

Enclosures and cable systems overview

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ABB

Insulating enclosures and installation material

IP40 flush-mounting consumer units- Estetica series



Range: from 4 to 36 modules.
Available in two colours: RAL 9016 white and RAL 7024 slate grey.
Versions: without door and with transparent smoky door with horizontal hinge.
Available in thermoplastic, self-extinguishing material.
Extractable DIN rail frame to facilitate bench wiring.
Designed for the use of the UNIFIX SL fast-wiring system (8 or more modules).
Can be fitted with modular terminal boards.
IMQ approved in compliance with CEI 23-48, CEI 23-49 and IEC 670 Standards.

IP40 flush-mounting consumer units- Europa series



Range: from 8 to 54 modules.
Available in two colours: RAL 9016 white and RAL 7035 grey.
Versions: with opaque door and with transparent, smoky door with vertical hinge.
Available in thermoplastic, self-extinguishing material.
Extractable DIN rail frame to facilitate bench wiring.
Designed for the use of the UNIFIX SL fast-wiring system.
Can be fitted with modular terminal boards.
IMQ approved in compliance with CEI 23-48, CEI 23-49 and IEC 670 Standards.

IP40 wall-mounting consumer units- Unibox series



Range: from 8 to 54 modules (+ 1 extra module per row).
Available in two colours: RAL 9016 white and RAL 7035 grey.
Versions: without door, with opaque door and with transparent, smoky door with vertical hinge (door opening with push-pull mechanism).
Available in thermoplastic, self-extinguishing material.
Shock resistant: 10 joule (IK09).
Extractable DIN rail frame (to facilitate bench wiring), that can be angled at a fixed position to make it easier to work on the connection cables. It can also be dismantled or snapped onto the base of the consumer unit.
Components and accessories can all be snapped on without having to use any screws.
Designed for the use of the UNIFIX SL fast-wiring system.
Can be fitted with modular terminal boards.
IMQ approved in compliance with CEI 23-48, CEI 23-49 and IEC 670 Standards.

IP40 wall-mounting consumer units- Europa series



Range: from 8 to 54 modules.
Available in two colours: RAL 9016 white and RAL 7035 grey.
Versions: without door, with opaque door and with transparent, smoky door with vertical hinge.
Available in thermoplastic, self-extinguishing material.
Designed for the use of the UNIFIX SL fast-wiring system.
Can be fitted with modular terminal boards.
IMQ approved in compliance with CEI 23-48, CEI 23-49 and IEC 670 Standards.

IP40 wall-mounting consumer units- Europa polycarbonate series



Range: from 2 to 54 modules.
Available in RAL 7035 grey version without door.
Made in self-extinguishing polycarbonate.
Material with low halogen content.
Dimensional stability under constant operating conditions from -25 to +115°C, with 20 joule (IK10) shock resistance.
Extractable DIN rail frame that can also be dismantled.
Flange in bi-material to facilitate input of conduits and cables (8 or more modules).
Designed for the use of the UNIFIX L fast-wiring system (8 modules and more).
Can be fitted with modular terminal boards.
IMQ approved in compliance with CEI 23-48, CEI 23-49 and IEC 670 Standards.

IP55 wall-mounting consumer units- Europa series



Range: from 4 to 20 modules.
Available with transparent smoky door with horizontal hinge (for each row) in versions with sealable spring closure and with key lock.
Colour: RAL 7035 grey.
Available in thermoplastic, self-extinguishing material.
Can be fitted with modular terminal boards.
In compliance with CEI 23-48, CEI 23-49 and IEC 670 Standards.

IP65 wall-mounting consumer units- Fly polycarbonate series



Range: from 2 to 36 modules.
Available with transparent smoky door with horizontal hinge (for each row) designed to be fitted with coded lock and key.
Colour: RAL 7035 grey.
Made in self-extinguishing polycarbonate.
Material with low halogen content.
Dimensional stability under constant operating conditions from -25°C to +115°C, with 20 joule (IK10) shock resistance.
Extractable DIN rail frame that can also be dismantled.
Flange in bi-material to facilitate input of conduits and cables (8 modules and more).
Designed for the use of the UNIFIX L fast-wiring system (8 modules and more).
Can be fitted with modular terminal boards.
IMQ approved in compliance with CEI 23-48, CEI 23-49 and IEC 670 Standards.

IP65 wall-mounting consumer units- Europa polycarbonate series



Range: from 2 to 36 modules.
Available with opaque door and transparent smoky door with horizontal hinge.
Colour: RAL 7035 grey.
Made in self-extinguishing polycarbonate.
Material with low halogen content.
Dimensional stability under constant operating conditions from -25°C to +115°C, with 20 joule (IK10) shock resistance.
Extractable DIN rail frame that can also be dismantled.
Flange in bi-material to facilitate input of conduits and cables (8 or more modules).
Designed for the use of the UNIFIX L fast-wiring system (8 or more modules).
Possibility of attaching door hinge onto the front with 140° opening.
Can be fitted with modular terminal boards.
IMQ approved in compliance with CEI 23-48, CEI 23-49 and IEC 670 Standards.

IP65 multi-purpose enclosures Europa series



Available in 6 different dimensions.
Versions: with opaque door and transparent smoky door with vertical hinge.
Colour: RAL 7035 grey.
Made in self-extinguishing polycarbonate.
Material with low halogen content.
Dimensional stability under constant operating conditions from -25°C to +115°C, with 20 joule (IK10) shock resistance.
Designed for the insertion of an extractable frame with predrilled panelling and base plate in metal or insulating material.
Flange in bi-material to facilitate input of conduits and cables.
Possibility of attaching door hinge onto the front with 140° opening.
Can be fitted with modular terminal boards.
IMQ approved in compliance with CEI 23-48 and IEC 670 Standards.

Enclosures for emergency applications



Flush and wall-mounting switchboards with IP40, IP55 or IP65 degree of protection depending on the version.
Colour: RAL 3000 red and RAL 7035 grey.
Dimensions: 5 versions.
Made in thermoplastic, self-extinguishing material.
Front door with breakable glass 0.75 J (IK05 level).
IMQ approved in compliance with CEI 23-48 and IEC 670 Standards.

Combination and distribution boxes- Marostica series



Degree of protection: IP44, IP55 or IP65 depending on the version.
 Range: from 4 to 18 modules.
 Versions with transparent, smoky door.
 Colour: RAL 7035 grey.
 Made in self-extinguishing polycarbonate.
 Material with low halogen content.
 Dimensional stability under constant operating conditions from -25°C to +115°C, with 20 joule (IK10) shock resistance.
 Can be fitted with angled and vertical, flush-mounting sockets with locking switch (from 2 to 6 sockets).
 Flange in bi-material to facilitate input of conduits and cables.
 Possibility of attaching door hinge onto the front with 140° opening.
 Designed to be mounted with the main sockets on the market complying with IEC 309-1 Standards, through the use of universal plates.
 Can be fitted with modular terminal boards.
 IMQ approved in compliance with CEI 23-48 and IEC 670 Standards.

Junction boxes



Degree of protection: IP44 for press-on lid boxes, IP55 for screw-on lid boxes, IP65 for polycarbonate boxes.
 Range: 11 dimensions.
 Versions: boxes with cable glands or smooth boxes, with shallow lid (opaque or transparent) or deep lid (opaque or transparent).
 Colour: RAL 7035 grey.
 Made in self-extinguishing thermoplastic or self-extinguishing polycarbonate.
 IMQ approved in compliance with CEI 23-48 and IEC 670 Standards.

Equipment and empty enclosures



Degree of protection: IP40 and IP55 depending on the version.
 Colour: RAL 7035 grey.
 Made in self-extinguishing thermoplastic material.
 In equipment and empty enclosures fitted with seal between the base and cover, the cover is fitted with a lid in transparent elastic membrane (opening 120°) so that controls can be used even when the lid is closed.
 IMQ approved in compliance with CEI 23-48 and IEC 670 Standards.

Wiring plugs and connection boxes



Range: 14 dimensions.
 Made in self-extinguishing thermoplastic material.
 Large push-in openings.
 Lid in RAL 9010 colour with self-threading screws.
 IMQ approved in compliance with CEI 23-48 and IEC 670 Standards.

Cable-ties



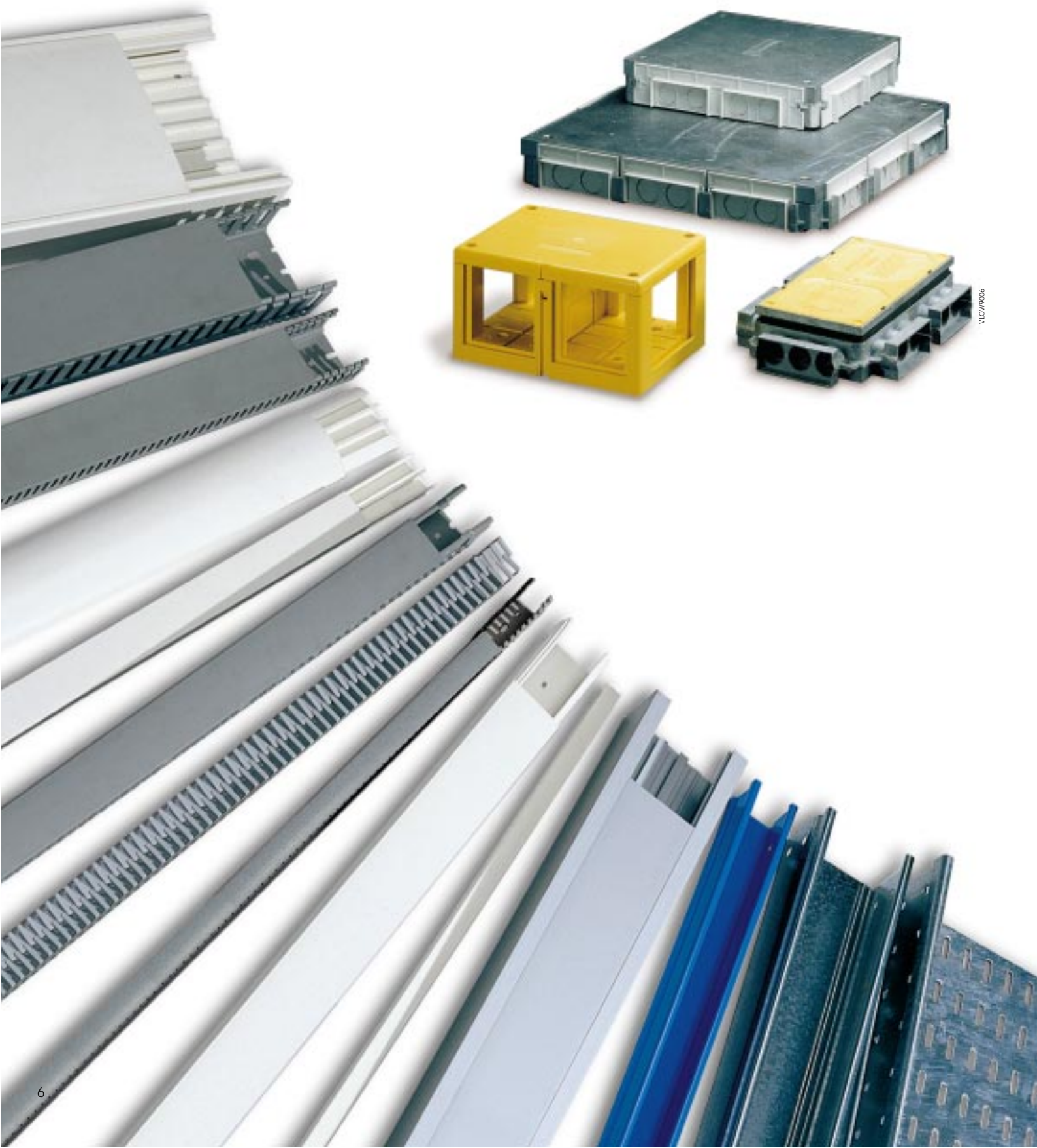
Range: 20 versions (particularly suitable for wiring) in 6/6 transparent or black polyamide; 6 versions in polyamide 12 black (particularly suitable for external use).
 Side edges have anti-scratching protection so as not to damage the operator's hands and not to nick the cable insulation.
 Rounded point to make it easier to insert in countersunk head.
 Easy to tighten, without tearing.
 Complies with MIL-S-23190 Standards (the 6/6 version also complies with IEC 92-101 Standard).
 Italian Naval Register Approval ELE/8998/1.



Insulating enclosures and installation material



Plastic and metal trunking system



V10W9606

Minitrunkings



Range: 17 sizes either with standard and adherent cover. Available in three colours: white RAL 9016, grey RAL 7035, brown RAL 8014. Insulating, shockproof and self-extinguishing material according to UL94 V0 (glow wire test up to 960°C). Dimensional stability from -20 to +60°C, shock resistance of 6 joules. Suitable either as cable trunkings and feeder trunkings. Wide range of accessories. Approved by IMQ according to CEI 23-22 Standard.

Dado and skirting trunkings



Range: available in three colours: white RAL 9016, ardesia RAL 7021, brown RAL 8014. Insulating, shockproof and self-extinguishing material according to UL94 V0 (glow wire test up to 960°C). Dimensional stability from -20 to +60°C, shock resistance of 6 joules. Three compartments to allow separate wiring. Approved by IMQ according to CEI 23-19 Standard.

Cable and feeder trunkings



Range: 16 sizes. Available in two colours: white RAL 9016, grey RAL 7030. Insulating, shockproof and self-extinguishing material according to UL94 V0 (glow wire test up to 960°C). Dimensional stability from -20 to +60°C, shock resistance of 6 joules. Suitable either as cable trunkings and feeder trunkings. Wide range of accessories. Approved by IMQ according to CEI 23-32+V1 Standard.



Plastic and metal trunking system

Underfloor trunkings



Range: 2 product lines for both concrete and raised floors. Insulating, shockproof and self-extinguishing material according to UL94 V0 (glow wire test up to 960°C). Dimensional stability from -20 to +60°C, shock resistance of 6 joules. Wide range of accessories, junction boxes and floor boxes.

Industrial trunkings



Range: 6 sizes in grey. Versions: punched and closed bases from 100 mm to 400 mm and 60 mm to 100 mm height. Insulating, shockproof and self-extinguishing material according to UL94 V0 (glow wire test up to 960°C). Dimensional stability from -20 to +60°C, shock resistance of 6 joules. Acid, oil, chemical and weather agents resistant. Wide range of accessories.

Wiring ducts



Range: 28 sizes in RAL 7030 grey. Versions with 4/6 mm and 8/12 mm slots. Insulating, shockproof and self-extinguishing material according to UL94 V0 (glow wire test up to 960°C). Dimensional stability from -20 to +60°C. Acid, oil, and grease resistant. High quality execution, with no burrs and rounded off edges to protect cable wiring. Accessory for snap-on fitting on DIN rail and base plate. Approved by IMQ according to EN 50085-2-3, UL and CSA Standards.

Halogen free wiring ducts



Range: 22 sizes in RAL 6500 green, 4/6 mm and 8/12 mm slots. Halogen free thermoplastic material (VDE 0472 Part 815), class F1 of optical density and toxicity index (NF F16-101), insulating, shockproof and self-extinguishing according to UL 94 V0 (glow wire test up to 850°C). Dimensional stability from -40 to +100°C. High quality execution, with no burrs and rounded off edges to protect cable wiring.



Aluminium trunkings



Range: 3 sizes with 100, 150, 200 mm bases and 60 mm height. Manufactured in "natural" anodized aluminium with IP40 degree of protection. Supplied with cover, that can be removed with proper equipment. Wide range of accessory. Wall and ceiling mounting.

Lighting and equipment mounted trunkings



Range: 50x50 mm sizes in plain steel, RAL 7030 grey, electric blue, RAL 9016 white. Available with plastic or metal cover. Manufactured in aluzink B500 AZ150 galvanized steel sheet painted after the galvanising process. Wide range of accessories. Approved by IMQ according to CEI 23-31+V1 Standard.

Trunkings systems



Range: 7 sizes with bases from 75 mm to 500 mm and 50 mm to 75 mm height. Punched and closed versions in three colours: plain steel, RAL 7032 grey, electric blue. Hot-galvanized steel sheet (sendzimir type). Painting carried out after the hot-galvanising process with epoxidic powders. IP20, IP40, IP44 and IP55 degree of protection. Wide range of accessories with 125 mm bend. Approved by IMQ according to CEI 23-34 V1 Standard.

Cable ladder and IP20/IP40 trunkings (hot dip galvanisation)



Range: 6 sizes with bases from 100 mm to 600 mm, and three sizes with 60 mm to 130 mm height. Versions: IP40 closed, IP20 punched and cable ladder trunkings. Manufactured in hot galvanized Fe P11 carbon steel sheet according to UNI E 14.07.000.0, CEI 7-6 and BS 729. Standard depth of 1,5 mm. The special moulding of the profiles makes them sturdy and resistant to flexion or twisting. All corners and branch elements have 300 mm wide bend angles.





UNI EN ISO 9001

In consideration of modifications to Standards and materials, the characteristics and overall dimensions indicated in this catalogue may be considered binding only following confirmation by ABB SACE

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