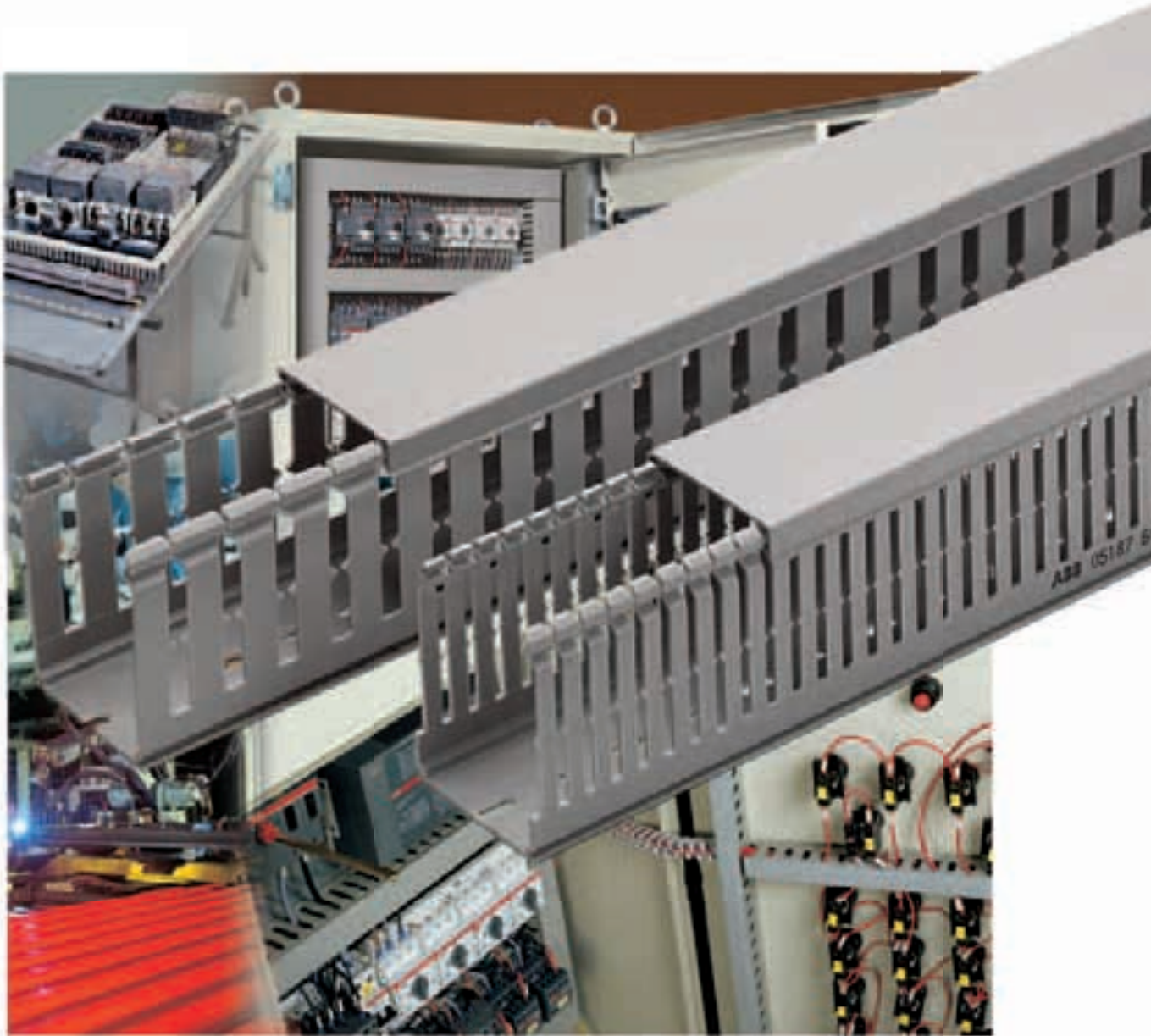


ABB wiring ducts

Allied to your business



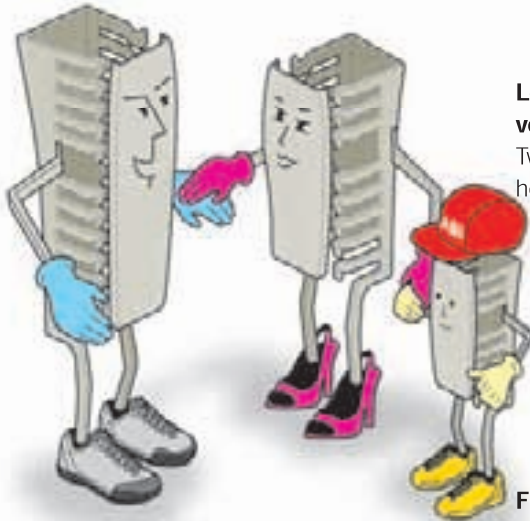
ABB

Whatever you need, ABB has got what you're looking for.

For cabling in electrical switchboards and cabinets, ABB Sace has the wiring ducts you need for every application: with slots or with knock-outs, flexible and in lead-free and halogen-free thermoplastics. The first on the market to be awarded the EN 50085-2-3 conformity, ABB wiring ducts are now available in new versions that are even more practical, safer and faster to install. Discover the new features.

Easy closing of covers

Better robustness

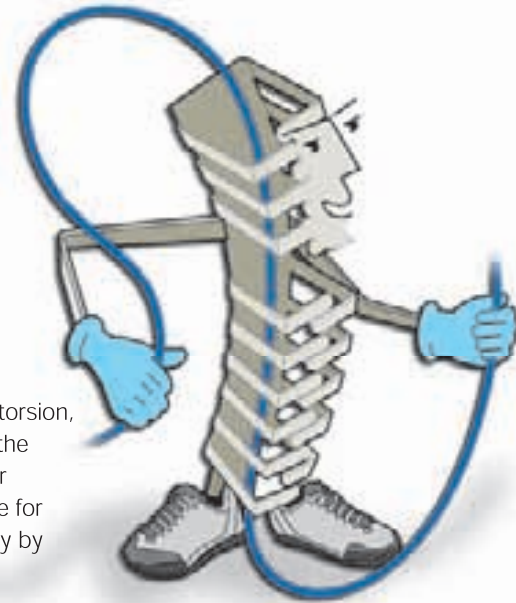


Lead-free thermoplastic ducts with vertical slots 8-12 / 4-6 mm

Twenty-eight combinations of base and height, up to 150 mm x 100 mm when you need plenty of space for your cables. The new cover and strong sides contain and protect cables, and the system features rapid installation and rib removal that won't hurt your hands.

Flexible thermoplastic ducts

For cabling routes that are subject to flexion and torsion, these ducts bend without breaking or damaging the cables inside. Affix them with screws and rivets or with the special high-bond adhesive tape (suitable for use even on steel). Add and remove cables simply by splaying open the ribs.



Thermoplastic ducts with knock-outs

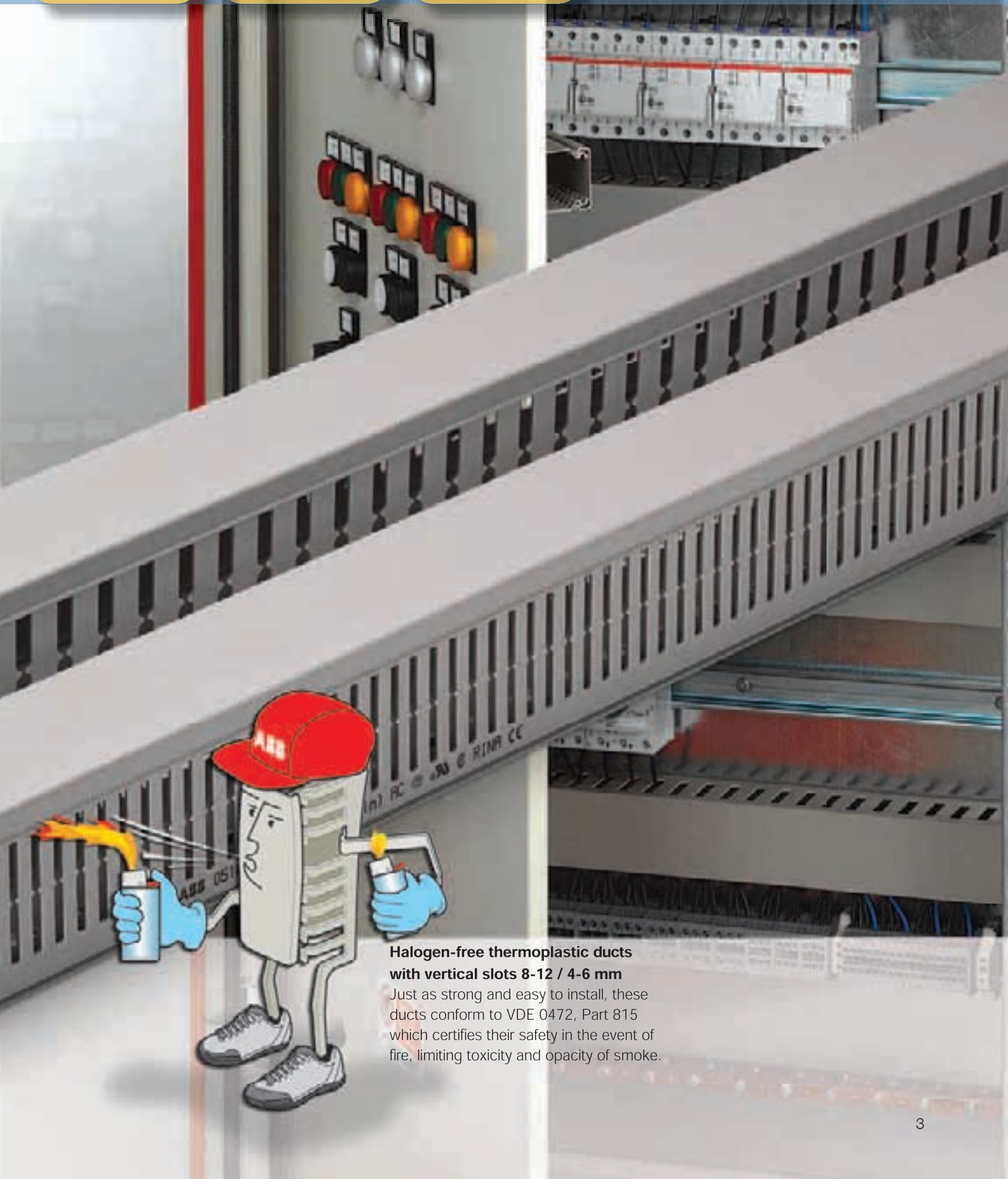
The circular knock-outs on the sides protect the cables from dirt and dust (IP40) and facilitate branch connections using rigid and corrugated conduits and cables. These ducts are ideal for use in lift rooms and similar locations.



Safety:
protects
cables and
operator

**Easy
removal
of ribs**

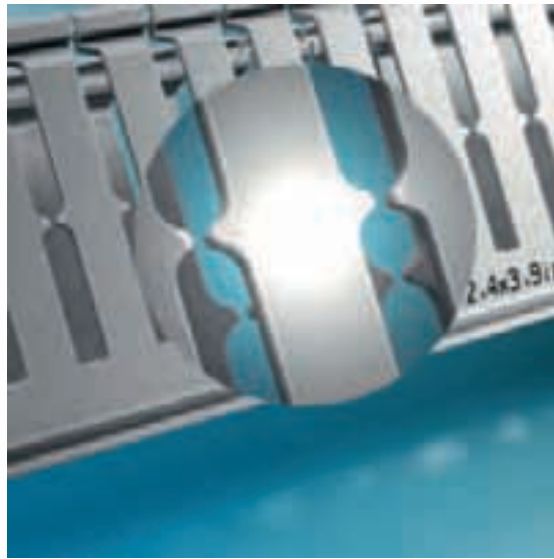
**Conforms
to RoHS
directive**



**Halogen-free thermoplastic ducts
with vertical slots 8-12 / 4-6 mm**

Just as strong and easy to install, these ducts conform to VDE 0472, Part 815 which certifies their safety in the event of fire, limiting toxicity and opacity of smoke.

You want the best. We'll give it to you.



The details that make the difference

Not one line is out of place: the pre-scored lines at the base of each rib and inside the ducts sides enable you to make clean, precise openings for passing cables.

Stronger and tougher

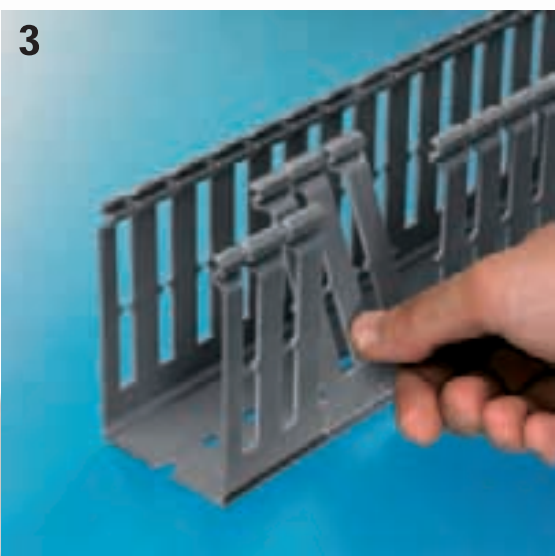
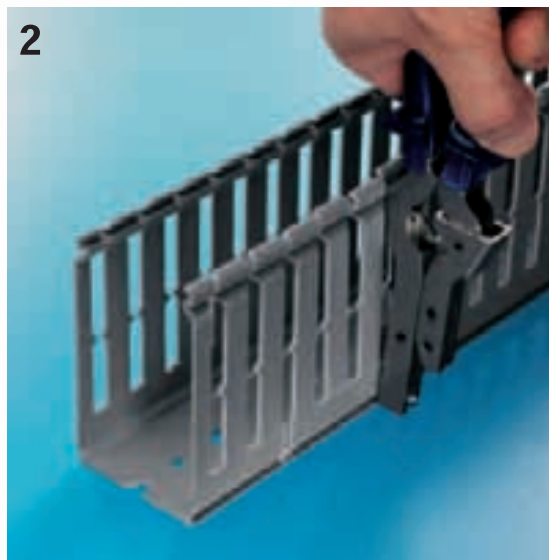
The duct is now even stronger to contain and support cables in whatever position it's installed.



Easy closing of cover

We've changed the profile of the cover: now all you need to do is position it over the duct, and a light pressure snaps it into place over all the ribs together.





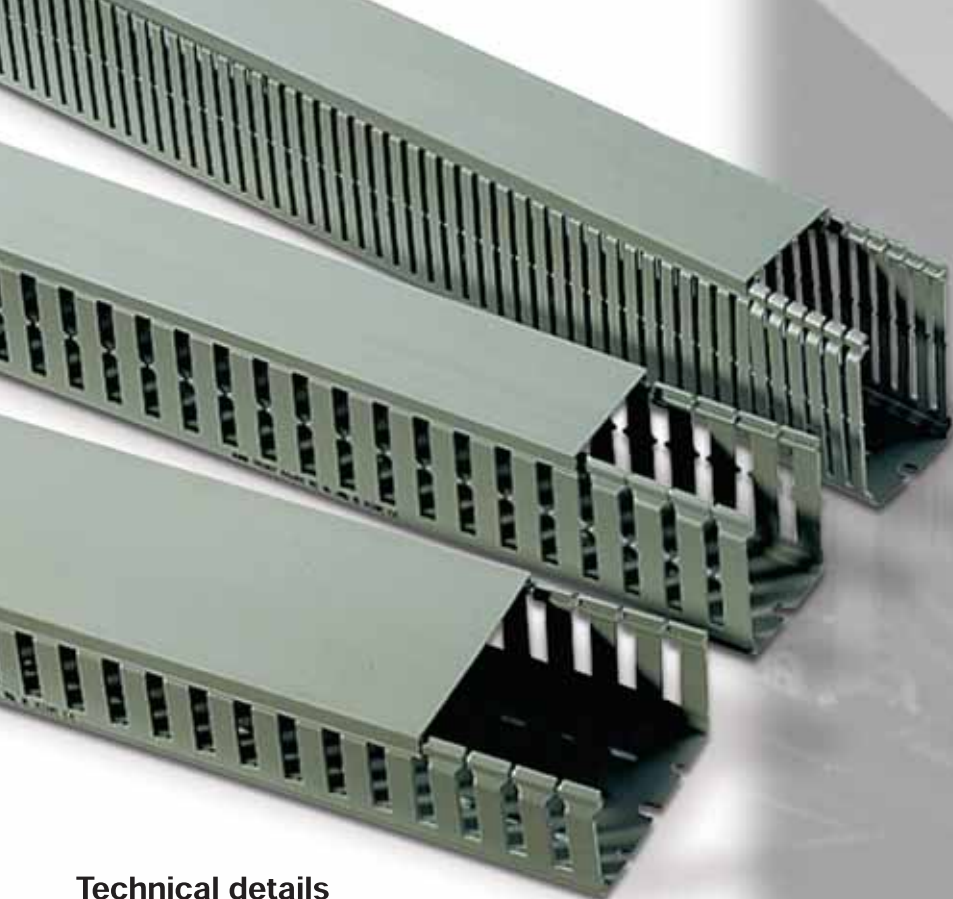
Better and faster

Attach the profile and remove the rib, repeat the operation and in just a few seconds you have your cabling done. And it's even faster and more precise with the special tools and accessories: the shears, the Fix-O-Rapid accessory for fixing to DIN rails and mounting plates, and the rivet fastener.



Total safety

We know how you work. You can't afford to make mistakes or lose time, and that's why we develop materials and shapes that protect both you and your installations. You can handle our ducts practically and safely: the ribs bend up to around 90° without breaking and, like all other parts, they are free from burrs or sharp edges that could lead to abrasions on hands and cables.



Technical details

- **colour RAL 7035 grey**
- halogen-free thermoplastic material in compliance with VDE 0472 Part 815 Standard: Br + Cl < 0.2 %, F < 0.1 %
- smoke toxicity index:
25.78 according to NF X70-100 and NF F16-101 Standards
- smoke opacity index*:
Dm 352.2 (2 mm)
V0F4 475.8 (2 mm) in compliance with NF X10-702 Standard (reference NF F16-101)
* in the event of fire, it is extremely important for the smoke opacity level to be as low as possible during the first 4 minutes in order to allow people to move away from the areas of risk
- on the basis of the values obtained during the smoke opacity and toxicity tests, the material falls within class F2 (in compliance with NF F16-101 Standard)
- insulating, shock-proof, self-extinguishing material in compliance with UL 94 V0 Standard and resistant to abnormal heat and fire up to 850°C (glow wire test) in compliance with IEC 695-2-1 Standard
- dimensional stability from -40 to +100 °C
- resistant to acids, oils and greases
- absence of burrs, rounded internal edges
- dimensions and resilience of ribs guarantee repeated splaying during the wiring phase
- controlled splaying of sides for guaranteeing a perfect seal of the cover in vertical sections and in the case of high temperatures
- two prearranged trimming lines: one line at the basis of ribs in order to remove them by bending them towards the outside direction and another line at the basis of the wall in order to cut the edge when two connection ducts are used
- cable holder mouldings halfway along the straight section of the ribs in 80 mm high ducts
- standard 2-metre length
- **trunkings comply with the EN 50085-2-3 European Standard**
- fields of application: residential, industrial and commercial

HALOGEN FREE

Wiring ducts

Halogen free wiring ducts with vertical slots



Article	Dimensions WxH (mm)	Unit/pack-metres
---------	---------------------	------------------

Ducts with 8/12 mm slots

1SL9019A00	15x17	46
1SL9033A00	25x30	58
1SL9035A00	40x30	40
1SL9037A00	60x30	52
1SL9043A00	25x40	48
1SL9045A00	40x40	30
1SL9047A00	60x40	40
1SL9049A00	80x40	32
1SL9051A00	100x40	24
1SL9053A00	120x40	20
1SL9063A00	25x60	34
1SL9065A00	40x60	22
1SL9067A00	60x60	32
1SL9069A00	80x60	24
1SL9071A00	100x60	20
1SL9073A00	120x60	14
1SL9083A00	25x80	28
1SL9085A00	40x80	36
1SL9087A00	60x80	24
1SL9089A00	80x80	16
1SL9091A00	100x80	16
1SL9093A00	120x80	12

Ducts with 4/6 mm slots

1SL9119A00	15x17	46
1SL9133A00	25x30	58
1SL9135A00	40x30	40
1SL9137A00	60x30	52
1SL9143A00	25x40	48
1SL9145A00	40x40	30
1SL9147A00	60x40	40
1SL9149A00	80x40	32
1SL9151A00	100x40	24
1SL9153A00	120x40	20
1SL9163A00	25x60	34
1SL9165A00	40x60	22
1SL9167A00	60x60	32
1SL9169A00	80x60	24
1SL9171A00	100x60	20
1SL9173A00	120x60	14
1SL9183A00	25x80	28
1SL9185A00	40x80	36
1SL9187A00	60x80	24
1SL9189A00	80x80	16
1SL9191A00	100x80	16
1SL9193A00	120x80	12

Technical details

- **colour RAL 7030 grey**
- plastic, insulating, shock-proof, self-extinguishing material in compliance with UL 94 V0 Standard and resistant to abnormal heat and fire up to 960 °C (glow wire test) in compliance with IEC 695-2-1 Standard
- minimum storage/transport temperature -5 °C
- minimum installation and usage temperature -15 °C
- maximum usage temperature +60 °C
- resistant to acids, oils and greases
- no burr, rounded-off inner edges
- new rib profile makes it easy to open and close the cover and guarantees that it clips on more safely
- designed to snap onto the Fix-O-rapid special accessory, suitable to be fastened both to DIN rail and base plate
- the ribs are cut using a special pressing process (rounding of the edges) producing wiring ducts completely free of burr and rough edges
- the dimensions and resilience of the ribs ensure repeated splaying during cabling
- controlled splaying of sides to ensure a perfect seal of the cover in the vertical sections and at high temperatures
- double trimming line, one at the base of the ribs so that they can be removed by bending them outwards and one at the base of the lateral sides so that the edge can be cut when two wiring ducts are branched
- cable holder mouldings half-way up the straight section of the ribs in 80 and 100-mm high wiring ducts
- cover can be opened without having to use a special tool
- can be mounted on horizontal or vertical surfaces even when the cover is on the bottom
- standard 2-metre length
- industrial application

FLCP9810



Approved by Underwriters Laboratories



RINA Approved Declaration N°5/16391



Approved by Canadian Standards Association



NF mark in compliance with EN 50085-2-3 Standard

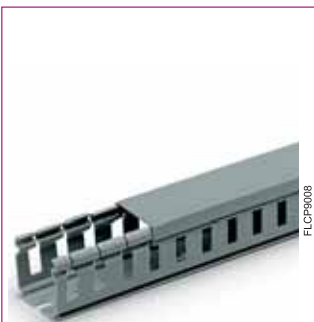


IMQ mark in compliance with EN 50085-2-3 Standard



Wiring ducts

Thermoplastic wiring ducts with vertical slots



Article	Dimensions WxH (mm)	Weight (kg/m)	Unit/pack-metres
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Wiring duct with 8/12 mm slots

05 019	15x17	0.06	92
05 033	25x30	0.21	116
05 035	40x30	0.27	80
05 037	60x30	0.38	52
05 043	25x40	0.25	96
05 045	40x40	0.31	60
05 047	60x40	0.46	40
05 049	80x40	0.47	32
05 051	100x40	0.55	24
05 053	120x40	0.65	20
05 063	25x60	0.24	68
05 065	40x60	0.34	44
05 067	60x60	0.47	32
05 069	80x60	0.52	24
05 071	100x60	0.59	18
05 073	120x60	0.73	14
05 083	25x80	0.29	56
05 085	40x80	0.38	36
05 087	60x80	0.50	24
05 089	80x80	0.59	16
05 091	100x80	0.68	16
05 093	120x80	0.89	12
05 094	25x100	0.46	40
05 095	40x100	0.53	28
05 096	60x100	0.73	20
05 097	80x100	0.91	14
05 098	100x100	1.06	8
05 099	150x100	1.37	8



Wiring duct with 4/6 mm slots

05 119	15x17	0.06	92
05 133	25x30	0.21	116
05 135	40x30	0.27	80
05 137	60x30	0.38	52
05 143	25x40	0.25	96
05 145	40x40	0.31	60
05 147	60x40	0.46	40
05 149	80x40	0.47	32
05 151	100x40	0.55	24
05 153	120x40	0.65	20
05 163	25x60	0.24	68
05 165	40x60	0.34	44
05 167	60x60	0.47	32
05 169	80x60	0.52	24
05 171	100x60	0.59	18
05 173	120x60	0.73	14
05 183	25x80	0.29	56
05 185	40x80	0.38	36
05 187	60x80	0.50	24
05 189	80x80	0.59	16
05 191	100x80	0.68	16
05 193	120x80	0.89	12
05 194	25x100	0.46	40
05 195	40x100	0.53	28
05 196	60x100	0.73	20
05 197	80x100	0.91	14
05 198	100x100	1.06	8
05 199	150x100	1.37	8

Wiring ducts

Thermoplastic wiring ducts with vertical slots



Article	Description (mm)	Unit/pack-pieces
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Spare covers

05 300	Trunking base 15	2/200
05 302	Trunking base 25	2/60
05 304	Trunking base 40	2/40
05 306	Trunking base 60	2/24
05 308	Trunking base 80	2/16
05 310	Trunking base 100	2/48
05 312	Trunking base 120	2/36
05 314	Trunking base 150	2/28

Article	Description (mm)	Unit/pack-pieces
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Fix-O-rapid

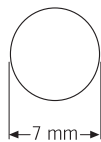
Rapid clip for DIN rail

05 250	Trunking base 25	20/600
05 252	Trunking base 40	20/600
05 254	Trunking base 60	20/600
05 256	Trunking base 80	20/240
05 258	Trunking base 100	20/240
05 260	Trunking base 120	20/240
05 262	Trunking base 150	20/240

Rapid clip for base plate

05 270	Trunking base 25	20/600
05 272	Trunking base 40	20/600
05 274	Trunking base 60	20/600
05 276	Trunking base 80	20/240
05 278	Trunking base 100	20/240
05 280	Trunking base 120	20/240
05 282	Trunking base 150	20/240

Can be snapped onto holes as shown:



Wiring ducts

Thermoplastic wiring ducts with vertical slots



Article	Description (mm)	Unit/pack-pieces
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Duct shears

05 265		1
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Rivet fastener

05 266	For ø 4 and 6mm rivets	1/12
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Plastic rivet

05 214	Ø 4 mm	100
05 216	Ø 6 mm	100

Plastic cable retainer

05 224	Trunking base 40	100
05 226	Trunking base 60	100
05 228	Trunking base 80	100
05 230	Trunking base 100/120	100

Plastic label tag

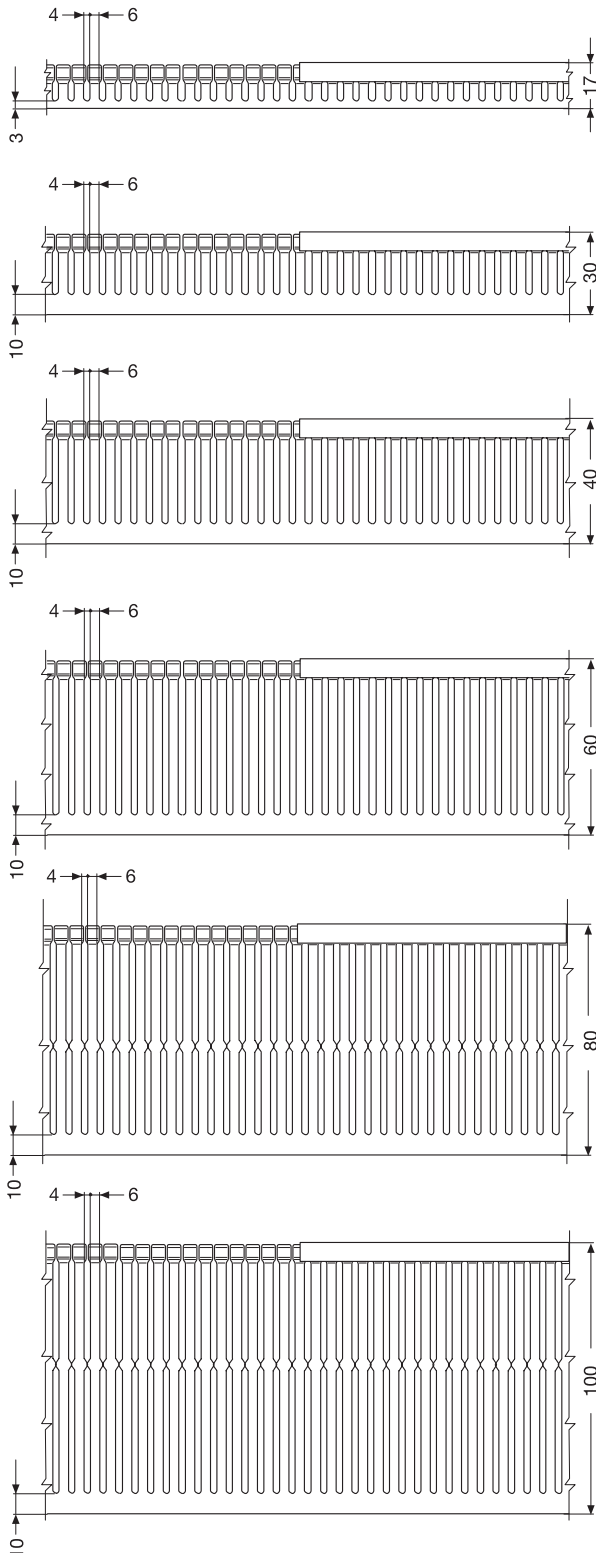
Suitable for wiring ducts with 8/12 mm slots only.		
05 240		100

Overall dimensions

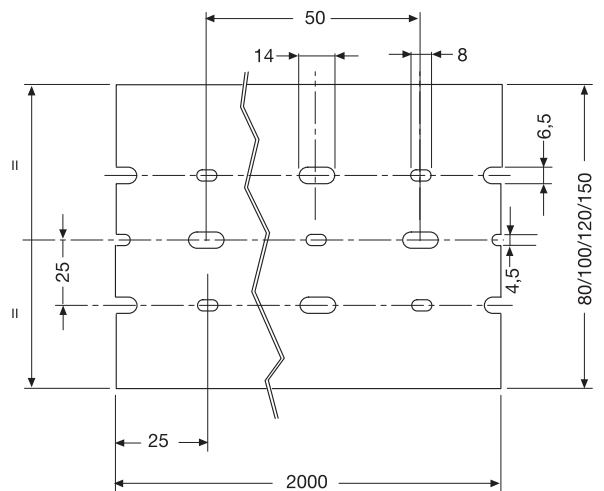
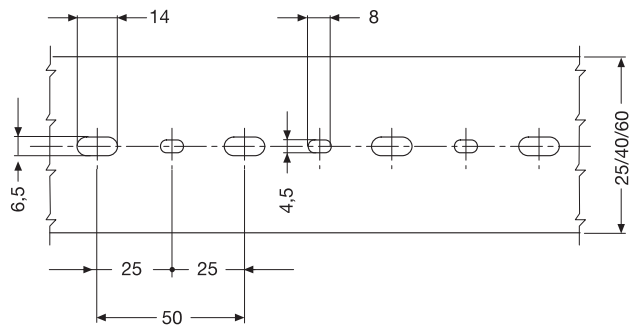
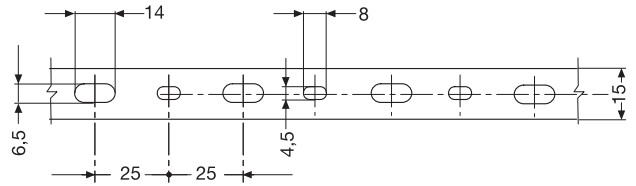
Halogen free wiring ducts

Thermoplastic and halogen free wiring ducts with 4/6 mm slots

CEI 23-22 Standard applies to plastic wiring ducts and their accessories to be used in the mechanical protection and support of cables in switchboards, in application with a maximum rated voltage of 1000 V in alternate current and 1500 V in direct current. Thermoplastic wiring ducts have obtained the IMQ certification.



H 100: only thermoplastic material ducts



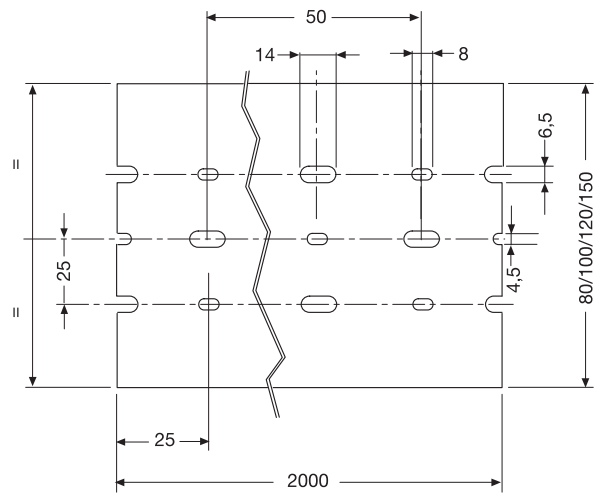
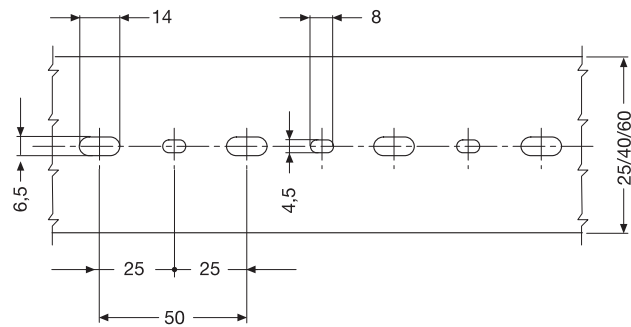
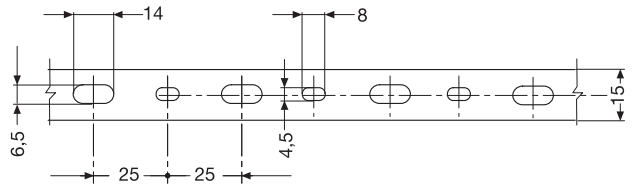
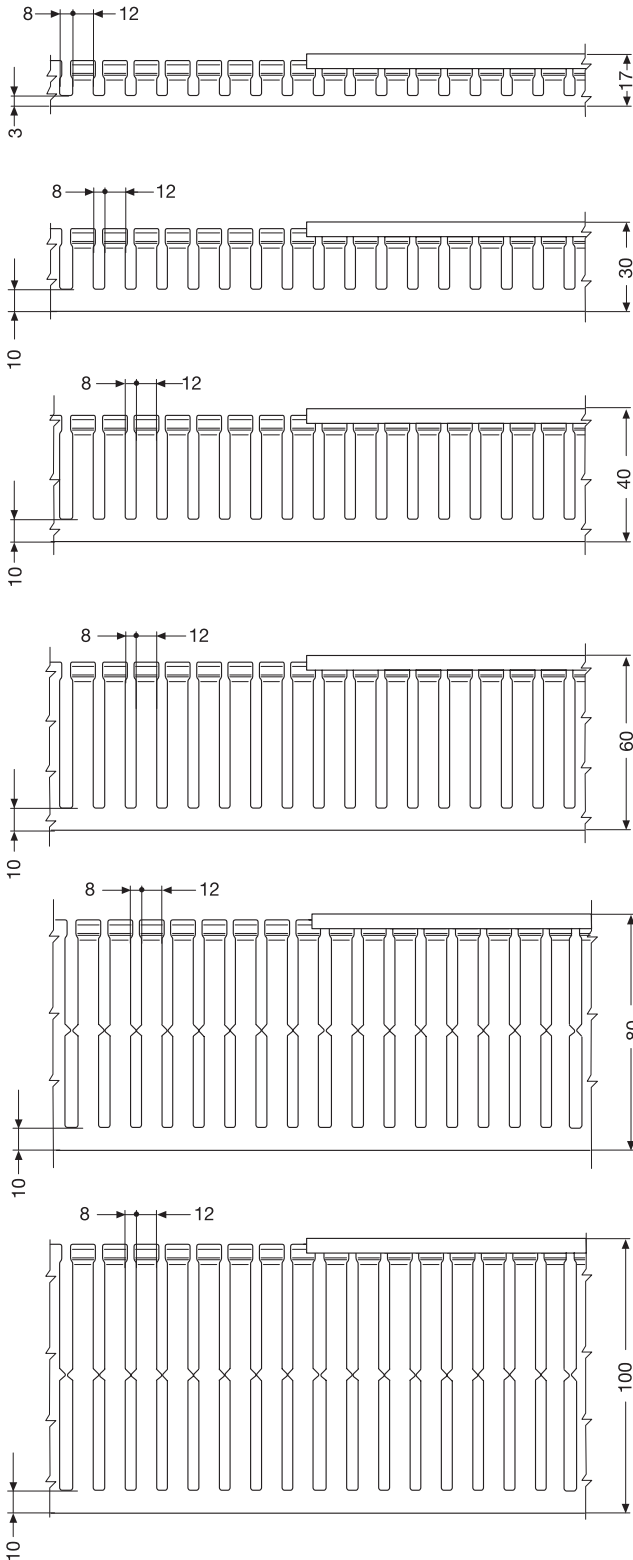
TSLC90023P0901

Overall dimensions

Thermoplastic wiring ducts

Thermoplastic and halogen free wiring ducts with 8/12 mm slots

CEI 23-22 Standard applies to plastic wiring ducts and their accessories to be used in the mechanical protection and support of cables in switchboards, in application with a maximum rated voltage of 1000 V in alternate current and 1500 V in direct current. Thermoplastic wiring ducts have obtained the IMQ certification.



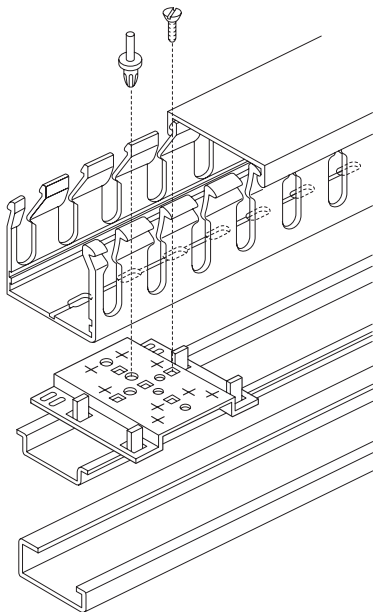
15.LC80024F0001

H 100: only thermoplastic material ducts

Overall dimensions

Thermoplastic wiring ducts

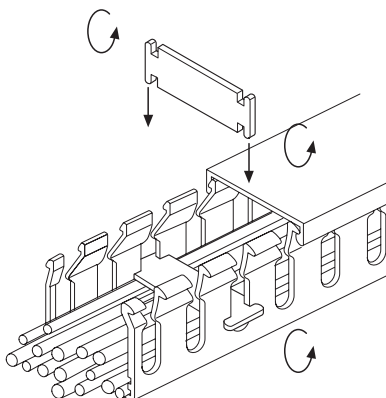
Plastic rivets and wiring duct bases



1SLC080025F09001

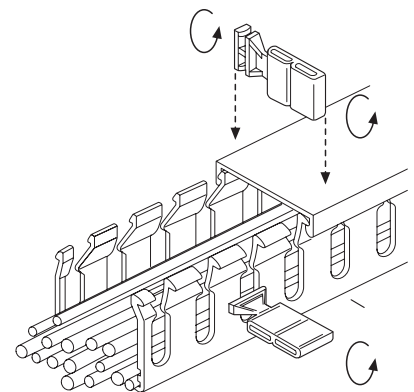
article
05 214 - 05 216 - 05 210

Plastic cable retainers



article
05 224 - 05 226 - 05 228 - 05 230

Plastic label tag

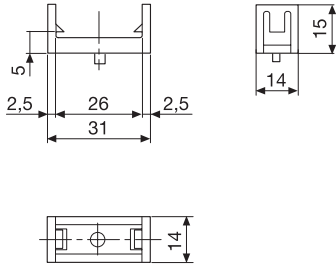


article
05 240

Overall dimensions

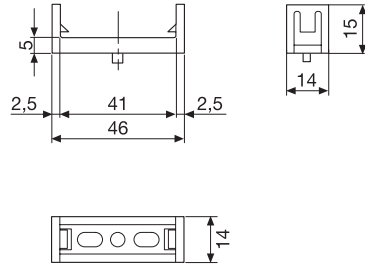
Accessories for wiring ducts

Clip for wiring ducts base 25



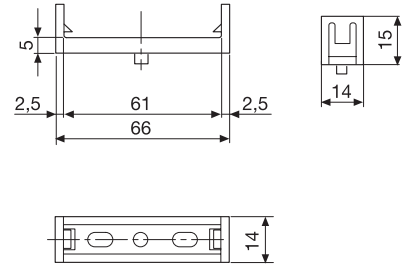
article
05 250 for DIN rail
05 270 for base plate

Clip for wiring ducts base 40



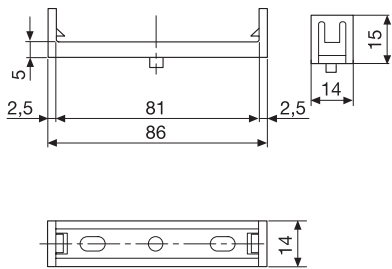
article
05 252 for DIN rail
05 272 for base plate

Clip for wiring ducts base 60



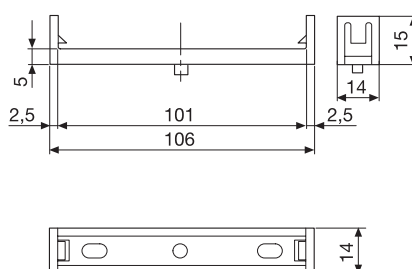
article
05 254 for DIN rail
05 274 for base plate

Clip for wiring ducts base 80



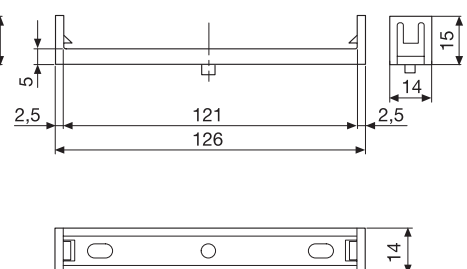
article
05 256 for DIN rail
05 276 for base plate

Clip for wiring ducts base 100



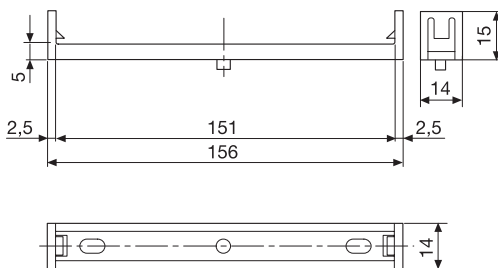
article
05 258 for DIN rail
05 278 for base plate

Clip for wiring ducts base 120

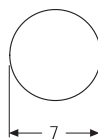


article
05 260 for DIN rail
05 280 for base plate

Clip for wiring ducts base 150



article
05 262 for DIN rail
05 282 for base plate



The FIX-O-RAPID for base plate can be snap-on inserted on punching as shown in the drawing.

1SLCR022FF0901



Due to possible developments of standards as well as of materials, the characteristics and dimensions specified in the present catalogue may only be considered binding after confirmation by ABB SACE.

ABB SACE

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