit |
| EC400KV2 | Kit of 10 plastic screws for boxes C7 | 10 kit |
| EC400KV3 | Kit of 10 plastic screws for boxes C8-C9-10 | 10 kit |



EC450P



EC451P



EC460D



EC400KV2

PLASTIC STEPPED GLANDS **SERIES 470** / CAPS **SERIES TFLEX** / TERMINAL BLOCKS **SERIES 890**

MAIN TECHNICAL FEATURES:

- Stepped glands made of soft self-extinguishing plastic material. • Up to 6 concentric circles.
- Insulation caps made of transparent polyethylene. • They assure a double insulation to in the boxes.
- Series 890: made in self-extinguishing PA6.6.

GREY RAL 7035

Soft technopolymer stepped glands

| ITEM | MAX. CONDUIT DIAMETER mm | Ø HOLE mm | PACKAGING PIECES |
|----------------|--------------------------|-----------|------------------|
| EC47020 | 20 | 23 | 100/800 |
| EC47025 | 25 | 29 | 100/600 |
| EC47032 | 32 | 37 | 100/500 |
| EC47040 | 40 | 48 | 100/300 |

Glands for direct inlet made of soft technopolymer Ø 25 mm

| ITEM | MIN. - MAX DIAM. mm | Ø HOLE mm | PACKAGING PIECES |
|-----------------|---------------------|-----------|------------------|
| EC470255 | 2,5 - 20 | 29 | 100/600 |

Screw caps for double insulation

| ITEM | FOR BOX TYPE | PACKAGING PIECES |
|------------------|--------------|------------------|
| ECTFLEX13 | C1-C2-C3-C4 | 100/2000 |
| ECTFLEX18 | C5-C6-C7-C8 | 100/2000 |
| ECTFLEX25 | C9-C10 | 100/1500 |

Insulated brass terminal blocks to be set on DIN RAIL EN 50022

| ITEM | HOLES AND SECTION mm ² | COLOUR | PACKAGING PIECES |
|-----------------|-----------------------------------|--------|------------------|
| EC890050 | Section 1x35 - 6x16 | | 10/340 |
| EC890051 | Section 1x35 - 1x25 - 10x16 | | 10/320 |
| EC890052 | Section 1x35 - 2x25 - 12x16 | | 10/240 |
| EC890053 | Section 1x35 - 6x16 | | 10/340 |
| EC890054 | Section 1x35 - 1x25 - 10x16 | | 10/320 |
| EC890055 | Section 1x35 - 2x25 - 12x16 | | 10/240 |
| EC890056 | Section 1x35 - 6x16 | | 10/340 |
| EC890057 | Section 1x35 - 1x25 - 10x16 | | 10/320 |
| EC890058 | Section 1x35 - 2x25 - 12x16 | | 10/240 |

Wall fixing bracket plastic to keep IP-protection and double insulation

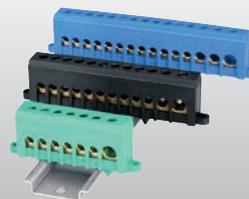
| ITEM | USE | EXTERNAL DIMENSIONS mm | PACKAGING PIECES |
|----------------|--|------------------------|------------------|
| EC600SF | for all boxes series 400 / 410 / 420 / 430 / 440 / 480 / 490 dimensions C6/C7/C8/C9/C10 | 20x13x59 | 50 |



EC470255 ECTFLEX13 ECTFLEX18 ECTFLEX25



EC47020 EC47025 EC47032 EC47040



EC890



EC600SF

WALL MOUNTING ALUMINIUM BOXES SERIES 485

MAIN TECHNICAL FEATURES:

- Bottom and lid made of aluminium alloy EN AB 46100 according to the Reference Standard UNI EN 1676.
- Boxes painted with epoxy resins.
- EPDM gaskets, stainless steel AISI 304 screws.
- Complete with earth connections, wall brackets incorporated in the bottom
- Operating and installation range temperature : min. -40°C, max +125 °C.
- Impact resistance : IK07 (impact up to 2J).
- Suitable to house back plates and DIN rails EN 50022.
- Single package with protective transparent film.

CE

IP66

GREY RAL 9006

Smooth sided aluminium boxes

| ITEM | INTERNAL DIMENSIONS W x H x D mm | EXTERNAL DIMENSIONS W x H x D mm | PACKAGING PIECES |
|------------------|-------------------------------------|-------------------------------------|---------------------|
| EC485C1 | 90x90x53 | 100x100x59 | 1/32 |
| EC485C2 | 128x103x55 | 140x115x60 | 1/24 |
| EC485C3 | 154x129x58 | 166x142x64 | 1/16 |
| EC485C4 | 178x155x74 | 192x168x80 | 1/18 |
| EC485C5 | 239x202x85 | 253x217x93 | 1/8 |
| EC485C6 | 294x244x114 | 314x264x122 | 1/2 |
| * EC485C7 | 392x298x144 | 410x315x153 | 1/2 |

Back plates for aluminium boxes

| ITEM | FOR BOX DIMENSIONS mm | PLATE DIMENSIONS mm | HOLE CENTRE DISTANCE mm | PACKAGING PIECES |
|----------------|--------------------------|------------------------|----------------------------|---------------------|
| EC455P2 | 140x115 | 122x97 | 107x66 | 1/30 |
| EC455P3 | 166x142 | 147x123 | 121x98 | 1/30 |
| EC455P4 | 192x168 | 165x124 | 153x112 | 1/30 |
| EC455P5 | 253x217 | 206x172 | 188x153 | 1/20 |
| EC455P6 | 314x264 | 254x210 | 238x198 | 1/10 |
| EC455P7 | 410x315 | 349x260 | 333x248 | 1/10 |

DIN rails EN 50022 for aluminium boxes

| ITEM | FOR BOX DIMENSIONS mm | LENGTH mm | PACKAGING PIECES |
|----------------|--------------------------|-----------|---------------------|
| EC465D1 | 100x100 | 87 | 10 |
| EC465D2 | 140x115 | 125 | 10 |
| EC465D3 | 166x142 | 150 | 10 |
| EC465D4 | 192x168 | 170 | 10 |
| EC465D5 | 253x217 | 235 | 10 |
| EC465D6 | 314x264 | 285 | 10 |
| EC465D7 | 410x315 | 345 | 10 |

* IP55



WALL MOUNTING WARNING LIGHTS AND SELF-SUPPORTING COVERS SERIES 320/316

MAIN TECHNICAL FEATURES:

- Cover made of transparent or coloured polycarbonate
- Ready to house \varnothing 20 mm conduits.
- Lamp holder type E14 included.
- Lamp up to 25 Watt (not included).

CE

WHITE RAL 9001

GREY RAL 7035

IP55

BLACK RAL 7021

Wall mounting warning lights

| ITEM | COLOUR | EXTERNAL DIMENSIONS W x H x D mm | PACKAGING PIECES |
|--------|-------------|-------------------------------------|---------------------|
| EC320B | BLUE | 67x83x91 | 1/30 |
| EC320R | RED | 67x83x91 | 1/30 |
| EC320V | GREEN | 67x83x91 | 1/30 |
| EC320G | YELLOW | 67x83x91 | 1/30 |
| EC320T | TRANSPARENT | 67x83x91 | 1/30 |

Self-supporting protecting cover for devices GW system, like MAGIC or similar

| ITEM | DESCRIPTION | COLOUR | EXTERNAL DIMENSIONS W x H x D mm | PACKAGING PIECES |
|--------|------------------------------|----------------|-------------------------------------|---------------------|
| EC316B | Self-supporting 3 gang cover | WHITE RAL 9001 | 130x85x24 | 1/40 |
| EC316G | Self-supporting 3 gang cover | GREY RAL 7035 | 130x85x24 | 1/40 |
| EC316N | Self-supporting 3 gang cover | BLACK RAL 7021 | 130x85x24 | 1/40 |



EC320B

EC320R

EC320V

EC320G

EC320T

EC316B

EC316G

EC316N

WALL BOXES FOR ELECTRICAL DEVICES **SERIES 300/310**

MAIN TECHNICAL FEATURES:

- Suitable for electrical devices Magic, GW System or similar.
- Ready to house \varnothing 20 mm conduits.
- Stepped glands made of soft plastic material .
- IP55 with protection door , with soft transparent heart.

CE

**IP40
IP55**

GREY RAL 7035

| ITEM | DEVICES NR. | IP | EXTERNAL DIMENSIONS W x H x D mm | PACKAGING PIECES |
|-----------------|------------------|----|-------------------------------------|---------------------|
| EC300A1 | 1 | 40 | 67x83x51 | 1/60 |
| EC300A2 | 2 | 40 | 67x83x51 | 1/60 |
| EC300A3 | 3 | 40 | 100x83x51 | 1/40 |
| EC300A4 | 4 | 40 | 122x83x51 | 1/30 |
| EC300A6 | 6 | 40 | 177x83x51 | 1/20 |
| EC300A4V | 4 (2+2 Vertical) | 40 | 67x180x51 | 1/25 |
| EC300A6V | 6 (3+3 Vertical) | 40 | 100x180x51 | 1/18 |
| EC310A1 | 1 | 55 | 67x83x59 | 1/50 |
| EC310A2 | 2 | 55 | 67x83x59 | 1/50 |
| EC310A3 | 3 | 55 | 100x83x59 | 1/35 |
| EC310A4 | 4 | 55 | 122x83x59 | 1/25 |
| EC310A4V | 4 (2+2 Vertical) | 55 | 67x180x59 | 1/20 |
| EC310A6V | 6 (3+3 Vertical) | 55 | 100x180x59 | 1/15 |



EC300A1

EC300A2

EC300A3

EC300A4

EC300A6

EC300A4V

EC300A6V



EC310A1

EC310A2

EC310A3

EC310A4

EC310A4V

EC310A6V

BOX system

BOARDS WITH ALVEOLAR OR SMOOTH REVERSIBLE DOOR **SERIES 650**

MAIN TECHNICAL FEATURES:

- Bottom and lid made of thermoresistant halogen free technopolymer .
- Double-structured reversible door: alveolar or smooth
- Shock resistance IK 08 (shocks up to 5J).
- Back and side pre-cuttings for an easy opening and conduit inlet.
- The bottom has integrated supports to house the back plates or the DIN rails.
- Cover fixing screws made of anticorrosive galvanized steel .
- Screw caps for double insulation included. 

CE

IP41

GREY RAL 7035

| ITEM | EXTERNAL DIMENSIONS W x H x D mm | KNOCKOUTS EVERY SIDE Ø | KNOCKOUTS EVERY HEAD Ø | PACKAGING PIECES |
|----------------|-------------------------------------|---------------------------|---------------------------|---------------------|
| EC65001 | 200x150x40 | 3x20 mm | 3x20 mm | 1/20 |
| EC65002 | 200x150x60 | 3x20 mm | 3x20 mm | 1/40 |
| EC65003 | 200x150x80 | 3x20 mm | 3x20 mm | 1/28 |
| EC65004 | 300x200x40 | 5x25 mm | 3x25 mm | 1/30 |
| EC65005 | 300x200x60 | 5x25 mm | 3x25 mm | 1/16 |
| EC65006 | 300x200x80 | 5x25 mm | 3x25 mm | 1/12 |
| EC65007 | 300x200x120 | 5x25 mm | 3x25 mm | 1/8 |
| EC65008 | 400x300x60 | 6x25 mm | 5x25 mm | 1/8 |
| EC65009 | 400x300x80 | 6x25 mm | 5x25 mm | 1/6 |
| EC65010 | 400x300x120 | 6x25 mm | 5x25 mm | 1/4 |

