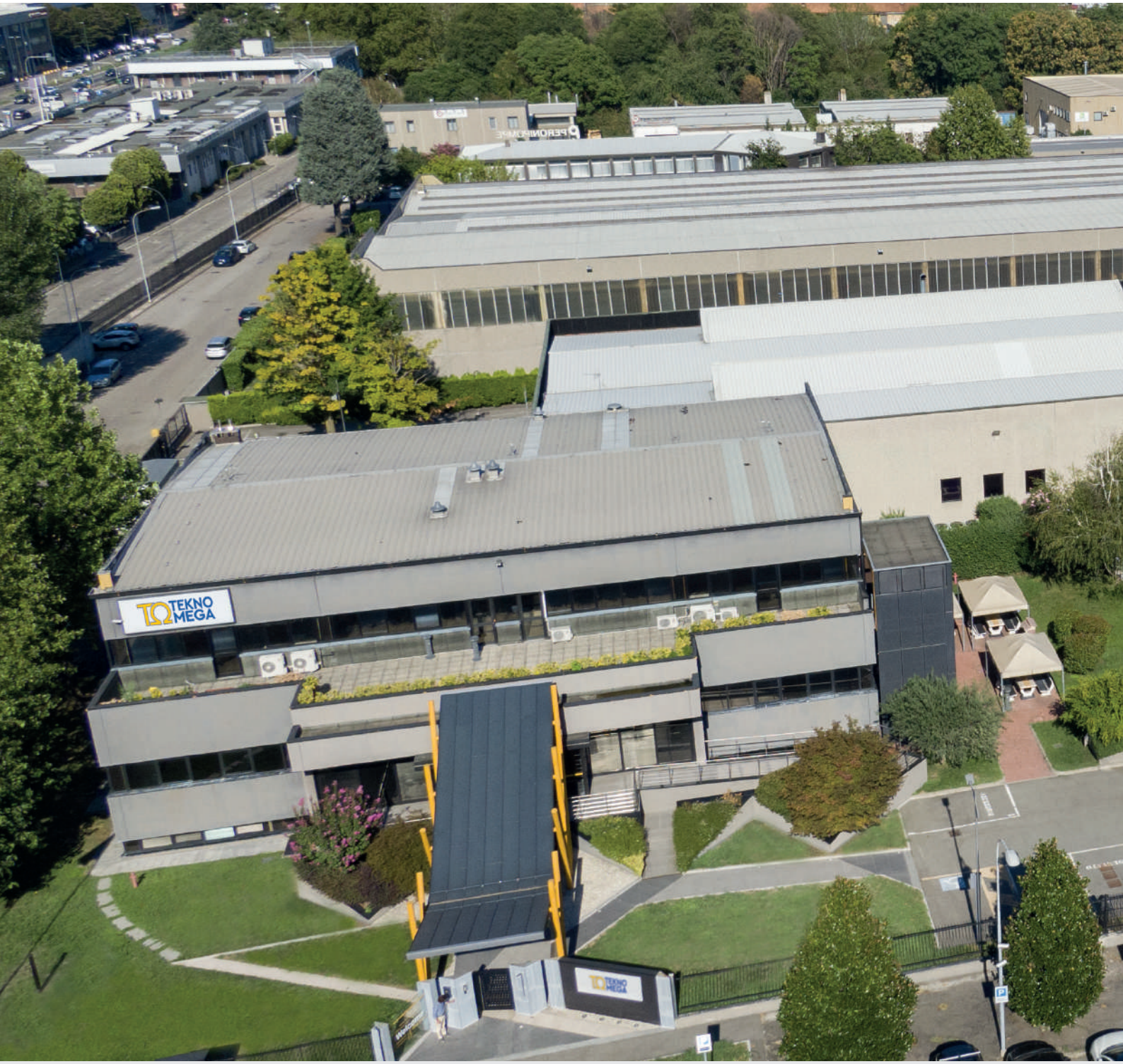


ELECTRICAL POWER SOLUTIONS

TEKNOMEGA

Evolving together

TEKNO MEGA



We help the electrical and industrial market to deliver innovative projects providing all-round reliable solutions and a competent, timely, and professional service.



OUR HISTORY

2004

FOUNDATION

Teknomega was founded in 2004 by a group of managers with a long technical and commercial

2007

FASTENING SOLUTIONS FOR PHOTOVOLTAIC PANELS

Our "Fastening solutions for photovoltaic panels" division is born

2010

30 COUNTRIES

We reach 30 countries worldwide

2012

ENLARGEMENT

We expand our Factory and Logistics Center

2014

SPAIN

We open our Spanish branch

2019

HEADQUARTER

New Headquarter

2022

PRODUCTION PLANT

We add a new production plant

WE ARE PRESENT IN OVER 70 COUNTRIES



We are committed to improving every day to reach increasingly more challenging targets. We are defined by our tenacity, reactivity, and determination. We are building a successful path and we intend to continue to follow it with ambition and audacity.



VISION

Our positive impact on the electrical and industrial market, being one of the most relevant companies, consists in providing innovative solutions and great reliability. In the community, it consists in being an example of care, inclusion, and transparency.

MISSION

Our Road Map includes:

• the reliability of a rigorous but flexible organization, oriented towards excellent customer services.

• solidity as a tool for investments, to grow in volume and culture, and to comply with norms and regulations.

• the consolidation of the workplace as a positive environment in which people can recognise themselves, increase their uniqueness while being part of a team, and feel a sense of belonging.

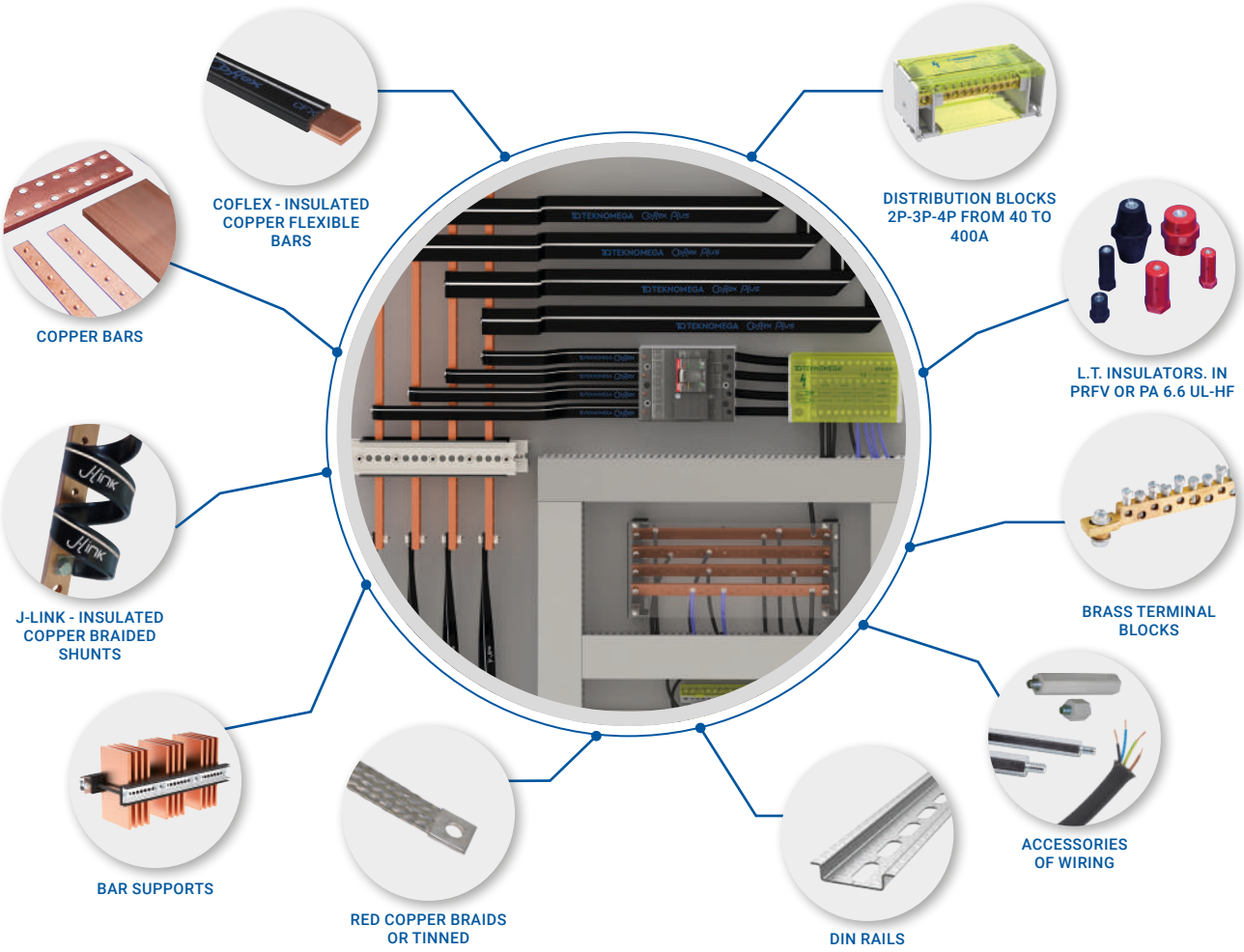




PURPOSE

TEKNOMEGA exists to leave a mark:
being able to generate trust in the market and in the community and through this attract clients and talent.

Product range



TEKNOMEGA offers a complete and synergic range of **ELECTRICAL POWER SOLUTIONS** and components for panel builders, machine builders, OEMs, with the great advantage of being assisted by a qualified partner with great field experience.

What TEKNOMEGA proposes complies with reference standards as well as with the requirements of the latest guidelines relevant to the safety and materials used. In addition to specific product regulations, compliance with REACH and RoHS directives when applicable is ensured.

Most products of this catalogue have been electrically and mechanically **TESTED** and **PROVEN**. The catalog products are normally available at our warehouses; TEKNOMEGA can also meet requests of "special" or "customized" products with competence, flexibility and quickness.

NOTE
For values (e.g., Current Intensity) related to parameters not specified in the catalog tables (e.g., temperature values), refer to ΩWARE downloadable from our website www.teknomega.it.

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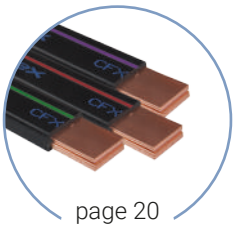
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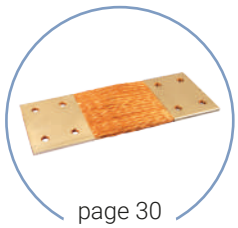

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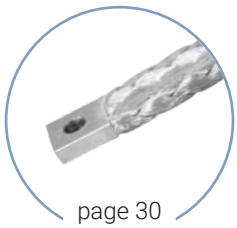
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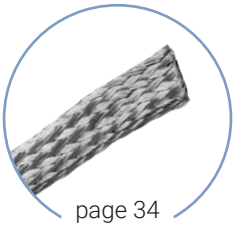

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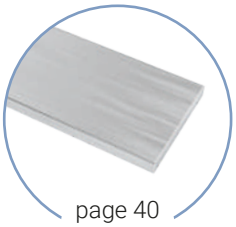

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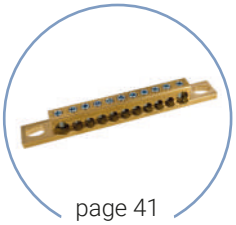

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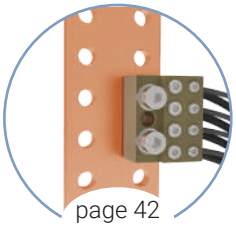

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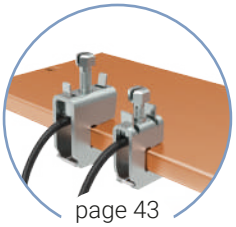

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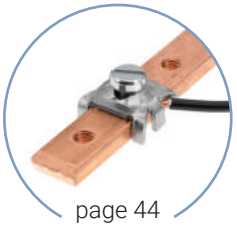

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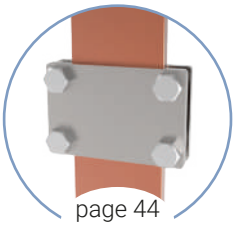

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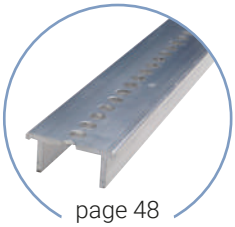

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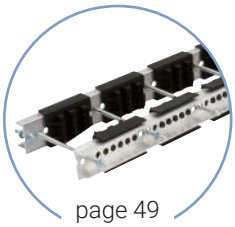
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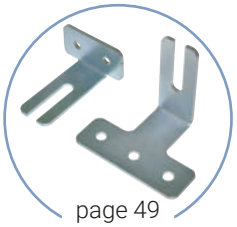

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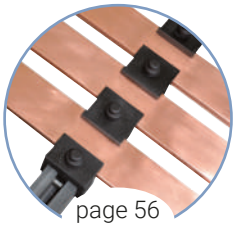

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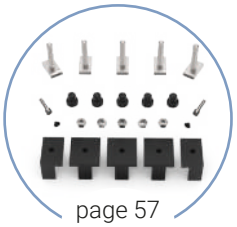

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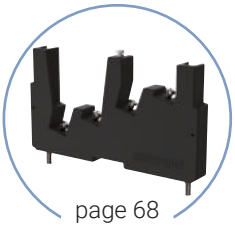

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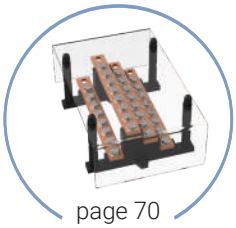

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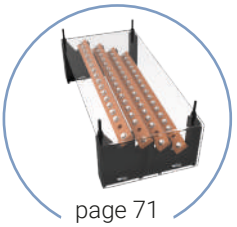

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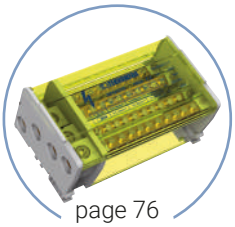

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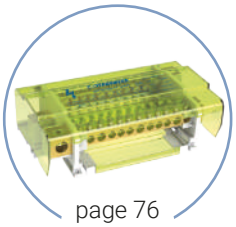

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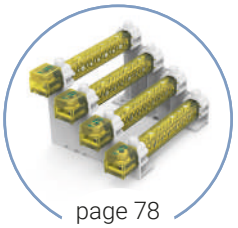

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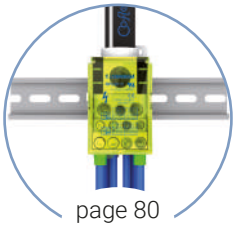

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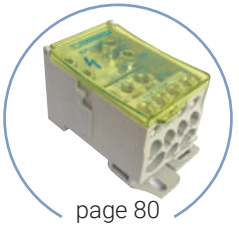

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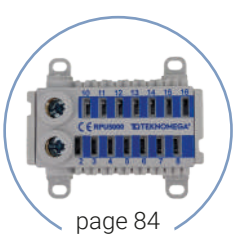

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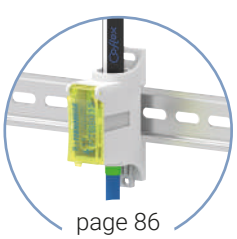

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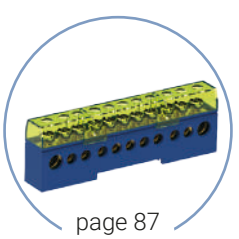

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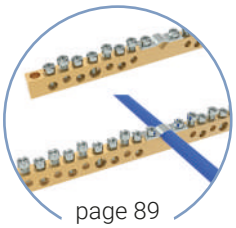

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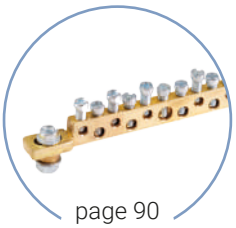

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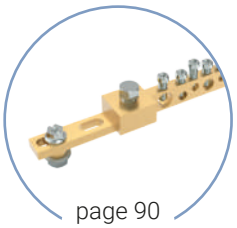

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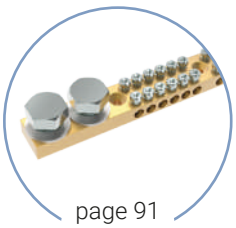
TERMINAL BLOCKS AND ACCESSORIES

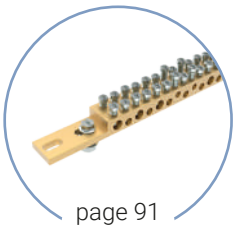

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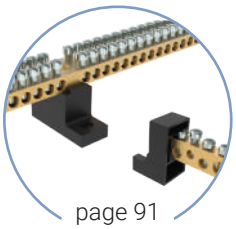

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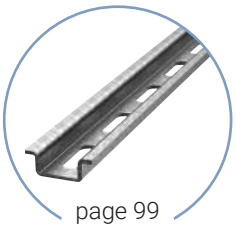

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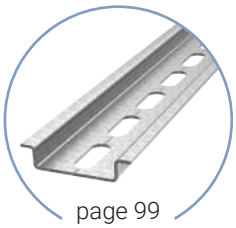

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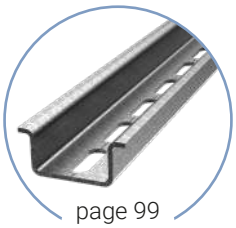

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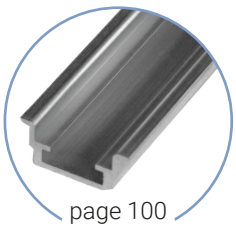
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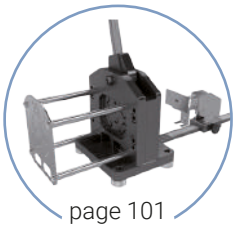

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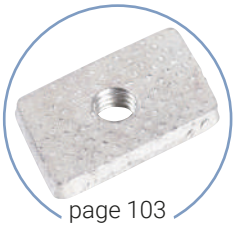

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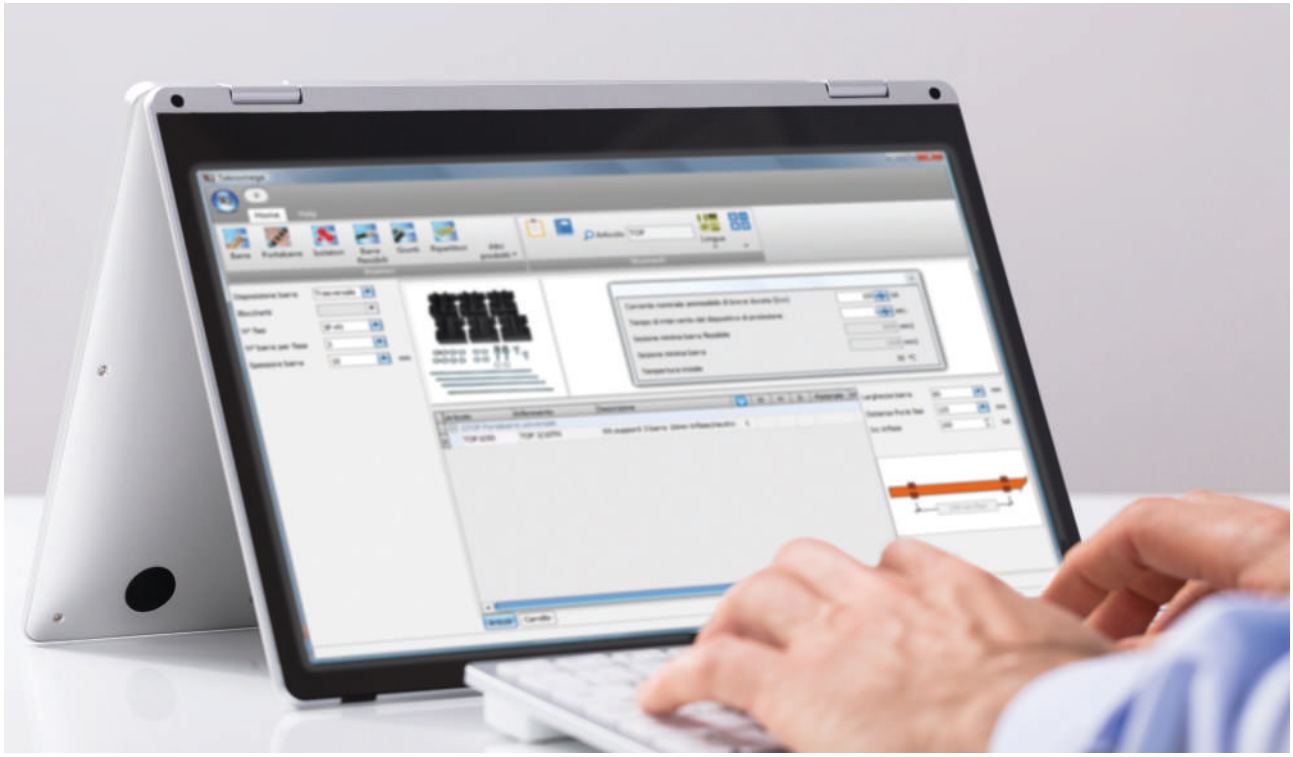

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ΩWARE

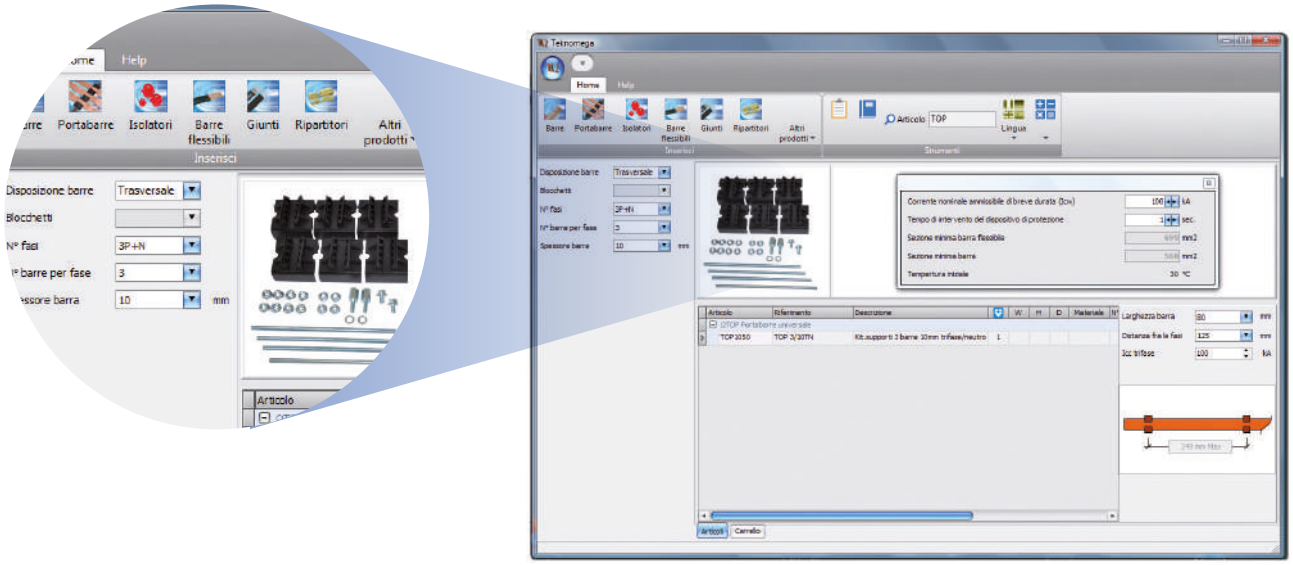
Ω ware



SOFTWARE FOR CALCULATIONS AND PRODUCTS SELECTION FOR PANEL BUILDERS

ΩWARE can calculate electrical parameters, select products for a specific project, calculate the right installation distances, list the chosen products, see the pricelist, the catalogue and the operating instructions, product datasheet and updated pricelists.

Quick and intuitive, ΩWARE will guide you in the selection of products, saving your time and avoiding possible mistakes. desiderata. Download it to our site: www.teknomega.com.





COFLEX, THE 4.0 FLEXIBLE BAR

From a TEKNOMEGA new and advanced manufacturing plant, COFLEX, the only "bi-color" flexible bar (patented), distinguishes itself for the high flexibility and excellent look.

COFLEX is the perfect conductor to connect:
- main power supply and electrical equipment (switches, disconnectors, etc.)
- busbar and cabinet / panel board
- transformer and busbar

COFLEX is designed with electrolytic copper laminates, covered with a highly resistant and self extinguishing insulation which guarantees an excellent electrical insulation, even with humid or aggressive environment, or high temperature.

Electrical connections using COFLEX are much easier than using standard methods such as cable or plain bar. Connections with COFLEX, making holes straight on the laminates, are safe and reliable and they make a panel board installation easier and faster.

ADVANTAGES COMPARED TO PLAIN BAR

- Easy shaping also for big sizes
- With same cross section, higher ampacity and safety improvement
- Reduction of material used and dimensions
- Savings in the cost and installation time of bar supports and/or insulators since the lessee is insulated

ADVANTAGES COMPARED TO CABLE

- Higher electrical ampacity with same cross section
- Reduction of dimensions for your installation
- Reduction of length and number of conductors
- Cost and time saving compared to the usage of cable terminals
- Zero electrical resistance without cable terminals



SAVING OF TIME



FOOTPRINT REDUCED

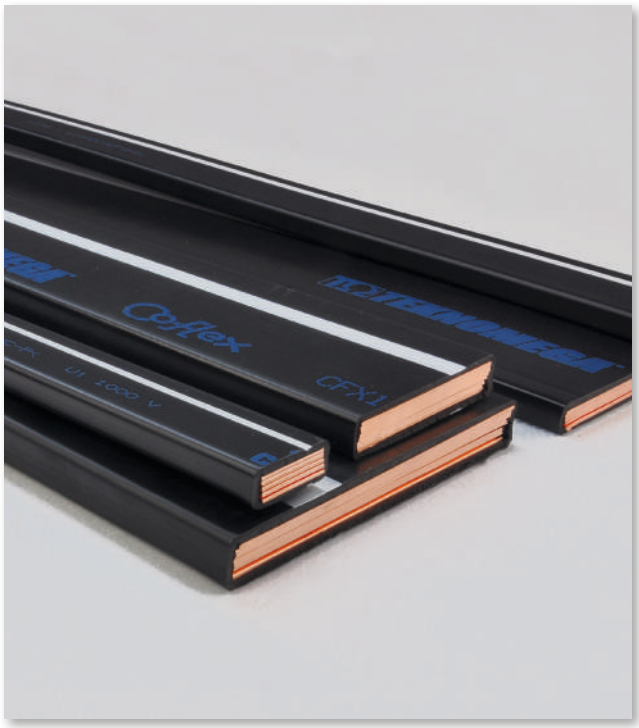


SAVING OF COPPER

NOTE

For values (e.g., Current Intensity) related to parameters not specified in the catalog tables (e.g., temperature values), refer to ΩWARE downloadable from our website www.teknomega.it.

PRODUCTS CONFORMING TO REGULATIONS

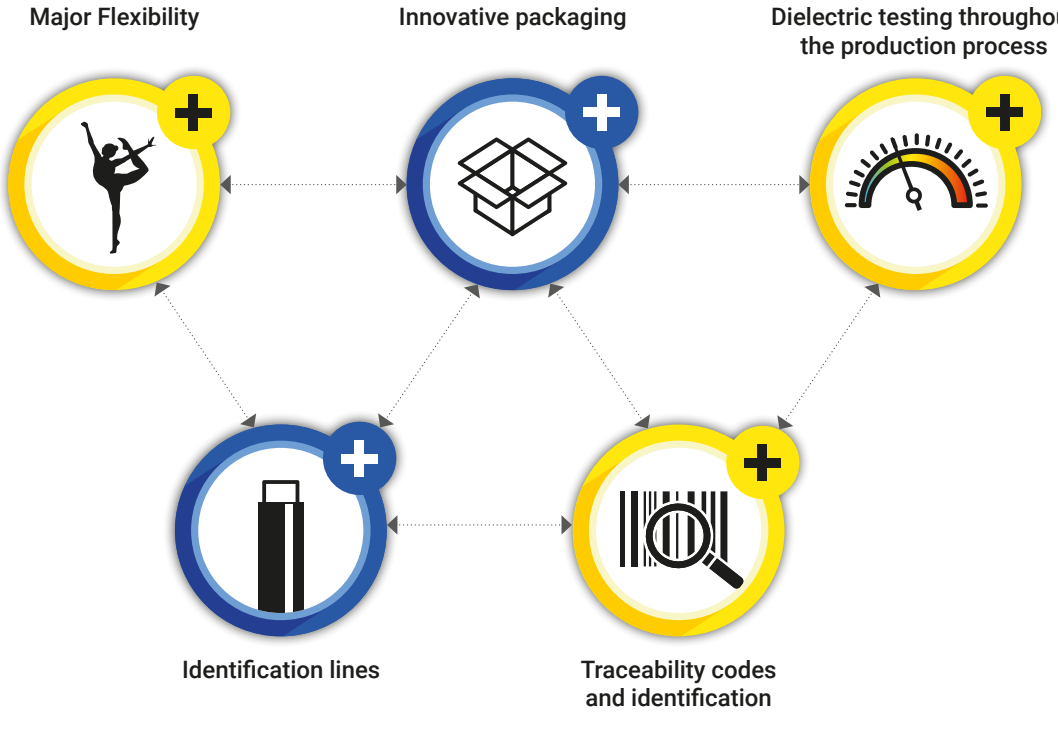




RANGE

Versions: COFLEX - COFLEX PLUS
Standard length: 2 - 3 m
Laminates width: 9 - 13 - 15,5 - 20 - 24 - 32 - 40 - 50 - 63 - 80 - 100 mm
Number of laminates: from 2 to 12, according to the bar's width
Cross section: from 20 to 1200 mm²

COFLEX ADDED VALUE



PRODUCTS CONFORMING TO REGULATIONS



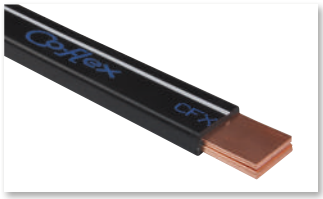
TECHNICAL CHARACTERISTICS

Conductor
Electrolytic copper:
Cu-ETP - EN 13599
Laminate thickness:
0.5 - 0.8 - 1 mm

Insulation
PVC compound
Black color with a white line
Self-extinguishing: UL 94-V0
Thickness: 2 mm
Dielectric rigidity: 20 kV / mm
Class II according to Par. 8.4.4 IEC 61439-1
Recyclable

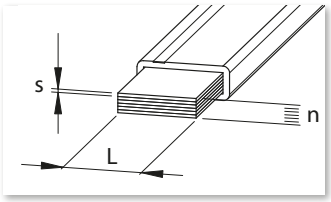
Finished product
Rated voltage:
1000 V AC / 1500 V DC
Working temperature:
-40 °C ÷ +105 °C

c UL us
File n°
E300607



Certifications:
Compliant with standard IEC 61439-2
CERTIFICATE ACAE-LOVAG

LOVAG
LOW VOLTAGE AGREEMENT GROUP
A C A E



CHOICE In – ΔT

In = Rated current A
ΔT= Temperature rise °C
Tf = Working temperature °C
Ta = Room temperature °C

EXAMPLE:
If the final operating temperature is 90 °C, consider the value corresponding to a thermal rise of 55 °C, as the following relationship applies:
Tf = Ta + ΔT
90 °C = 35 °C + 55 °C

REFERENCE EXAMPLE

CFX 4X20X1
Laminate number: **n** = 4
Laminate width: **L** = 20 mm
Laminate thickness: **s** = 1 mm

DERATING COEFFICIENT FOR THE USE OF BARS IN PARALLEL

	Number of bars in parallel		
Bar width (L)	//	///	// //
L < 63 mm	1.72	2.25	2.93
63 mm ≤ L < 100 mm	1.65	2.12	2.7
L = 100 mm	1.6	2.02	2.4

UPON REQUEST: Tinned copper laminates.

PRODUCTS CONFORMING TO REGULATIONS
REACH
RoHS COMPLIANT

2 METERS LENGTH

Table of ampacity (A) based on temperature rise ΔT as per IEC 61439-1
Reference room temperature 35°C

L	Code	Reference		Weight (kg)	Sect. (mm²)	Temperature rise ΔT			
						35 °C	45 °C	55 °C	70 °C
						Rated Intensity In (A)			
9	**CFX1005**	CFX 3X9X0,8	6	0,5	21,6	134	154	**172**	196
	CFX1020	CFX 6X9X0,8	6	0,9	43,2	201	230	**257**	292
	CFX1021	CFX 9X9X0,8	4	1,3	64,8	258	296	**330**	375
13	**CFX1022**	CFX 3X13X0,5	6	0,5	19,5	134	154	**172**	195
	NEW **CFX1026**	CFX 4X13X0,5	6	0,6	26	161	180	**200**	228
	CFX1023	CFX 6X13X0,5	6	0,9	39	196	225	**251**	285
	CFX1024	CFX 10X13X0,5	4	1,4	65	263	302	**337**	383
15,5	**CFX1025**	CFX 2X15,5X0,8	6	0,6	24,8	158	181	**202**	230
	CFX1035	CFX 4X15,5X0,8	6	1,1	49,6	230	264	**295**	335
	CFX1045	CFX 6X15,5X0,8	6	1,6	74,4	290	333	**371**	422
	CFX1050	CFX 10X15,5X0,8	4	2,5	124	394	452	**504**	573
20	**CFX1055**	CFX 2X20X1	6	1,0	40	215	246	**275**	312
	CFX1060	CFX 3X20X1	6	1,3	60	267	307	**342**	389
	CFX1065	CFX 4X20X1	6	1,7	80	314	360	**402**	457
	CFX1070	CFX 5X20X1	6	2,1	100	356	409	**456**	519
	CFX1075	CFX 6X20X1	6	2,4	120	396	454	**506**	576
	CFX1076	CFX 8X20X1	4	3,2	160	469	538	**600**	683
	CFX1080	CFX 10X20X1	4	3,9	200	537	616	**687**	782
24	**CFX1085**	CFX 2X24X1	4	1,2	48	247	283	**315**	359
	CFX1090	CFX 3X24X1	4	1,6	72	307	352	**392**	446
	CFX1095	CFX 4X24X1	3	2,0	96	359	412	**460**	523
	CFX1100	CFX 5X24X1	3	2,5	120	407	467	**521**	592
	CFX1105	CFX 6X24X1	3	2,9	144	451	518	**578**	657
	CFX1110	CFX 8X24X1	2	3,8	192	533	612	**683**	777
	CFX1115	CFX 10X24X1	2	4,7	240	609	699	**779**	887
32	**CFX1120**	CFX 2X32X1	4	1,5	64	309	354	**395**	449
	CFX1125	CFX 3X32X1	4	2,1	96	383	439	**489**	557
	CFX1130	CFX 4X32X1	3	2,7	128	447	513	**572**	650
	CFX1135	CFX 5X32X1	3	3,3	160	505	579	**646**	735
	CFX1140	CFX 6X32X1	3	3,9	192	559	641	**715**	813
	CFX1145	CFX 8X32X1	2	5,0	256	657	754	**841**	957
	CFX1150	CFX 10X32X1	2	6,2	320	746	857	**955**	1088
40	**CFX1155**	CFX 2X40X1	4	1,9	80	369	423	**471**	536
	CFX1160	CFX 3X40X1	4	2,6	120	456	523	**583**	664
	CFX1165	CFX 4X40X1	3	3,4	160	532	610	**680**	774
	CFX1170	CFX 5X40X1	3	4,1	200	599	688	**767**	873
	CFX1175	CFX 6X40X1	3	4,8	240	662	759	**847**	964
	CFX1180	CFX 8X40X1	2	6,3	320	775	889	**992**	1129
	CFX1185	CFX 10X40X1	2	7,7	400	877	1007	**1123**	1278
50	**CFX1190**	CFX 3X50X1	4	3,3	150	546	626	**698**	794
	CFX1195	CFX 4X50X1	3	4,2	200	635	728	**811**	923
	CFX1200	CFX 5X50X1	3	5,1	250	714	819	**913**	1039
	CFX1205	CFX 6X50X1	3	6,0	300	786	902	**1006**	1145
	CFX1210	CFX 8X50X1	2	7,8	400	916	1052	**1173**	1336
	CFX1215	CFX 10X50X1	2	9,6	500	1033	1186	**1323**	1507
63	**CFX1220**	CFX 3X63X1	1	4,1	189	659	756	**842**	958
	CFX1225	CFX 4X63X1	1	5,3	252	764	877	**977**	1112
	CFX1230	CFX 5X63X1	1	6,4	315	857	984	**1097**	1248
	CFX1235	CFX 6X63X1	1	7,5	378	942	1081	**1205**	1372
	CFX1240	CFX 8X63X1	1	9,8	504	1093	1254	**1399**	1593
	CFX1245	CFX 10X63X1	1	12,1	630	1227	1409	**1571**	1790
80	**CFX1250**	CFX 3X80X1	1	5,2	240	803	920	**1026**	1167
	CFX1255	CFX 4X80X1	1	6,7	320	928	1064	**1186**	1350
	CFX1260	CFX 5X80X1	1	8,1	400	1038	1191	**1328**	1511
	CFX1265	CFX 6X80X1	1	9,6	480	1138	1305	**1455**	1657
	CFX1270	CFX 8X80X1	1	12,4	640	1314	1508	**1682**	1916
	CFX1275	CFX 10X80X1	1	15,3	800	1468	1686	**1881**	2143
100	**CFX1280**	CFX 4X100X1	1	8,3	400	1114	1277	**1424**	1620
	CFX1285	CFX 5X100X1	1	10,1	500	1243	1426	**1589**	1809
	CFX1290	CFX 6X100X1	1	11,9	600	1358	1558	**1738**	1979
	CFX1295	CFX 8X100X1	1	15,5	800	1561	1792	**1999**	2277
	CFX1300	CFX 10X100X1	1	19,1	1000	1739	1996	**2227**	2538
	CFX1305	CFX 12X100X1	1	22,7	1200	1899	2180	**2433**	2774

Items in stock. Other sizes available upon request.

PRODUCTS CONFORMING TO REGULATIONS

3 METERS LENGTH

Table of ampacity (A) based on temperature rise ΔT as per IEC 61439-1
Reference room temperature 35°C

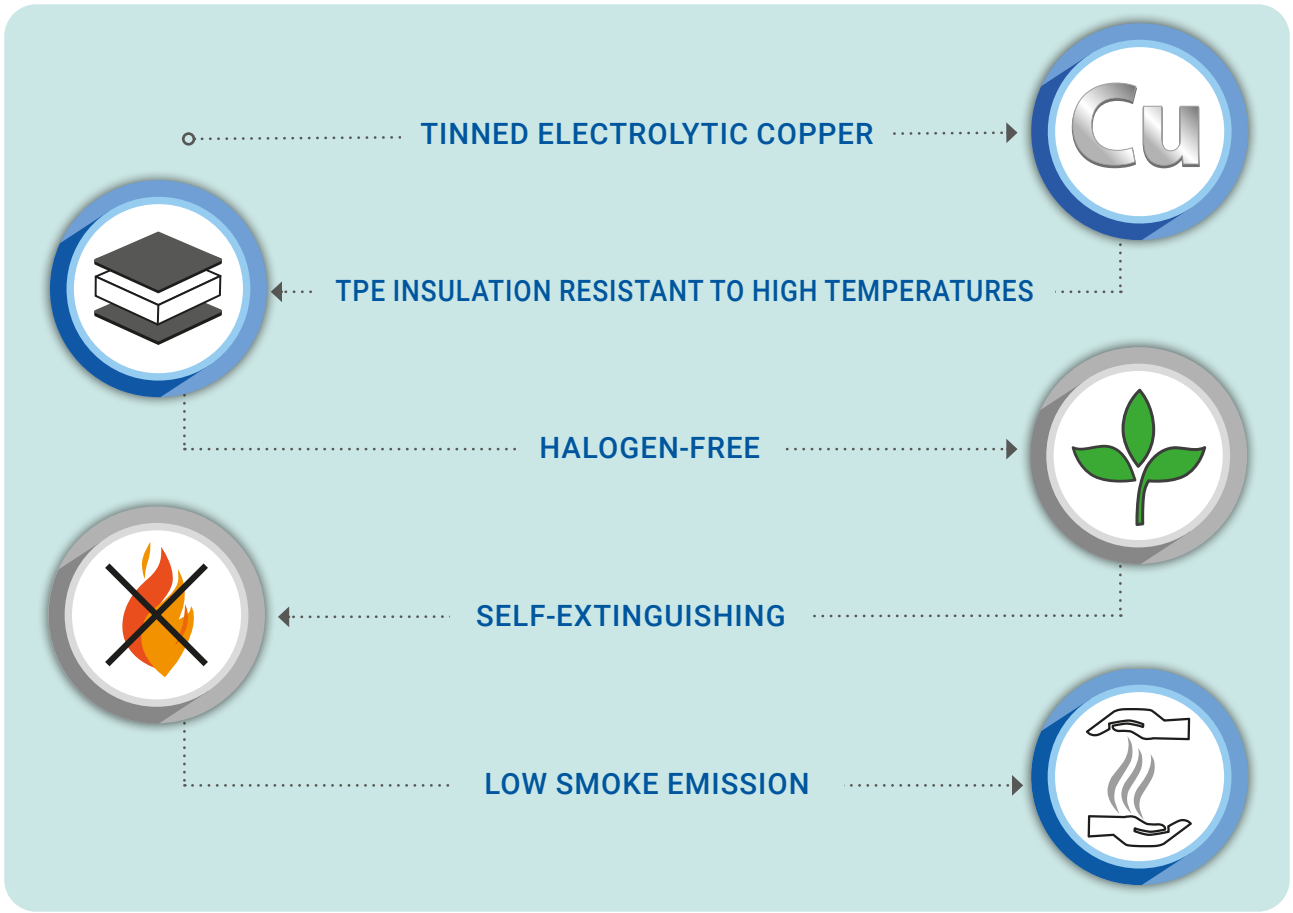
L	Code	Reference		Weight (kg)	Sect. (mm^2)	Temperature rise ΔT			
						35 °C	45 °C	55 °C	70 °C
						Rated Intensity In (A)			
9	**CFX3005**	CFX 3X9X0,8-3	1	0,77	21,6	134	154	**172**	196
20	**CFX3055**	CFX 2X20X1-3	1	1,45	40	215	246	**275**	312
	CFX3060	CFX 3X20X1-3	1	2,00	60	267	307	**342**	389
	CFX3065	CFX 4X20X1-3	1	2,55	80	314	360	**402**	457
	CFX3070	CFX 5X20X1-3	1	3,11	100	356	409	**456**	519
24	**CFX3085**	CFX 2X24X1-3	1	1,73	48	247	283	**315**	359
	CFX3090	CFX 3X24X1-3	1	2,39	72	307	352	**392**	446
	CFX3095	CFX 4X24X1-3	1	3,05	96	359	412	**460**	523
	CFX3100	CFX 5X24X1-3	1	3,71	120	407	467	**521**	592
32	**CFX3120**	CFX 2X32X1-3	1	2,29	64	309	354	**395**	449
	CFX3125	CFX 3X32X1-3	1	3,17	96	383	439	**489**	557
	CFX3135	CFX 5X32X1-3	1	4,92	160	505	579	**646**	735
	CFX3145	CFX 8X32X1-3	1	7,54	256	657	754	**841**	957
40	**CFX3170**	CFX 5X40X1-3	1	6,13	200	599	688	**767**	873
	CFX3185	CFX 10X40X1-3	1	11,57	400	877	1007	**1123**	1278
50	**CFX3200**	CFX 5X50X1-3	1	7,64	250	714	819	**913**	1039

Items in stock. Other sizes available upon request.

PRODUCTS CONFORMING TO REGULATIONS



COFLEX is designed to be manufactured as well in a high performance version, COFLEX PLUS.
COFLEX PLUS is made from tin-plated electrolytic copper laminates and insulated with a new high-performance technopolymer.
COFLEX PLUS is halogen free, flame resistant and grants low smoke emission.
A unique solution to increase the reliability of your electrical connection, and the safety of electrical equipment at the same time.



PRODUCTS CONFORMING TO REGULATIONS



TECHNICAL CHARACTERISTICS

Conductor
Tinned electrolytic copper:
Cu-ETP - EN 13599
Laminate thickness:
0.5 - 0.8 - 1 mm

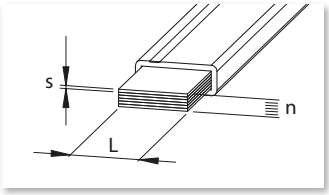
Certifications:
Compliant with standard IEC 61439-2
CERTIFICATE ACAE-LOVAG

Insulation
TPE compound
Black color with a light blue line
Low smoke emission
Self-extinguishing: UL 94-V0
Halogen free
Thickness: 1.9 mm
Dielectric rigidity: 20 kV / mm
Class II according to Par. 8.4.4 IEC 61439-1
Recyclable

c UL us
File n° E300607

Finished product
Rated voltage:
1000 V AC / 1500 V DC
Working temperature:
-40 °C ÷ +140 °C





CHOICE In – ΔT

In = Rated current A
ΔT= Temperature rise °C
Tf = Working temperature °C
Ta = Room temperature °C

EXAMPLE:
If the final operating temperature is 90 °C, consider the value corresponding to a thermal rise of 55 °C, as the following relationship applies: Tf = Ta + ΔT
90 °C = 35 °C + 55 °C

REFERENCE EXAMPLE

CFP 4X20X1
Laminate number: **n** = 4
Laminates width: **L** = 20 mm
Laminate thickness: **s** = 1 mm

DERATING COEFFICIENT FOR THE USE OF BARS IN PARALLEL

	Number of bars in parallel		
Bar width (L)	//	///	// //
L < 63 mm	1.72	2.25	2.93
63 mm ≤ L < 100 mm	1.65	2.12	2.7
L = 100 mm	1.6	2.02	2.4

UPON REQUEST: Red copper laminates.

PRODUCTS CONFORMING TO REGULATIONS

2 METERS LENGTH

Table of ampacity (A) based on temperature rise ΔT as per IEC 61439-1
Reference room temperature 35°C

L	Code	Reference		Weight (kg)	Sect. (mm²)	Temperature rise ΔT			
						35 °C	55 °C	70 °C	105 °C
						Rated Intensity In (A)			
9	**CFX5005**	CFP 3X9X0,8	6	0,5	21,6	134	**172**	196	242
	CFX5020	CFP 6X9X0,8	6	0,9	43,2	201	**257**	292	361
	CFX5021	CFP 9X9X0,8	4	1,3	64,8	258	**330**	375	464
13	**CFX5022**	CFP 3X13X0,5	6	0,5	19,5	134	**172**	195	241
	NEW **CFX5026**	CFP 4X13X0,5	6	0,6	26	161	**200**	228	282
	CFX5023	CFP 6X13X0,5	6	0,8	39	196	**251**	285	353
	CFX5024	CFP 10X13X0,5	4	1,3	65	263	**337**	383	473
15,5	**CFX5025**	CFP 2X15,5X0,8	6	0,6	24,8	158	**202**	230	284
	CFX5035	CFP 4X15,5X0,8	6	1,1	49,6	230	**295**	335	414
	CFX5045	CFP 6X15,5X0,8	6	1,5	74,4	290	**371**	422	522
	CFX5050	CFP 10X15,5X0,8	4	2,4	124	394	**504**	573	709
20	**CFX5055**	CFP 2X20X1	6	0,9	40	215	**275**	312	386
	CFX5060	CFP 3X20X1	6	1,3	60	267	**342**	389	482
	CFX5065	CFP 4X20X1	6	1,6	80	314	**402**	457	565
	CFX5070	CFP 5X20X1	6	2,0	100	356	**456**	519	641
	CFX5075	CFP 6X20X1	6	2,4	120	396	**506**	576	713
	CFX5076	CFP 8X20X1	4	3,1	160	469	**600**	683	845
	CFX5080	CFP 10X20X1	4	3,8	200	537	**687**	782	968
24	**CFX5085**	CFP 2X24X1	4	1,1	48	247	**315**	359	444
	CFX5090	CFP 3X24X1	4	1,5	72	307	**392**	446	552
	CFX5095	CFP 4X24X1	3	2,0	96	359	**460**	523	647
	CFX5100	CFP 5X24X1	3	2,4	120	407	**521**	592	733
	CFX5105	CFP 6X24X1	3	2,8	144	451	**578**	657	813
	CFX5110	CFP 8X24X1	2	3,7	192	533	**683**	777	961
	CFX5115	CFP 10X24X1	2	4,6	240	609	**779**	887	1098
32	**CFX5120**	CFP 2X32X1	4	1,4	64	309	**395**	449	555
	CFX5125	CFP 3X32X1	4	2,0	96	383	**489**	557	689
	CFX5130	CFP 4X32X1	3	2,6	128	447	**572**	650	805
	CFX5135	CFP 5X32X1	3	3,2	160	505	**646**	735	910
	CFX5140	CFP 6X32X1	3	3,8	192	559	**715**	813	1007
	CFX5145	CFP 8X32X1	2	4,9	256	657	**841**	957	1185
	CFX5150	CFP 10X32X1	2	6,1	320	746	**955**	1088	1347
40	**CFX5155**	CFP 2X40X1	4	1,8	80	369	**471**	536	664
	CFX5160	CFP 3X40X1	4	2,5	120	456	**583**	664	821
	CFX5165	CFP 4X40X1	3	3,3	160	532	**680**	774	958
	CFX5170	CFP 5X40X1	3	4,0	200	599	**767**	873	1080
	CFX5175	CFP 6X40X1	3	4,7	240	662	**847**	964	1193
	CFX5180	CFP 8X40X1	2	6,2	320	775	**992**	1129	1399
	CFX5185	CFP 10X40X1	2	7,6	400	877	**1123**	1278	1585
50	**CFX5190**	CFP 3X50X1	4	3,2	150	546	**698**	794	983
	CFX5195	CFP 4X50X1	3	4,1	200	635	**811**	923	1143
	CFX5200	CFP 5X50X1	3	5,0	250	714	**913**	1039	1287
	CFX5205	CFP 6X50X1	3	5,9	300	786	**1006**	1145	1418
	CFX5210	CFP 8X50X1	2	7,7	400	916	**1173**	1336	1656
	CFX5215	CFP 10X50X1	2	9,5	500	1033	**1323**	1507	1869
63	**CFX5220**	CFP 3X63X1	1	4,0	189	659	**842**	958	1187
	CFX5225	CFP 4X63X1	1	5,1	252	764	**977**	1112	1377
	CFX5230	CFP 5X63X1	1	6,2	315	857	**1097**	1248	1547
	CFX5235	CFP 6X63X1	1	7,4	378	942	**1205**	1372	1701
	CFX5240	CFP 8X63X1	1	9,6	504	1093	**1399**	1593	1977
	CFX5245	CFP 10X63X1	1	11,9	630	1227	**1571**	1790	2223
80	**CFX5250**	CFP 3X80X1	1	5,0	240	803	**1026**	1167	1445
	CFX5255	CFP 4X80X1	1	6,5	320	928	**1186**	1350	1673
	CFX5260	CFP 5X80X1	1	7,9	400	1038	**1328**	1511	1874
	CFX5265	CFP 6X80X1	1	9,4	480	1138	**1455**	1657	2056
	CFX5270	CFP 8X80X1	1	12,2	640	1314	**1682**	1916	2378
	CFX5275	CFP 10X80X1	1	15,1	800	1468	**1881**	2143	2663
100	**CFX5280**	CFP 4X100X1	1	8,1	400	1114	**1424**	1620	2009
	CFX5285	CFP 5X100X1	1	9,9	500	1243	**1589**	1809	2244
	CFX5290	CFP 6X100X1	1	11,7	600	1358	**1738**	1979	2456
	CFX5295	CFP 8X100X1	1	15,3	800	1561	**1999**	2277	2829
	CFX5300	CFP 10X100X1	1	18,9	1000	1739	**2227**	2538	3156

Items in stock. Other sizes available upon request.

PRODUCTS CONFORMING TO REGULATIONS

Coflex Color

The exclusive bi-color insulation finish (patented) improves connections aesthetics, making their identification easier.
The colored lines (standard white for COFLEX and light blue for COFLEX PLUS) on request might be realized with different colors in order to identify phases, or following the company color, or simply matching a desired aesthetic.
The lines can be customized in color as per customer request.



Coflex Packaging

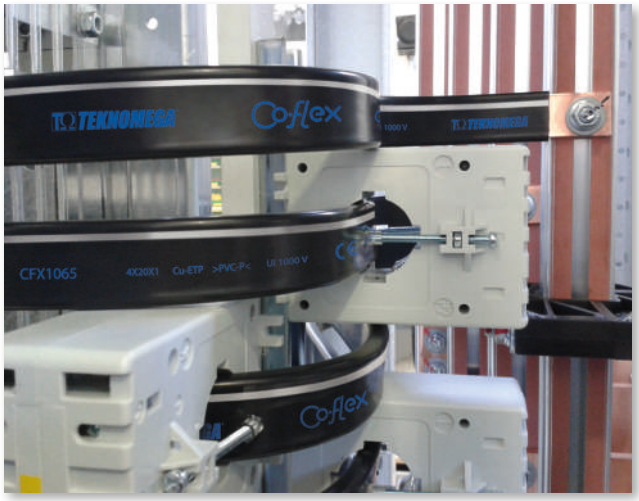
A bespoke packaging that overcomes the fragility of traditional packaging with elegance and care (patented).
Made in pressed carton with high rigidity, prevents the bars from their typical flexing and supports them in any leaning position, making easier any handling to the working table.
It can be stored both horizontally and vertivally even in a small space, thanks to its rectangular shape.

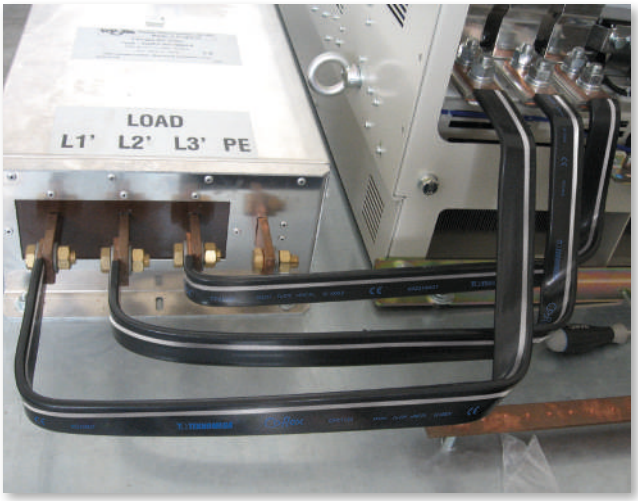




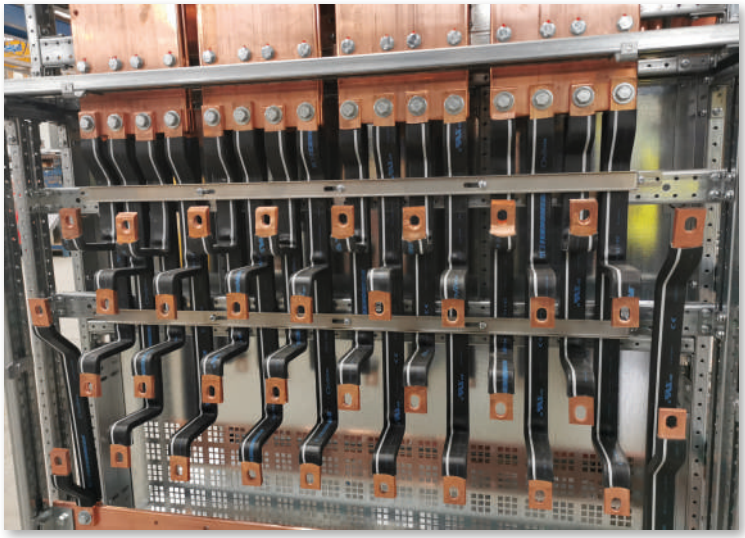
PRODUCTS CONFORMING TO REGULATIONS

PREFORMED FLEXIBLE BARS AS PER DRAWING

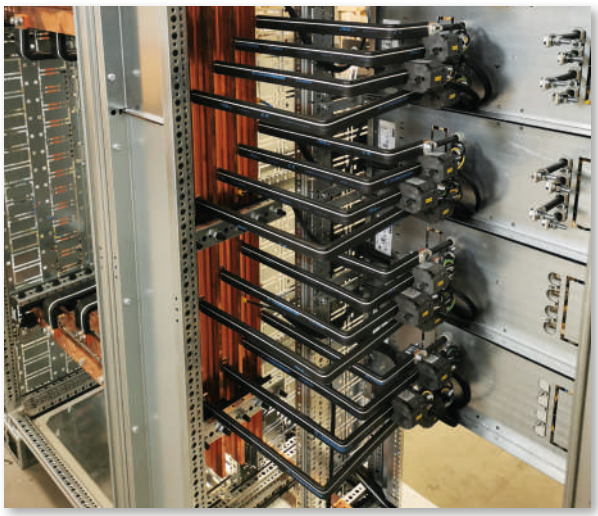


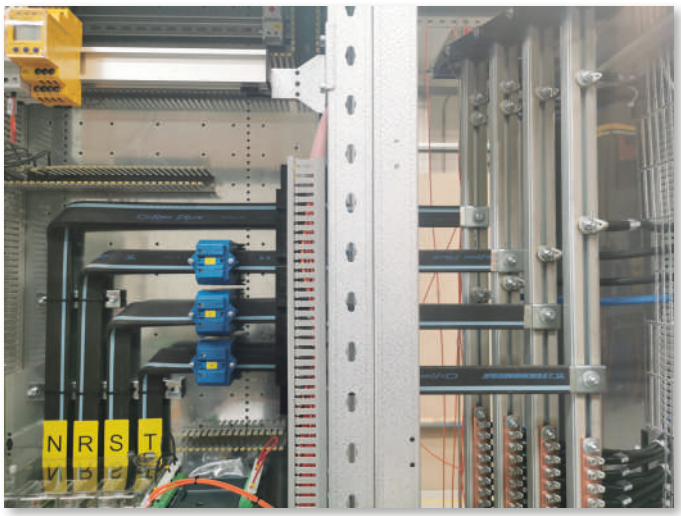


TEKNOMEGA have the capabilities to manufacture COFLEX INSULATED FLEXIBLE BARS bent and punched as per the customer's specific requirements. This is convenient in the event of a "series" of production of "standard" electric panel boards and/or equipment.
The use of CUSTOM PREFORMED INSULATED FLEXIBLE BARS makes it possible to optimize the wiring time and to eliminate excessive waste material.



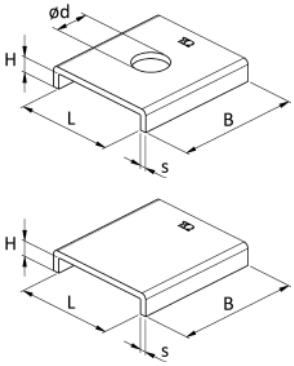






PRODUCTS CONFORMING TO REGULATIONS
REACH
RoHS COMPLIANT





TECHNICAL CHARACTERISTICS

Material: S235JR steel
Finishing: Electrogalvanized steel

L = see laminates width

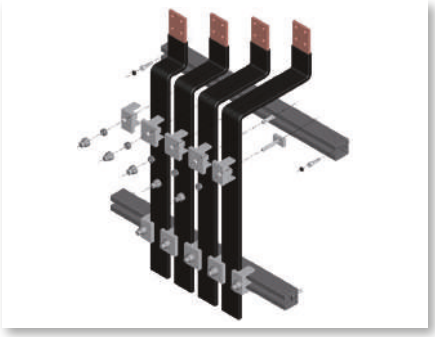
ADVANTAGES

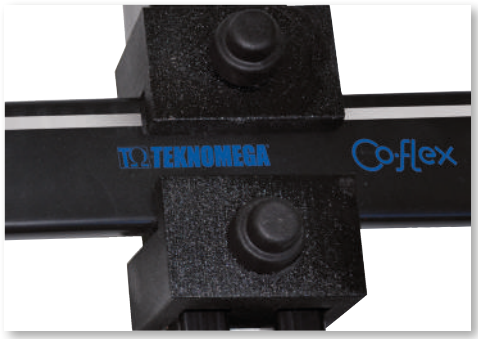
Constraint of laminate
Surface of connection with uniform pressure
Increased mechanical strength of the fastener

FIXING PLATES FOR FLEXIBLE BARS

Code	Reference		L (mm)	H (mm)	B (mm)	s (mm)	ød (mm)	No. of laminates equal to:
PBF1060	PBF 3X20-M6	10	20	2,8	25	1,6	7	3
PBF1065	PBF 4X20-M8	10	20	3,8	25	1,6	9	4, 5, 6, 8, 10
PBF1090	PBF 3X24-M8	10	24	2,8	32	1,6	9	3, 4
PBF1100	BF 5X24-M10	10	24	4,8	32	2	11	5, 6, 8, 10
PBF1125	BF 3X32-M10	10	32	2,8	40	2	11	3, 4, 5
PBF1140	BF 6X32-M12	10	32	5,8	40	2	13	6, 8, 10
PBF1165	BF 4X40-M12	10	40	3,8	40	2	13	4, 5, 6
PBF1180	BF 8X40-80	4	40	7,8	80	2,5	without hole	8, 10
PBF1195	BF 4X50-40	4	50	3,8	40	2	without hole	4, 5, 6
PBF1210	BF 8X50-80	4	50	7,8	80	2,5	without hole	8, 10
PBF1225	BF 4X63-40	4	63	3,8	40	2,5	without hole	4, 5, 6
PBF1240	BF 8X63-80	4	63	7,8	80	3	without hole	8, 10
PBF1255	BF 4X80-50	4	80	3,8	50	2,5	without hole	4, 5, 6
PBF1270	BF 8X80-100	4	80	7,8	100	3	without hole	8, 10

Universal support with Ω FLAT FOR COFLEX FLEXIBLE BARS, see p. 56

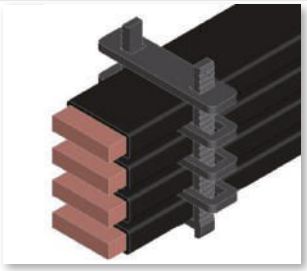


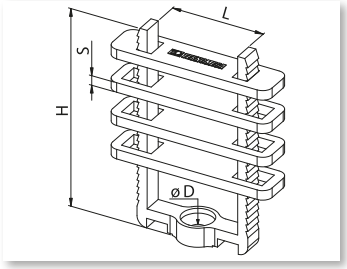


Simple support with spacer

APPLICATIONS and ADVANTAGES

- for use with insulated flexible bars up to 10x32x1.
- possibility to fit up to 4 flexible bars.
- fixing to the panel board structure by means of screw (not supplied) to be inserted at the base of the spacer
- Accurate and ordered fitting inside the panel board.
- Optimal heat dissipation thanks to the correct spacing between bar and bar





TECHNICAL CHARACTERISTICS

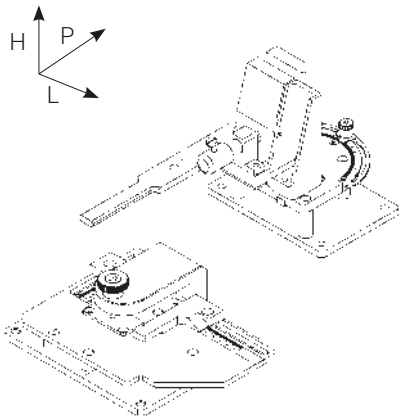
Material: Polyamide 6.6 reinforced with 30% fiberglass
Color: black
Self-extinguishing: UL 94-V0
Working temperature: -40 °C ÷ +140 °C

SPACER AND OVERLAPPING SUPPORT

Code	Reference		Sect. max COFLEX	H (mm)	L (mm)	S (mm)	øD (mm)
DZP3000	DZP BFX32	10	10 x 32 x 1	83	38	4	7

PRODUCTS CONFORMING TO REGULATIONS





Simple and intuitive in their utilisation, they enable easy bending and drilling operations.
Equipped with adjustment devices that ensure dimensional consistency of standard parts.

APPLICATION ADVANTAGES

The simplicity of the tools ensures they are safe and easy to use.
- fast and accurate processing
- no need for an external power supply
- easy to carry out work "on site"
- easy to fit on a workbench

Hand tool to drill insulated flexible bars

It allows optimal drilling of the terminal intended to the connection, without burrs or deformation of the individual copper laminates.

- for holes Ø 6.5 – Ø 8.5 - Ø 10.5 - Ø 12.5
- used to drill one or more holes on the bar
- Can be used on laminate ranging from 20mm to 120mm width
- Quick dies change for the various hole diameters
- Can be used with column or hand drilling tool.

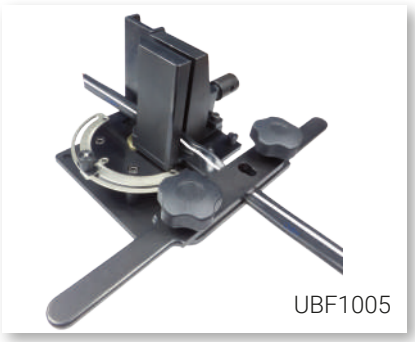
Hand tool for bending and twisting insulated flexible bars

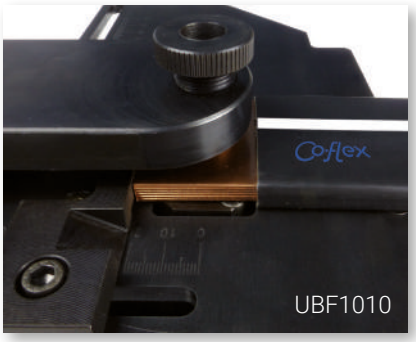
Allows bars to be machined into the appropriate shapes to optimize the lengths and overall dimensions of the connections.

Bending:
- Can be used on flexible bars up to 120x10x1 cross-sections
– Quick flexible bar tightening
- Goniometer to set the bending angle
- Blocking for repeated work on the same bending angle
- No damage to the insulation
- Little effort required thanks to the lever

Twisting:
- Can be used on flexible bars up to 120x10x1 cross-sections
- allows for a change of plan of the connection without damage to the insulation


UBF1005


UBF1005


UBF1010

Code	Reference	Description		Weight (kg)	H (mm)	P (mm)	L (mm)
UBF1005	UPB-T-BFX	Bending + twisting	1	14.4	220	407	220
UBF1010	UFB-BFX	Hand tool to drill	1	7.1	65	175	240

The indicated dimensions refer to the machine blockwithout lever

Video instructions: www.teknomega.com

PRODUCTS CONFORMING TO REGULATIONS REACH RoHS



J-LINK is a ready-to-use flexible prefabricated shunt made of tinned copper braid, coated with PVC insulation, which is highly resistant and self-extinguishing. J-LINK is the quickest and most convenient solution to create electrical connections from 125 to 630 A.
The connection terminals are made from pressed tinned copper tube, and their dimensions are designed because of the most popular box switches on the market.
The range includes the standard, PVC-insulated solution with white line and a maximum operating temperature of 105 °C and the Plus version, TPE-insulated, with blue scale and a maximum operating temperature of 140 °C.

The best alternative to cable connections and flexible bars

c UL us
File n° E300607
Certification pending

ADVANTAGES

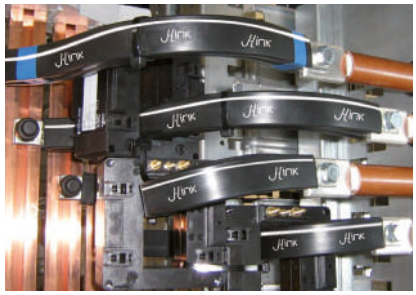
- Ready-to-use connections: no preventive operation is required
- Extreme flexibility compared to a cable with similar cross-section
- Volume reduction inside the panel board
- Weight reduction
- Great time saving
- No cable to cut to measure
- No stripping of cable heads
- No lug to buy
- No crimping needed

EXCELLENT ELECTRICAL PARAMETERS

- Excellent electrical insulation
- Improved contact surface
- Improved ampacity at equal cross-sections compared to a cable and/or reduced cross-sections at the same rated current
- Reduction in heat due to the lack of crimped connections and to higher ampacities
- Excellent short-circuit resistance

SOLUTIONS FOR THE SUPPORT OF J-LINK (References on p. 56)

NOTE
For values (e.g., Current Intensity) related to parameters not specified in the catalog tables (e.g., temperature values), refer to ΩWARE downloadable from our website www.teknomega.it.





J-link

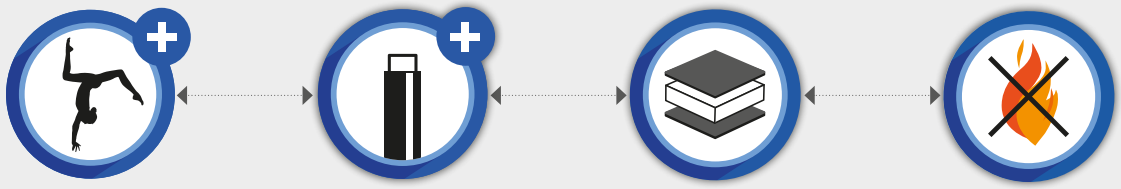
High performance with J-LINK, equipped with PVC insulation, flame retardant and hyper flexible.
J-LINK PLUS is recognizable from the light white line.
The maximum continuous operation temperature is 105 °C.

RANGE

Cross-sections: from 25 mm2 to 240 mm2
Lengths: from 230 mm to 1030 mm
Rated ampacity: from 125 A to 630 A



J-LINK ADDED VALUE



J-link Plus

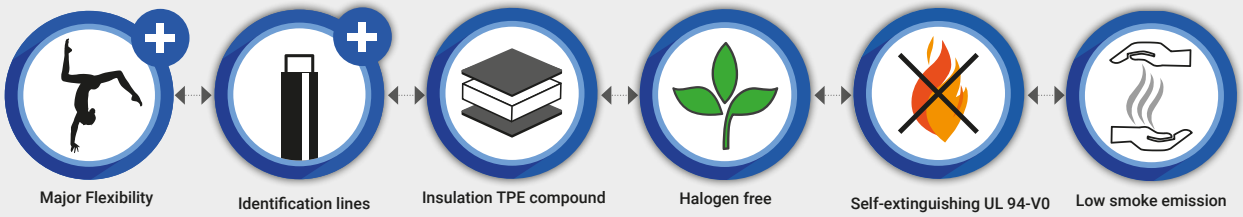
High performance with J-LINK PLUS, equipped with halogen-free, flame-retardant, low smoke-emitting and hyper flexible technopolymer insulation.
J-LINK PLUS is recognizable from the light blue line.
The maximum continuous operation temperature is 140 °C.

RANGE

Cross-sections: from 25 mm2 to 240 mm2
Lengths: from 230 mm to 1030 mm
Rated ampacity: from 125 A to 630 A

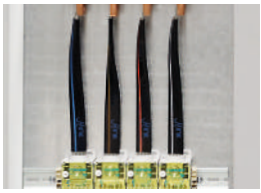


J-LINK PLUS ADDED VALUE



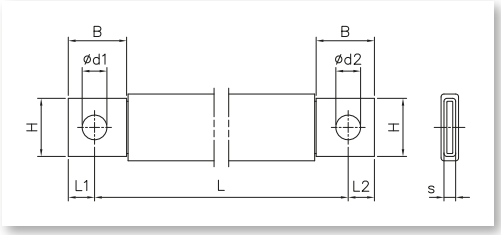
J-link Color

Upon request J-LINK becomes J-LINK COLOR, to identify phases or to satisfy a personal or corporate aesthetic.



PRODUCTS CONFORMING TO REGULATIONS

TECHNICAL CHARACTERISTICS



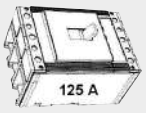
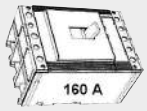
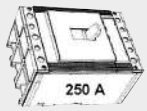
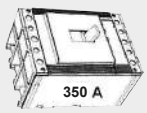
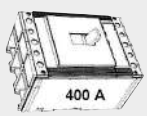
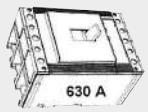
Insulation
PVC compound
Black color with a white line
Self-extinguishing: UL 94-V0
Thickness: 1.9 mm
Class II according to Par. 8.4.4 IEC 61439-1
Recyclable

Finished product
Dielectric rigidity: 20 kV/mm
Rated voltage: 1000 V AC / 1500 V DC
Working temperature:
-40 °C ÷ + 105 °C

Conductor
Tinned electrolytic copper braid Cu-ETP 99.90%
Standard wire: 0.20 mm
Terminal in tinned copper tube

c UL us
File n° E300607
Certification pending

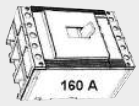
J-LINK Dimensional Table

Code	Reference		Weight (kg)	Sect. (mm²)	Use with switch with	Dimensions (mm)							
						L	B	H	L1	L2	d1	d2	s
JLK1000	JLK 25-230	10	0,08	25	 125 A	230	20	20	7,5	8	8,5	10,5	4,3
JLK1005	JLK 25-330	10	0,13	25		330	20	20	7,5	8	8,5	10,5	4,3
JLK1010	JLK 25-430	10	0,17	25		430	20	20	7,5	8	8,5	10,5	4,3
JLK1015	JLK 25-530	10	0,20	25		530	20	20	7,5	8	8,5	10,5	4,3
JLK1020	JLK 25-630	10	0,24	25		630	20	20	7,5	8	8,5	10,5	4,3
JLK1021	JLK 25-730	10	0,26	25		730	20	20	7,5	8	8,5	10,5	4,3
JLK1022	JLK 25-830	10	0,30	25		830	20	20	7,5	8	8,5	10,5	4,3
JLK1023	JLK 25-930	10	0,34	25		930	20	20	7,5	8	8,5	10,5	4,3
JLK1024	JLK 25-1030	10	0,38	25		1030	20	20	7,5	8	8,5	10,5	4,3
JLK1025	JLK 35-230	10	0,13	35	 160 A	230	20	20	9	9,5	8,5	10,5	4,9
JLK1030	JLK 35-330	10	0,17	35		330	20	20	9	9,5	8,5	10,5	4,9
JLK1035	JLK 35-430	10	0,22	35		430	20	20	9	9,5	8,5	10,5	4,9
JLK1040	JLK35-530	10	0,27	35		530	20	20	9	9,5	8,5	10,5	4,9
JLK1045	JLK 35-630	10	0,28	35		630	20	20	9	9,5	8,5	10,5	4,9
JLK1046	JLK 35-730	10	0,34	35		730	20	20	9	9,5	8,5	10,5	4,9
JLK1047	JLK 35-830	10	0,34	35		830	20	20	9	9,5	8,5	10,5	4,9
JLK1048	JLK 35-930	10	0,37	35		930	20	20	9	9,5	8,5	10,5	4,9
JLK1049	JLK 35-1030	10	0,40	35		1030	20	20	9	9,5	8,5	10,5	4,9
JLK1050	JLK 50-230	10	0,16	50	 250 A	230	20	20	9	9,5	8,5	10,5	5
JLK1055	JLK 50-330	10	0,20	50		330	20	20	9	9,5	8,5	10,5	5
JLK1060	JLK 50-430	10	0,28	50		430	20	20	9	9,5	8,5	10,5	5
JLK1065	JLK 50-530	10	0,36	50		530	20	20	9	9,5	8,5	10,5	5
JLK1070	JLK 50-630	10	0,41	50		630	20	20	9	9,5	8,5	10,5	5
JLK1071	JLK 50-730	10	0,47	50		730	20	20	9	9,5	8,5	10,5	5
JLK1072	JLK 50-830	10	0,46	50		830	20	20	9	9,5	8,5	10,5	5
JLK1073	JLK 50-930	10	0,60	50		930	20	20	9	9,5	8,5	10,5	5
JLK1074	JLK 50-1030	10	0,65	50		1030	20	20	9	9,5	8,5	10,5	5
JLK1140	JLK 85-230	2	0,26	85	 350 A	230	25	24	9,5	11	8,5	10,5	6,5
JLK1145	JLK 85-330	2	0,35	85		330	25	24	9,5	11	8,5	10,5	6,5
JLK1150	JLK 85-430	2	0,44	85		430	25	24	9,5	11	8,5	10,5	6,5
JLK1155	JLK 85-530	2	0,50	85		530	25	24	9,5	11	8,5	10,5	6,5
JLK1160	JLK 85-630	2	0,60	85		630	25	24	9,5	11	8,5	10,5	6,5
JLK1165	JLK 85-730	2	0,68	85		730	25	24	9,5	11	8,5	10,5	6,5
JLK1170	JLK 85-830	2	0,76	85		830	25	24	9,5	11	8,5	10,5	6,5
JLK1175	JLK 85-930	2	0,85	85		930	25	24	9,5	11	8,5	10,5	6,5
JLK1180	JLK 85-1030	2	0,95	85		1030	25	24	9,5	11	8,5	10,5	6,5
JLK1077	JLK 120-230	2	0,35	120	 400 A	230	30	30	11	15	10,5	10,5	7,5
JLK1075	JLK 120-330	2	0,50	120		330	30	30	11	15	10,5	10,5	7,5
JLK1080	JLK 120-430	2	0,64	120		430	30	30	11	15	10,5	10,5	7,5
JLK1085	JLK 120-530	2	0,72	120		530	30	30	11	15	10,5	10,5	7,5
JLK1090	JLK 120-630	2	0,90	120		630	30	30	11	15	10,5	10,5	7,5
JLK1095	JLK 120-730	2	1,06	120		730	30	30	11	15	10,5	10,5	7,5
JLK1096	JLK 120-830	2	1,19	120		830	30	30	11	15	10,5	10,5	7,5
JLK1097	JLK 120-930	2	1,33	120		930	30	30	11	15	10,5	10,5	7,5
JLK1098	JLK 120-1030	2	1,47	120		1030	30	30	11	15	10,5	10,5	7,5
JLK1100	JLK 240-330	2	0,94	240	 630 A	330	35	32	16	16	12,5	10,5	12,5
JLK1105	JLK 240-430	2	1,16	240		430	35	32	16	16	12,5	10,5	12,5
JLK1110	JLK 240-530	2	1,40	240		530	35	32	16	16	12,5	10,5	12,5
JLK1115	JLK 240-630	2	1,64	240		630	35	32	16	16	12,5	10,5	12,5
JLK1120	JLK 240-730	2	1,97	240		730	35	32	16	16	12,5	10,5	12,5
JLK1125	JLK 240-830	2	2,23	240		830	35	32	16	16	12,5	10,5	12,5
JLK1130	JLK 240-930	2	2,48	240		930	35	32	16	16	12,5	10,5	12,5
JLK1135	JLK 240-1030	2	2,72	240		1030	35	32	16	16	12,5	10,5	12,5

PRODUCTS CONFORMING TO REGULATIONS

NEW

J-LINK S Dimensional Table

Code	Reference		Weight (kg)	Sect. (mm²)	Use with switch with	Dimensions (mm)							
						L	B	H	L1	L2	d1	d2	s
JLK1251	JLK 25-230S	10	0,08	25	MAX 	230	15	14	7	7	6,5	6,5	4,5
JLK1252	JLK 25-330S	10	0,11	25		330	15	14	7	7	6,5	6,5	4,5
JLK1253	JLK 25-430S	10	0,13	25		430	15	14	7	7	6,5	6,5	4,5
JLK1254	JLK 25-530S	10	0,17	25		530	15	14	7	7	6,5	6,5	4,5
JLK1255	JLK 25-630S	10	0,20	25		630	15	14	7	7	6,5	6,5	4,5
JLK1257	JLK 25-830S	10	0,26	25		830	15	14	7	7	6,5	6,5	4,5
JLK1259	JLK 25-1030S	10	0,32	25		1030	15	14	7	7	6,5	6,5	4,5
JLK1260	JLK 25-1230S	10	0,38	25		1230	15	14	7	7	6,5	6,5	4,5

Compatibility Table with typical brands of Molded Case Circuit Breakers

Breakers Brand	J-LINK S (terminals width 14 mm)	J-LINK (terminals width 20 mm)
Schneider Electric Compact (IEC)	NG 125	-
	ComPacT NSX 100m	-
	ComPacT NSX 160m	-
	-	ComPacT NSX 100
	-	ComPacT NSX 160
	Power PacT B-frame 125A	-
	Power PacT H-frame 125A	-
ABB Tmax (IEC, UL)	XT1	-
	XT2	XT2
Siemens Sentron (IEC/UL)	3VA10	-
	3VA11	-
Legrand (IEC)	DPX³ 160	-
Mitsubishi Electric	-	NF125
	-	NF160
	-	DSN125
	-	DSN160
Chint	NM8N-125	-
Hager	H3 x160	-
	-	H3+ P160



Ampacity (A) table of Copper Bar based on the T temperature rise as per standard IEC 61439-1
Reference room temperature 35°C

J-LINK and J-LINK S Ampacity Table

Sect. (mm²)	Code	Rated Intensity In (A) Temperature Rise ΔT			
		35 °C	45 °C	55 °C	70 °C
25	**From JLK1251 to JLK1260**	138	157	**174**	196
25	**From JLK1000 to JLK1024**	144	164	**181**	203
35	**From JLK1025 to JLK1049**	176	200	**222**	249
50	**From JLK1050 to JLK1074**	214	244	**270**	304
85	**From JLK1140 to JLK1180**	304	346	**383**	431
120	**From JLK1075 to JLK1098**	383	436	**482**	543
240	**From JLK1100 to JLK1135**	589	672	**744**	840

Derating coefficient for use of J-LINK in parallel

Sect. (mm²)		
25	1,70	2,00
35	1,70	2,00
50	1,70	1,95
85	1,65	1,85
120	1,65	1,85
240	1,55	1,75

Comparison between the use of cable and J-LINK

In (A)	Unipolar Cable*	J-LINK
	Section (mm²)	
125	35	25
160	50 ÷ 70	25 ÷ 35
250	95 ÷ 120	50
350	150 ÷ 185	85
400	240	120
630	2 x 150	240

** Indicative data*

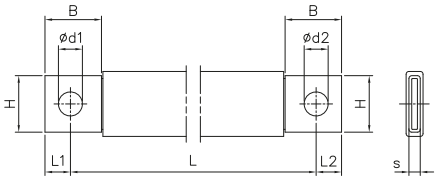
PRODUCTS CONFORMING TO REGULATIONS

TECHNICAL CHARACTERISTICS

Insulation
TPE Compound
Black color with a light blue
Low smoke emission
Self-extinguishing: UL 94-V0
Halogen-free
Thickness: 1.9 mm
Class II according to Par. 8.4.4 IEC 61439-1
Recyclable

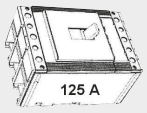
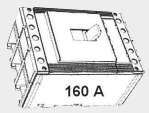
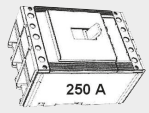
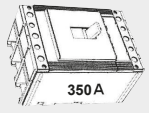
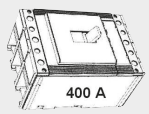
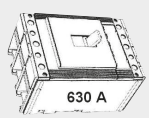
Finished product
Dielectric rigidity: 20 kV/mm
Rated voltage: 1000 V AC / 1500 V DC
Working temperature:
-40 °C ÷ +140 °C

Conductor
Tinned electrolytic copper braid Cu-ETP 99.90%
Standard wire: 0.20 mm
Terminal in tinned copper tube



c UL us
File n° E300607
Certification pending

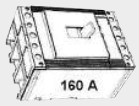
J- LINK PLUS Dimensional Table

Code	Reference		Weight (kg)	Sect. (mm²)	Use with switch with	Dimensions (mm)							
						L	B	H	L1	L2	d1	d2	s
JLK5000	JLP 25-230	10	0,08	25	 125 A	230	20	20	7,5	8	8,5	10,5	4,3
JLK5005	JLP 25-330	10	0,13	25		330	20	20	7,5	8	8,5	10,5	4,3
JLK5010	JLP 25-430	10	0,17	25		430	20	20	7,5	8	8,5	10,5	4,3
JLK5015	JLP 25-530	10	0,20	25		530	20	20	7,5	8	8,5	10,5	4,3
JLK5020	JLP 25-630	10	0,24	25		630	20	20	7,5	8	8,5	10,5	4,3
JLK5021	JLP 25-730	10	0,26	25		730	20	20	7,5	8	8,5	10,5	4,3
JLK5022	JLP 25-830	10	0,30	25		830	20	20	7,5	8	8,5	10,5	4,3
JLK5023	JLP 25-930	10	0,34	25		930	20	20	7,5	8	8,5	10,5	4,3
JLK5024	JLP 25-1030	10	0,38	25		1030	20	20	7,5	8	8,5	10,5	4,3
JLK5025	JLP 35-230	10	0,13	35	 160 A	230	20	20	9	9,5	8,5	10,5	4,9
JLK5030	JLP 35-330	10	0,17	35		330	20	20	9	9,5	8,5	10,5	4,9
JLK5035	JLP 35-430	10	0,22	35		430	20	20	9	9,5	8,5	10,5	4,9
JLK5040	JLP 35-530	10	0,26	35		530	20	20	9	9,5	8,5	10,5	4,9
JLK5045	JLP 35-630	10	0,28	35		630	20	20	9	9,5	8,5	10,5	4,9
JLK5046	JLP 35-730	10	0,30	35		730	20	20	9	9,5	8,5	10,5	4,9
JLK5047	JLP 35-830	10	0,34	35		830	20	20	9	9,5	8,5	10,5	4,9
JLK5048	JLP 35-930	10	0,37	35		930	20	20	9	9,5	8,5	10,5	4,9
JLK5049	JLP 35-1030	10	0,40	35		1030	20	20	9	9,5	8,5	10,5	4,9
JLK5050	JLP 50-230	10	0,16	50	 250 A	230	20	20	9	9,5	8,5	10,5	5
JLK5055	JLP 50-330	10	0,22	50		330	20	20	9	9,5	8,5	10,5	5
JLK5060	JLP 50-430	10	0,24	50		430	20	20	9	9,5	8,5	10,5	5
JLK5065	JLP 50-530	10	0,34	50		530	20	20	9	9,5	8,5	10,5	5
JLK5070	JLP 50-630	10	0,40	50		630	20	20	9	9,5	8,5	10,5	5
JLK5071	JLP 50-730	10	0,43	50		730	20	20	9	9,5	8,5	10,5	5
JLK5072	JLP 50-830	10	0,46	50		830	20	20	9	9,5	8,5	10,5	5
JLK5073	JLP 50-930	10	0,48	50		930	20	20	9	9,5	8,5	10,5	5
JLK5074	JLP 50-1030	10	0,50	50		1030	20	20	9	9,5	8,5	10,5	5
JLK5140	JLP 85-230	2	0,26	85	 350 A	230	25	24	9,5	11	8,5	10,5	6,5
JLK5145	JLP 85-330	2	0,35	85		330	25	24	9,5	11	8,5	10,5	6,5
JLK5150	JLP 85-430	2	0,44	85		430	25	24	9,5	11	8,5	10,5	6,5
JLK5155	JLP 85-530	2	0,50	85		530	25	24	9,5	11	8,5	10,5	6,5
JLK5160	JLP 85-630	2	0,60	85		630	25	24	9,5	11	8,5	10,5	6,5
JLK5165	JLP 85-730	2	0,68	85		730	25	24	9,5	11	8,5	10,5	6,5
JLK5170	JLP 85-830	2	0,76	85		830	25	24	9,5	11	8,5	10,5	6,5
JLK5175	JLP 85-930	2	0,85	85		930	25	24	9,5	11	8,5	10,5	6,5
JLK5180	JLP 85-1030	2	0,95	85		1030	25	24	9,5	11	8,5	10,5	6,5
JLK5077	JLP 120-230	2	0,35	120	 400 A	230	30	30	11	15	10,5	10,5	7,5
JLK5075	JLP 120-330	2	0,53	120		330	30	30	11	15	10,5	10,5	7,5
JLK5080	JLP 120-430	2	0,65	120		430	30	30	11	15	10,5	10,5	7,5
JLK5085	JLP 120-530	2	0,80	120		530	30	30	11	15	10,5	10,5	7,5
JLK5090	JLP 120-630	2	0,95	120		630	30	30	11	15	10,5	10,5	7,5
JLK5095	JLP 120-730	2	1,10	120		730	30	30	11	15	10,5	10,5	7,5
JLK5096	JLP 120-830	2	1,25	120		830	30	30	11	15	10,5	10,5	7,5
JLK5097	JLP 120-930	2	1,40	120		930	30	30	11	15	10,5	10,5	7,5
JLK5098	JLP 120-1030	2	1,55	120		1030	30	30	11	15	10,5	10,5	7,5
JLK5100	JLP 240-330	2	0,97	240	 630 A	330	35	32	16	16	12,5	10,5	12,5
JLK5105	JLP 240-430	2	1,20	240		430	35	32	16	16	12,5	10,5	12,5
JLK5110	JLP 240-530	2	1,45	240		530	35	32	16	16	12,5	10,5	12,5
JLK5115	JLP 240-630	2	1,74	240		630	35	32	16	16	12,5	10,5	12,5
JLK5120	JLP 240-730	2	2,05	240		730	35	32	16	16	12,5	10,5	12,5
JLK5125	JLP 240-830	2	2,25	240		830	35	32	16	16	12,5	10,5	12,5
JLK5130	JLP 240-930	2	2,50	240		930	35	32	16	16	12,5	10,5	12,5
JLK5135	JLP 240-1030	2	2,75	240		1030	35	32	16	16	12,5	10,5	12,5

PRODUCTS CONFORMING TO REGULATIONS REACH RoHS COMPLIANT

NEW

J-LINK S PLUS Dimensional Table

Code	Reference		Weight (kg)	Sect. (mm²)	Use with switch with	Dimensions (mm)							
						L	B	H	L1	L2	d1	d2	s
JLK5251	JLP 25-230S	10	0,08	25	MAX 	230	15	14	7	7	6,5	6,5	4,5
JLK5252	JLP 25-330S	10	0,11	25		330	15	14	7	7	6,5	6,5	4,5
JLK5253	JLP 25-430S	10	0,13	25		430	15	14	7	7	6,5	6,5	4,5
JLK5254	JLP 25-530S	10	0,17	25		530	15	14	7	7	6,5	6,5	4,5
JLK5255	JLP 25-630S	10	0,20	25		630	15	14	7	7	6,5	6,5	4,5
JLK5257	JLP 25-830S	10	0,26	25		830	15	14	7	7	6,5	6,5	4,5
JLK5259	JLP 25-1030S	10	0,32	25		1030	15	14	7	7	6,5	6,5	4,5
JLK5260	JLP 25-1230S	10	0,38	25		1230	15	14	7	7	6,5	6,5	4,5

Compatibility Table with typical brands of Molded Case Circuit Breakers

Breakers Brand	J-LINK S (terminals width 14 mm)	J-LINK (terminals width 20 mm)
Schneider Electric Compact (IEC)	NG 125	-
	ComPacT NSX 100m	-
	ComPacT NSX 160m	-
	-	ComPacT NSX 100
	-	ComPacT NSX 160
	Power PacT B-frame 125A	-
	Power PacT H-frame 125A	-
ABB Tmax (IEC, UL)	XT1	-
	XT2	XT2
Siemens Sentron (IEC/UL)	3VA10	-
	3VA11	-
Legrand (IEC)	DPX³ 160	-
Mitsubishi Electric	-	NF125
	-	NF160
	-	DSN125
	-	DSN160
Chint	NM8N-125	-
Hager	H3 x160	-
	-	H3+ P160



Ampacity (A) table of Copper Bar based on the T temperature rise as per standard IEC 61439-1
Reference room temperature 35°C

J-LINK PLUS and J-LINK S PLUS Ampacity Table

Sect. (mm²)	Code	Rated Intensity In (A) Temperature Rise ΔT			
		35 °C	55 °C	70 °C	105 °C
25	**da JLK5251 A JLK5260**	138	**174**	196	236
25	**da JLK5000 a JLK5024**	144	**181**	203	245
35	**da JLK5025 a JLK5049**	176	**222**	249	301
50	**da JLK5050 a JLK5074**	214	**270**	304	367
85	**da JLK5140 a JLK5180**	304	**383**	431	522
120	**da JLK5075 a JLK5098**	383	**482**	543	658
240	**da JLK5100 a JLK5135**	589	**744**	840	1020

Derating coefficient for use of J-LINK PLUS in parallel

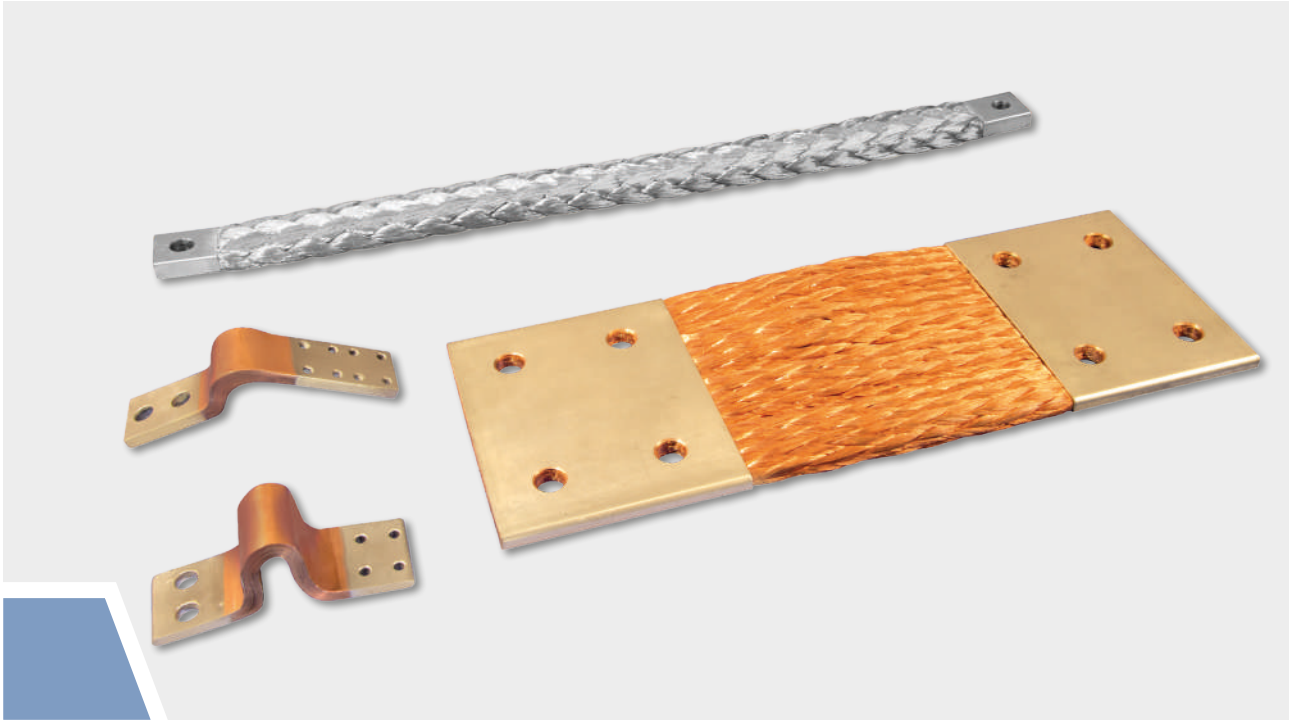
Sect. (mm²)		
25	1,70	2,00
35	1,70	2,00
50	1,70	1,95
85	1,65	1,85
120	1,65	1,85
240	1,55	1,75

Comparison between the use of cable and J-LINK PLUS

In (A)	Unipolar Cable* Sect. (mm²)	J-LINK PLUS Sect. (mm²)
125	35	25
160	50 ÷ 70	25 ÷ 35
250	95 ÷ 120	50
350	150 ÷ 185	85
400	240	120
630	2 x 150	240

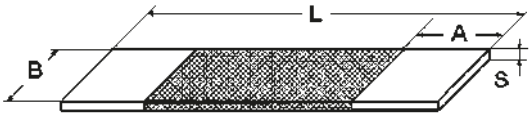
** Indicative data*

PRODUCTS CONFORMING TO REGULATIONS



Braided power shunts

Braided power shunts

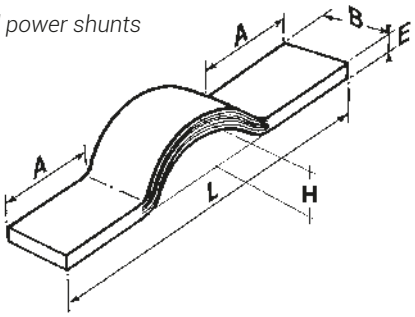


TECHNICAL CHARACTERISTICS

Material: red copper or tinned, Cu-ETP UNI EN 13602, or other material upon request
Standard wire: 0.05mm to 0.20mm or other sizes upon request
Terminals made in tinned copper tube, pressed at high density.
Punching upon request.
Make to order production
Insulation on demand

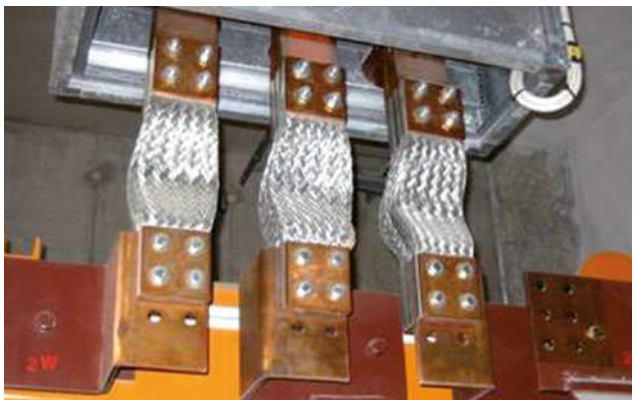
Laminated power shunts

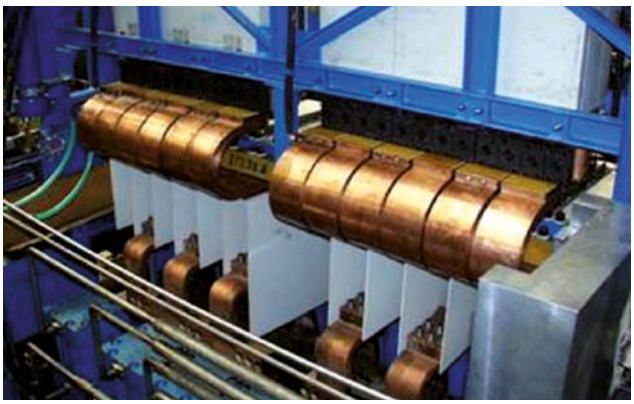
Braided power shunts



TECHNICAL CHARACTERISTICS

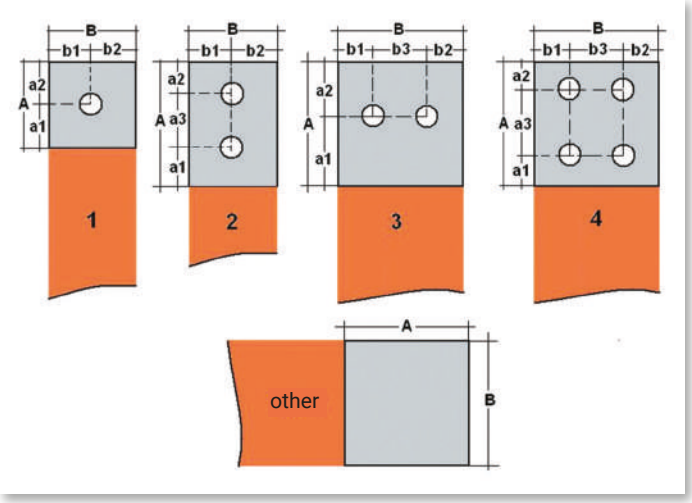
Terminal material: red or tinned copper, or other material upon request
Laminate thickness: starting from 0.1mm
Make to order production
Width from 20 to 200 mm
Terminal thickness from 3 to 20 mm
Section from 60 to 4000 mm^2





PRODUCTS CONFORMING TO REGULATIONS

CONSTRUCTION CHARACTERISTICS AND DIMENSIONS



TERMINAL TYPE: _____

A = _____ mm
a1 = _____ mm
a2 = _____ mm
a3 = _____ mm

B = _____ mm
b1 = _____ mm
b2 = _____ mm
b3 = _____ mm

Ø holes = _____ mm No. _____ holes

Terminal thickness _____ mm

SHUNT IN

- Conductor type: Copper
  ☐ red ☐ tinned
- Insulation ☐ yes ☐ no

Insulation type: _____

COPPER BRAID

Standard Wire dimension:
_____ mm

LAMINATE

Laminate number: _____
Laminate thickness: _____ mm

Nominal intensity: _____ A ☐ AC ☐ DC
Section: _____ mm^2
Total length: _____ mm

Reference room temperature: _____°C
Operating temperature: _____°C

Note: This information is required to receive a quote.
Please, enclose drawing or sketch of the detail to produce.

Other, specify: _____

Requested by:

Company:	Referent Mr.	
Address:	City	Prov.:
Tel.:	Fax:	
e-mail:	@	

Send by e-mail to info@teknomega.it
website: www.teknomega.it

PRODUCTS CONFORMING TO REGULATIONS

Copper braids



The copper braid is used as a super flexible conductor for all electric connection requirements, including power, earthing and equipotential connections.
It results from the use of a number of standard wires with diameter of 0.20 mm, twined together to form a cord. More cords twined together can produce a small cross-sectioned braid or further secondary cords which, twined again, make it possible to get the desired cross-section.

Three typologies of copper braid:

- FLAT, made using the same process as in tubular braids, but flattening it between rollers to the desired dimensions.
It is used for power, earthing and equipotential connections. In power applications, it makes flexible connections which easily compensate offsets between elements to be interconnected, and also provides excellent buffering of vibrations induced by, i.e., connection to a transformer.
With the same cross-section, it can take a higher current density than cables or copper bars.

- ROUND, made from tightly interwoven cords until they become a solid round section.
It is used for power and mass connections, and, when suitably insulated, as an alternative to the cables. In that case, compared to insulated cables, with the same cross-section, it allows more current density and, most of all, extraordinary flexibility.

- TUBULAR, made from small interwoven cords until they form a tubular structure, hollow inside. It is used as a protection sleeve for electric cables inserted inside of the braid, thus producing screens and protections against interferences and/or disturbances.

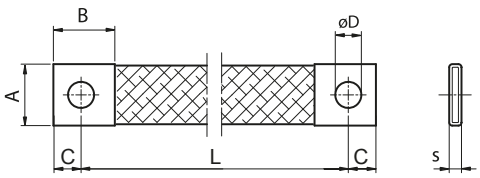






PRODUCTS CONFORMING TO REGULATIONS





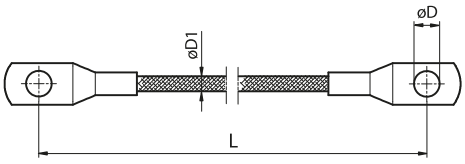
TECHNICAL CHARACTERISTICS

Material: tinned copper CU-ETP EN 13602
Standard wire: Ø 0.20 mm
Resistivity: 0.0172 Ωmm²/m
Compliant to EN 45545-2 for railway applications

FLAT TINNED COPPER EARTHING BRAIDS

Code	Reference		Weight (kg)	Intensity* (A)	Sect. (mm²)	S (mm)	L (mm)	A (mm)	B (mm)	C (mm)	øD (mm)
TMS1000	TMS 6-150-6	10	0,010	57	6	2	150	10,5	10	6	6,5
TMS1005	TMS 6-200-6	10	0,013	57	6	2	200	10,5	10	6	6,5
TMS1010	TMS 10-150-8	10	0,021	86	10	2,1	150	17	22	9	8,5
TMS1015	TMS 10-200-8	10	0,025	86	10	2,1	200	17	22	9	8,5
TMS1020	TMS 10-250-8	10	0,029	86	10	2,1	250	17	22	9	8,5
TMS1025	TMS 10-300-8	10	0,033	86	10	2,1	300	17	22	9	8,5
TMS1030	TMS 16-100-8	10	0,023	115	16	2,6	100	17	22	9	8,5
TMS1035	TMS 16-150-8	10	0,030	115	16	2,6	150	17	22	9	8,5
TMS1040	TMS 16-200-8	10	0,037	115	16	2,6	200	17	22	9	8,5
TMS1045	TMS 16-250-8	10	0,046	115	16	2,6	250	17	22	9	8,5
TMS1050	TMS 16-300-8	10	0,054	115	16	2,6	300	17	22	9	8,5
TMS1055	TMS 25-150-10	10	0,048	152	25	2,8	150	21	22	11	10,5
TMS1060	TMS 25-200-10	10	0,059	152	25	2,8	200	21	22	11	10,5
TMS1065	TMS 25-250-10	10	0,072	152	25	2,8	250	21	22	11	10,5
TMS1070	TMS 25-300-10	10	0,084	152	25	2,8	300	21	22	11	10,5
TMS1075	TMS 35-150-10	10	0,061	192	35	3,6	150	21	22	11	10,5
TMS1080	TMS 35-200-10	10	0,077	192	35	3,6	200	21	22	11	10,5
TMS1085	TMS 35-250-10	10	0,097	192	35	3,6	250	21	22	11	10,5
TMS1090	TMS 35-300-10	10	0,110	192	35	3,6	300	21	22	11	10,5
TMS1095	TMS 50-100-10	10	0,080	244	50	4,8	100	25,5	25	12,5	10,5
TMS1100	TMS 50-150-10	10	0,095	244	50	4,8	150	25,5	25	12,5	10,5
TMS1105	TMS 50-200-10	10	0,129	244	50	4,8	200	25,5	25	12,5	10,5
TMS1110	TMS 50-250-10	10	0,143	244	50	4,8	250	25,5	25	12,5	10,5
TMS1115	TMS 50-300-10	10	0,179	244	50	4,8	300	25,5	25	12,5	10,5
TMS1120	TMS 75-200-10	10	0,185	323	75	5,5	200	30	30	15	10,5
TMS1125	TMS 75-250-10	10	0,225	323	75	5,5	250	30	30	15	10,5
TMS1130	TMS 75-300-10	10	0,265	323	75	5,5	300	30	30	15	10,5
TMS1135	TMS 100-200-12	10	0,250	365	100	6,5	200	30	30	15	12,5
TMS1140	TMS 100-250-12	10	0,300	365	100	6,5	250	30	30	15	12,5
TMS1145	TMS 100-300-12	10	0,375	365	100	6,5	300	30	30	15	12,5





TECHNICAL CHARACTERISTICS

Material: tinned copper CU-ETP EN 13602
Standard wire: Ø 0.20 mm
Resistivity: 0.0172Ω mm²/m
Compliant to EN 45545-2 for railway applications
Ring lugs as per DIN 46234

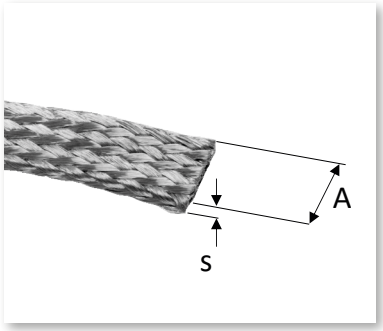
ROUND TINNED COPPER EARTHING BRAIDS

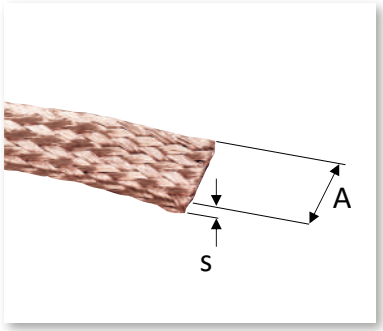
Code	Reference		Weight (kg)	Intensity* (A)	Sect. (mm²)	øD1 (mm)	L (mm)	øD (mm)
TMT1200	TMT 6-150-6	10	0.0125	57	6	4	150	6.5
TMT1205	TMT 6-200-6	10	0.0154	57	6	4	200	6.5
TMT1210	TMT 10-300-6	10	0.0312	86	10	5	300	6.5

**Intensity calculated with a temperature rise of 35 °C and an ambient temperature of 35 °C.*

PRODUCTS CONFORMING TO REGULATIONS

Copper braids in coils



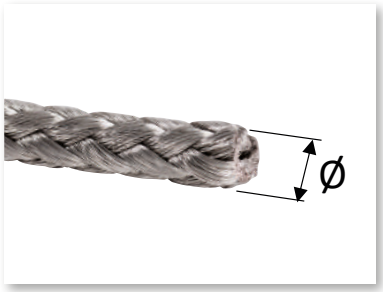


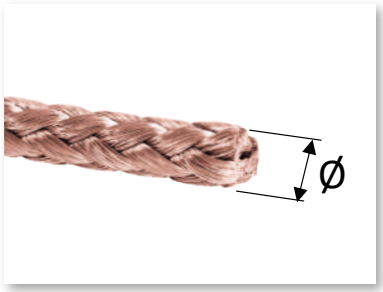
TECHNICAL CHARACTERISTICS

Material: red copper Cu-ETP UNI 5649-13602
tinned copper Cu-ETP UNI 5649-13602
Standard wire: Ø 0.20mm
Resistivity: 0.0172 Ωmm²/m

FLAT BRAIDS

Code	Reference	Code	Reference		Weight (kg/m)	Intensity* (A)	Sect. (mm²)	S (mm)	A (mm)
TINNED COPPER		**RED COPPER**							
TPS1000	TPS 10-4	**TPR1000**	TPR 10-4	25 m	0.04	40	4	1.0	8.0
TPS1005	TPS 10-6	**TPR1005**	TPR 10-6	25 m	0.06	57	6	1.0	10.0
TPS1010	TPS 20-10	**TPR1010**	TPR 20-10	25 m	0.10	86	10	1.5	10.0
TPS1015	TPS 20-16	**TPR1015**	TPR 20-16	25 m	0.16	115	16	2.0	16.0
TPS1020	TPS 20-25	**TPR1020**	TPR 20-25	20 m	0.25	152	25	2.0	25.0
TPS1025	TPS 20-30	**TPR1021**	TPR 20-30	20 m	0.30	170	30	2.4	25.0
TPS1030	TPS 20-35	**TPR1025**	TPR 20-35	20 m	0.35	192	35	2.8	25.0
TPS1035	TPS 20-40	**TPR1026**	TPR 20-40	20 m	0.40	210	40	3.2	25.0
TPS1040	TPS 20-50	**TPR1030**	TPR 20-50	20 m	0.50	244	50	4.0	25.0
TPS1045	TPS 20-75	**TPR1035**	TPR 20-75	20 m	0.75	323	75	5.0	30.0
TPS1050	TPS 20-100	**TPR1040**	TPR 20-100	15 m	1.00	365	100	5.0	40.0
TPS1055	TPS 20-120	**TPR1045**	TPR 20-120	15 m	1.20	420	120	6.0	40.0





TECHNICAL CHARACTERISTICS

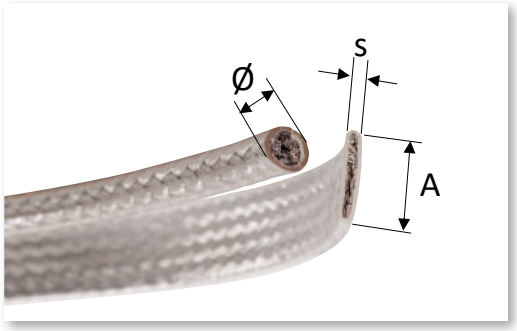
Material: red copper Cu-ETP UNI 5649-13602
tinned copper Cu-ETP UNI 5649-13602
Standard wire: Ø 0.20mm
Resistivity: 0.0172 Ωmm²/m

ROUND BRAIDS

Code	Reference	Code	Reference		Weight (kg/m)	Intensity* (A)	Sect. (mm²)	ø (mm)
TINNED COPPER		**RED COPPER**						
TTS1000	TTS 10-6	**TTR1000**	TTR 10-6	50 m	0.06	57	6	4.0
TTS1005	TTS 20-10	**TTR1005**	TTR 20-10	50 m	0.10	86	10	5.0
TTS1010	TTS 20-16	**TTR1010**	TTR 20-16	50 m	0.16	115	16	6.4
TTS1015	TTS 20-25	**TTR1015**	TTR 20-25	25 m	0.25	152	25	8.0
TTS1020	TTS 20-35	**TTR1020**	TTR 20-35	25 m	0.35	192	35	9.5
TTS1025	TTS 20-50	**TTR1025**	TTR 20-50	25 m	0.50	244	50	11.0
TTS1030	TTS 20-100	**TTR1030**	TTR 20-100	10 m	1.00	365	100	15.0

**Intensity calculated with a temperature rise of 35 °C and an ambient temperature of 35 °C.*

PRODUCTS CONFORMING TO REGULATIONS



TECHNICAL CHARACTERISTICS

Material: Tinned copper Cu-ETP UNI EN 13602
Standard wire: Ø 0.20mm
Resistivity: 0.0172 Ωmm²/m
transparent PVC, thickness 1.5 mm
Electric insulation: 450V
Max. working temperature: -40 °C ÷ + 80 °C

INSULATED BRAIDS IN TINNED COPPER - Flat

Code	Reference		Weight (kg/m)	Intensity* (A)	Section of conductor (mm²)	S (mm)	A (mm)
TPI1000	TPI 20-16	20 m	0.20	115	16	4.5	19
TPI1005	TPI 20-25	20 m	0.30	152	25	5	28
TPI1010	TPI 20-35	20 m	0.40	192	35	6	28
TPI1015	TPI 20-50	20 m	0.55	244	50	6.3	33

INSULATED BRAIDS IN TINNED COPPER - Round

Code	Reference		Weight (kg/m)	Intensity* (A)	Section of conductor (mm²)	ø (mm)
TTI1000	TTI 20-16	50 m	0.18	115	16	9.5
TTI1005	TTI 20-25	25 m	0.27	152	25	10
TTI1010	TTI 20-35	25 m	0.4	192	35	12



TECHNICAL CHARACTERISTICS

Material: Tinned copper Cu-ETP UNI EN 13602
Standard wire diameter: Ø 0.20 mm
Resistivity: 0.0172 Ωmm²/m

It is used as a protection sleeve for electric cables inserted inside of the braid, thus producing screens and protections against interferences and/or disturbances.

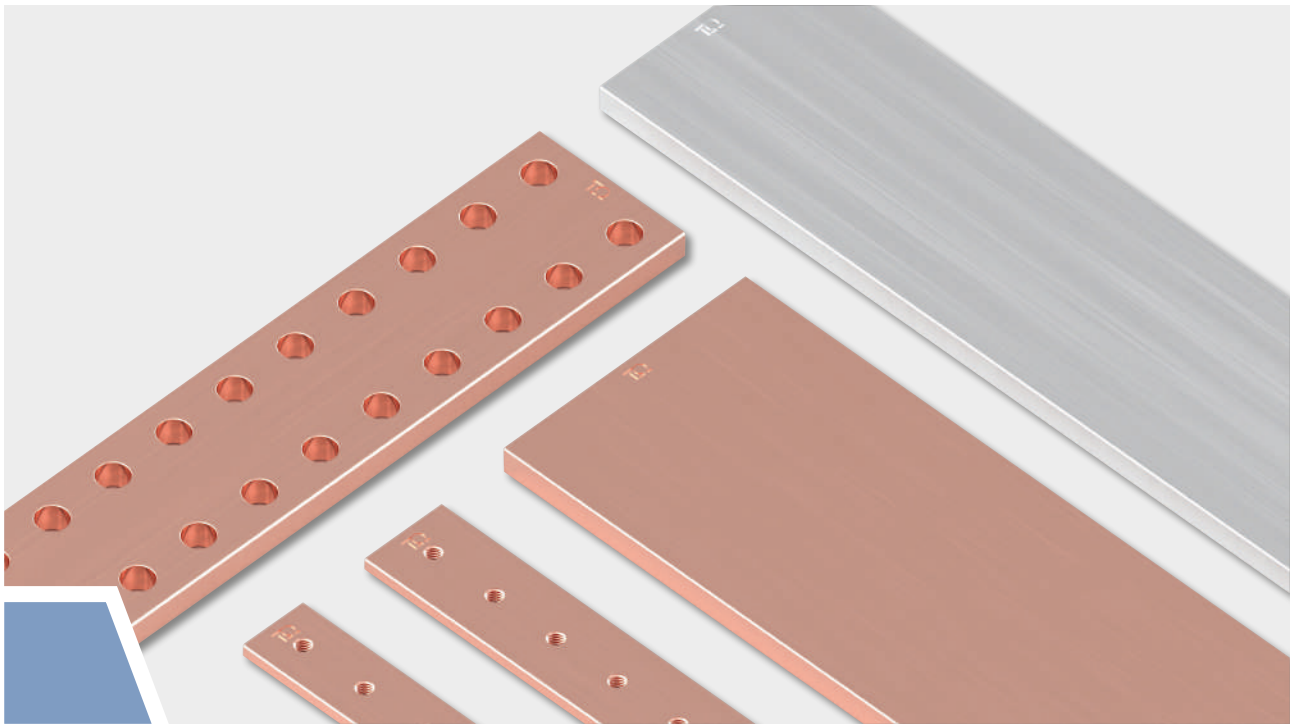
TUBULAR BRAIDS IN TINNED COPPER

Code	Reference		Weight (kg/m)	ø nom. (mm)	ø max (mm)
TSC1000	TSC 4	50 m	0.03	5	10
TSC1005	TSC 10	50 m	0.06	10	20
TSC1010	TSC 16	50 m	0.20	20	40
TSC1015	TSC 25	25 m	0.27	25	50
TSC1020	TSC 35	25 m	0.34	30	60
TSC1025	TSC 50	25 m	0.41	35	70

**Intensity calculated with a temperature rise of 35 °C and an ambient temperature of 35 °C.*

PRODUCTS CONFORMING TO REGULATIONS

Copper and Aluminium bars



TEKNOMEGA supplies rigid bars, in copper and aluminium, to make distribution and power connections within electrical panels.

TEKNOMEGA can make custom bars, based on customer requirements, in red or tinned copper, aluminium, nickel-plated or galvanized, with specific lengths and drilling/threading pitches.

TECHNICAL CHARACTERISTICS

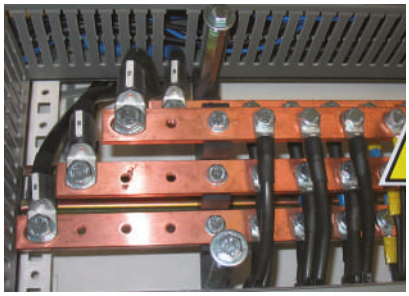
Copper bars
- Electrolytic copper Cu-ETP 99.90%
- Rounded corners
- Resistivity: 0.0172 Ωmm²/m
- Density: 8.9 kg/dm³

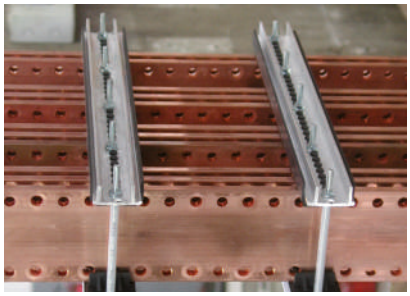
Aluminium bars:
- Aluminium type EN-AW 1050 A
- Rounded corners
- Resistivity: 0.0265 Ωmm²/m
- Density: 2.7 kg/dm³

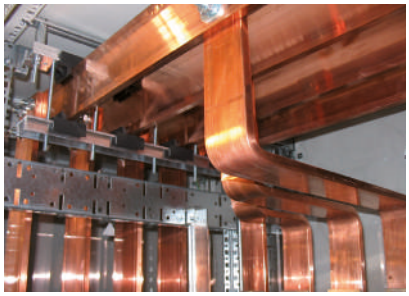
ADVANTAGES

Prepunched and threaded copper bars
- Ready to use
- No need for punching tools
- Wiring time savings

Solid aluminium bars
- When compared to a copper bar with the same cross-section there is a significant weight saving, up to 70% less, with an ampacity reduction of about 30%.
- Significant cost saving advantages due to the different cost of the raw material and, especially, the great difference in the weight/volume ratio.

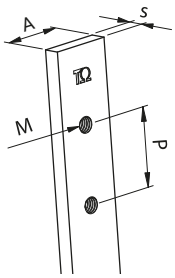


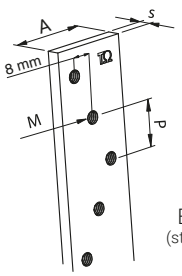




PRODUCTS CONFORMING TO REGULATIONS



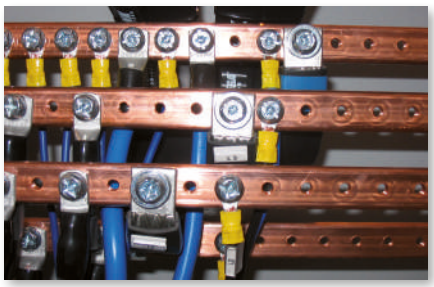




BRF1041
(staggered hole version)

THREADED COPPER BARS

Code	Reference		Weight (kg)	A (mm)	s (mm)	P (mm)	(m)
Length 1000 mm							
BRF0990	BRF 12X2X1000	10	0,22	12	2	18	M5
BRF0995	BRF 12X3X1000	10	0,32	12	3	18	M5
BRF1000	BRF 12X4X1000	10	0,42	12	4	18	M5
BRF1005	BRF 12X5X1000	10	0,49	12	5	18	M5
BRF1010	BRF 15X5X1000	4	0,64	15	5	25	M6
BRF1015	BRF 20X5X1000	4	0,84	20	5	25	M6
BRF1016	BRF 25X4X1000	4	0,80	25	4	25	M6
BRF1017	BRF 25X5X1000	4	1,12	25	5	25	M6
BRF1020	BRF 32X5X1000	4	1,35	32	5	25	M6
BRF1045	BRF 30X10X1000	4	2,49	30	10	25	M8
Length 2000 mm							
BRF1025	BRF 12X4X2000	10	0,84	12	4	18	M5
BRF1030	BRF 15X5X2000	4	1,18	15	5	25	M6
BRF1031	BRF 15X5X2000 PC	4	1,16	15	5	18	M6
BRF1035	BRF 20X5X2000	4	1,66	20	5	25	M6
BRF1036	BRF 20X5X2000 PC	4	1,60	20	5	20	M6
BRF1037	BRF 25X5X2000	4	2,05	25	5	25	M6
BRF1040	BRF 30X5X2000	4	2,49	30	5	25	M6
BRF1041	BRF 32X5X2000-W	4	2,65	32	5	17,5	M6
BRF1042	BRF 32X5X2000	4	2,85	32	5	25	M6
BRF1047	BRF 30X10X2000	4	4,98	30	10	25	M8

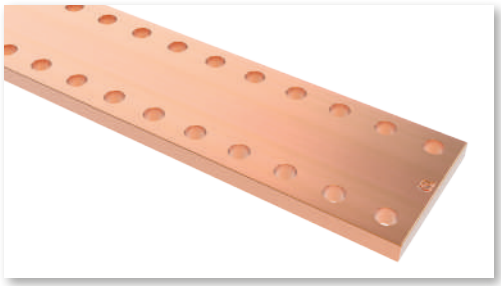


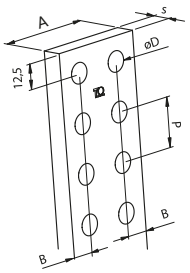
Ampacity table based on the ΔT temperature rise
Reference room temperature Ta = 35°C

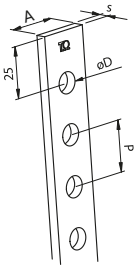
Code	Dimensions	Sect. (mm^2)	ΔT 35 °C	ΔT 55 °C	ΔT 70 °C	ΔT 105 °C
BRF0990	12 x 2	24	117	**150**	171	212
BRF0995	12 x 3	36	150	**192**	218	270
BRF1000 - BRF1025	12 x 4	48	179	**229**	261	323
BRF1005	12 x 5	60	206	**265**	301	373
BRF1010 - BRF1030 - BRF1031	15 x 5	75	245	**314**	357	442
BRF1015 - BRF1035 - BRF1036	20 x 5	100	307	**393**	448	554
BRF1016	25 x 4	100	322	**412**	469	581
BRF1017 - BRF1037	25 x 5	125	367	**470**	535	663
BRF1040	30 x 5	150	425	**545**	621	769
BRF1020 - BRF1041 - BRF1042	32 x 5	160	448	**575**	655	811
BRF1045 - BRF1047	30 x 10	300	643	**825**	940	1166

NOTE
For the use of bars in parallel refer to the table on page 40.

PRODUCTS CONFORMING TO REGULATIONS



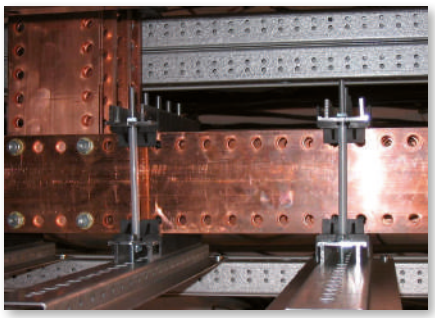




BRP1000
(version with one row of holes)

PREPUNCHED COPPER BARS

Code	Reference		Weight (kg)	A (mm)	s (mm)	P (mm)	øD (mm)	B (mm)
Length 1750 mm								
BRP1000	BRP 25X5	2	1.39	25	5	25	10.5	12.5
BRP1005	BRP 50X5	2	3.39	50	5	25	10.5	12.5
BRP1010	BRP 63X5	2	4.39	63	5	25	10.5	12.5
BRP1015	BRP 80X5	2	5.69	80	5	25	10.5	12.5
BRP1020	BRP 100X5	2	7.24	100	5	25	10.5	12.5
BRP1030	BRP 50X10	2	6.70	50	10	25	10.5	12.5
BRP1035	BRP 60X10	2	8.79	60	10	25	10.5	12.5
BRP1040	BRP 80X10	2	11.30	80	10	25	10.5	12.5
BRP1045	BRP 100X10	2	14.40	100	10	25	10.5	12.5
BRP1050	BRP 120X10	2	18.30	120	10	25	10.5	12.5



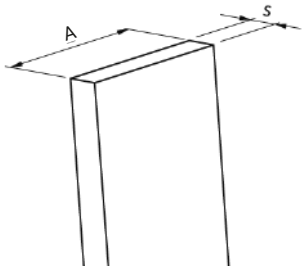
Ampacity Table (A) functional to thermal rise ΔT
Reference room temperature Ta = 35 °C

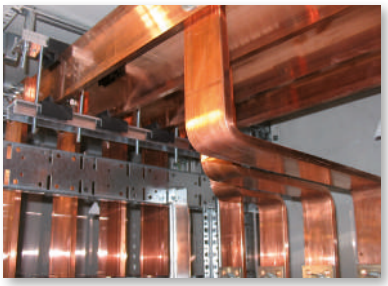
Code	Dimensions	Sect. (mm^2)	ΔT 35 °C	ΔT 55 °C	ΔT 70 °C	ΔT 105 °C
BRP1000	25x5	125	367	**470**	535	663
BRP1005	50x5	250	649	**833**	949	1178
BRP1010	63x5	315	788	**1012**	1153	1433
BRP1015	80x5	400	965	**1238**	1412	1757
BRP1020	100x5	500	1166	**1496**	1707	2126
BRP1030	50x10	500	950	**1220**	1392	1731
BRP1035	60x10	600	1094	**1406**	1605	1999
BRP1040	80x10	800	1370	**1762**	2013	2511
BRP1045	100x10	1000	1633	**2102**	2402	3001
BRP1050	120x10	1200	1887	**2429**	2777	3474

NOTE
For the use of bars in parallel refer to the table on page 40.

PRODUCTS CONFORMING TO REGULATIONS







SOLID COPPER BARS

Code	Reference		Code	Reference		Weight (kg/m)	A (mm)	s (mm)
Length 1750 mm			* Length 4200 mm					
PRP2990	PRP 12x4x1750	2	**PRP0990**	PRP 12X4	1	0.43	12	4
PRP2000	PRP 20x5x1750	2	**PRP1000**	PRP 20x5	1	0.89	20	5
PRP2005	PRP 25x5x1750	2	**PRP1005**	PRP 25x5	1	1.11	25	5
PRP2010	PRP 30x5x1750	2	**PRP1010**	PRP 30x5	1	1.33	30	5
PRP2015	PRP 40x5x1750	2	**PRP1015**	PRP 40x5	1	1.78	40	5
PRP2020	PRP 50x5x1750	2	**PRP1020**	PRP 50x5	1	2.23	50	5
PRP2025	PRP 60x5x1750	2	**PRP1025**	PRP 60x5	1	2.67	60	5
PRP2030	PRP 80x5x1750	2	**PRP1030**	PRP 80x5	1	3.56	80	5
PRP2035	PRP 100x5x1750	2	**PRP1035**	PRP 100x5	1	4.45	100	5
PRP2040	PRP 125x5x1750	2	**PRP1040**	PRP 125x5	1	5.56	125	5
PRP2045	PRP 30x10x1750	2	**PRP1045**	PRP 30x10	1	2.67	30	10
PRP2050	PRP 40x10x1750	2	**PRP1050**	PRP 40x10	1	3.56	40	10
PRP2055	PRP 50x10x1750	2	**PRP1055**	PRP 50x10	1	4.45	50	10
PRP2060	PRP 60x10x1750	2	**PRP1060**	PRP 60x10	1	5.34	60	10
PRP2065	PRP 80x10x1750	2	**PRP1065**	PRP 80x10	1	7.12	80	10
PRP2070	PRP 100x10x1750	2	**PRP1070**	PRP 100x10	1	8.90	100	10
PRP2075	PRP 120x10x1750	2	**PRP1075**	PRP 120x10	1	10.70	120	10
			PRP1080	PRP 160x10	1	14.25	160	10
			PRP1085	PRP 200x10	1	17.80	200	10

* Length 4200 mm available on request.

Ampacity Table (A) functional to thermal rise ΔT
Reference room temperature Ta = 35 °C

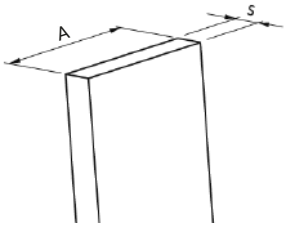
Code	Dimensions	Sect. (mm^2)	ΔT 35 °C	ΔT 55 °C	ΔT 70 °C	ΔT 105 °C
PRP2990 - PRP0990	12x4	48	179	**229**	261	323
PRP2000 - PRP1000	20x5	100	307	**393**	448	554
PRP2005 - PRP1005	25x5	125	367	**470**	535	663
PRP2010 - PRP1010	30x5	150	425	**545**	621	769
PRP2015 - PRP1015	40x5	200	539	**691**	787	976
PRP2020 - PRP1020	50x5	250	649	**833**	949	1178
PRP2025 - PRP1025	60x5	300	757	**971**	1106	1375
PRP2030 - PRP1030	80x5	400	965	**1238**	1412	1757
PRP2035 - PRP1035	100x5	500	1166	**1496**	1707	2126
PRP2040 - PRP1040	125x5	625	1408	**1808**	2064	2574
PRP2045 - PRP1045	30x10	300	643	**825**	940	1166
PRP2050 - PRP1050	40x10	400	800	**1027**	1171	1455
PRP2055 - PRP1055	50x10	500	950	**1220**	1392	1731
PRP2060 - PRP1060	60x10	600	1094	**1406**	1605	1999
PRP2065 - PRP1065	80x10	800	1370	**1762**	2013	2511
PRP2070 - PRP1070	100x10	1000	1633	**2102**	2402	3001
PRP2075 - PRP1075	120x10	1200	1887	**2429**	2777	3474
PRP1080	160x10	1600	2374	**3057**	3496	4380
PRP1085	200x10	2000	2842	**3659**	4186	5249

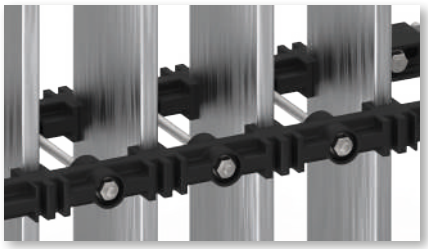
NOTE
For the use of bars in parallel refer to the table on page 40.

PRODUCTS CONFORMING TO REGULATIONS

Copper and Aluminium bars







SOLID ALUMINIUM BARS

Code	Reference		Code	Reference		Weight (kg/m)	A (mm)	s (mm)
Length 2000 mm			* Length 4000 mm					
BAP2000	BAP 20x10x2000	2	**BAP4000**	BAP 20x10x4000	1	0.54	20	10
BAP2005	BAP 30x10x2000	2	**BAP4005**	BAP 30x10x4000	1	0.81	30	10
BAP2010	BAP 40x10x2000	2	**BAP4010**	BAP 40x10x4000	1	1.08	40	10
BAP2015	BAP 50x10x2000	2	**BAP4015**	BAP 50x10x4000	1	1.35	50	10
BAP2020	BAP 60x10x2000	2	**BAP4020**	BAP 60x10x4000	1	1.62	60	10
BAP2025	BAP 80x10x2000	2	**BAP4025**	BAP 80x10x4000	1	2.16	80	10
BAP2030	BAP 100x10x2000	2	**BAP4030**	BAP 100x10x4000	1	2.70	100	10
BAP2035	BAP 120x10x2000	2	**BAP4035**	BAP 120x10x4000	1	3.24	120	10

* Length 4000 mm available on request.

Ampacity table based on the ΔT temperature rise
Reference room temperature Ta = 35°C

Code	Dimensions	Sect. (mm^2)	ΔT 35 °C	ΔT 55 °C	ΔT 70 °C	ΔT 105 °C
BAP2000 - BAP4000	20 X 10	200	381	**487**	554	683
BAP2005 - BAP4005	30 X 10	300	517	**662**	753	929
BAP2010 - BAP4010	40 X 10	400	647	**827**	941	1164
BAP2015 - BAP4015	50 X 10	500	771	**987**	1123	1390
BAP2020 - BAP4020	60 X 10	600	891	**1141**	1299	1609
BAP2025 - BAP4025	80 X 10	800	1123	**1438**	1638	2033
BAP2030 - BAP4030	100 X 10	1000	1344	**1724**	1964	2441
BAP2035 - BAP4035	120 X 10	1200	1559	**1999**	2279	2836

DERATING COEFFICIENT FOR THE USE OF BARS IN PARALLEL

	Number of bars in parallel		
Bar width (A)	//	///	// //
A < 63 mm	1.72	2.25	2.93
63 mm ≤ A < 100 mm	1.65	2.12	2.7
A = 100 mm	1.6	2.02	2.4
A > 100 mm	1.49	1.95	2.4

Table valid for threaded, prepunched and solid bars in both copper and aluminum.

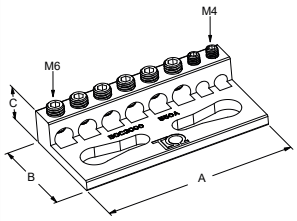
Example of bar choice: for In = 800 A, for Tmax = 90 °C, with 1 bar per phase.
Cf. tables with ΔT = Tmax – Ta =(90-35) =Δ55 °C with In ≥ 800 A:
- **copper prepunched bar** 50x5 (In = 833 A)
- **solid copper bar:** 50x5 (In=833 A), 30x10 (In=825 A)
- **solid aluminium bar** 50x10 (In = 827 A)

PRODUCTS CONFORMING TO REGULATIONS

BOC - Direct hook-up distribution block on copper bars

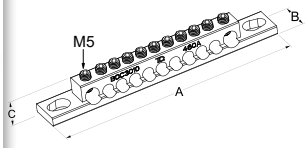


BOC3000





BOC3010



Code	Reference		Weight (kg)	A (mm)	B (mm)	C (mm)
BOC3000	BOC-8X-550	10	0,1	69,5	35	13
BOC3010	BOC-11X-460	10	0,1	118	15	13

TECHNICAL FEATURES

Distribution blocks are made of brass.
Galvanized steel grub screws 8.8 included.

BOC ADVANTAGES

- Quick and universal installation with a single product on threaded or pre-drilled bars of different types.
- Compact solution with minimal space requirement.
- Two different ranges of cable cross sections to adapt to different applications.

BOC3000 ADVANTAGES

- Optimized design to maximize contact surface on profiled bars.
- Oblong holes suitable for direct fixing with M5, M6, M8 and M10 screws.
- Guided insertion of cables with stop to guarantee firmness of the connection.
- 8 outputs with or without terminal up to a maximum of 550 A total.

BOC3010 ADVANTAGES

- Oblong holes suitable for direct fixing with M5, M6, and M8 screws.
- Guided insertion of cables from both sides.
- 11 outputs with or without terminal up to a maximum of 460 A total.

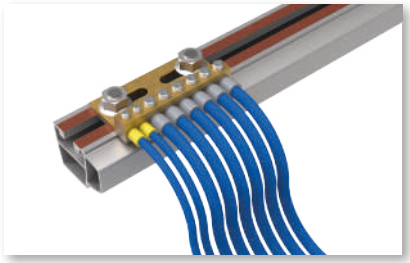
Code	IN/OUT	Sect. (mm^2)	Sect. (mm^2)	No.	Ø (mm)
BOC3000	← OUT	1,5 - 16	1,5 - 16	6	7
	← OUT	1 - 6	1 - 6	2	5
BOC3010	← OUT	1 - 10	1 - 10	9	5,7
	← OUT	1,5 - 16	1,5 - 16	2	7,2

Sect. (mm^2)	Sect. (mm^2)	(Nm)
1 - 1,5	1 - 1,5	0,5
2,5	2,5	0,8
4 - 6	4 - 6	1
10	10	2
16	16	4

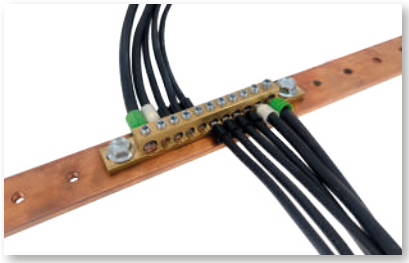
APPLICATIONS:



BOC3000



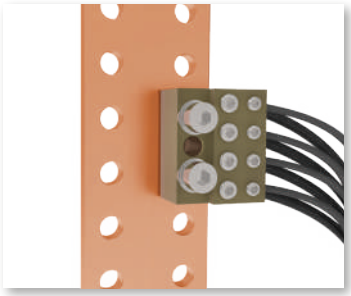
BOC3000

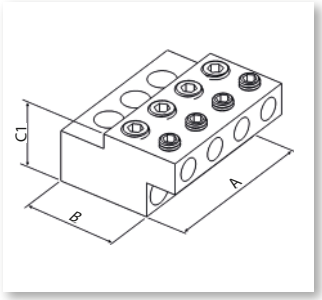


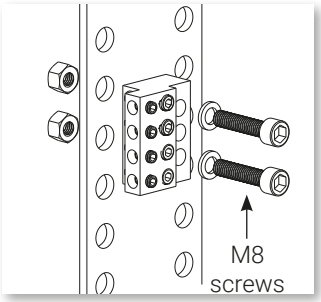
BOC3010

PRODUCTS CONFORMING TO REGULATIONS

BOC - Direct hook-up distribution block on copper bars





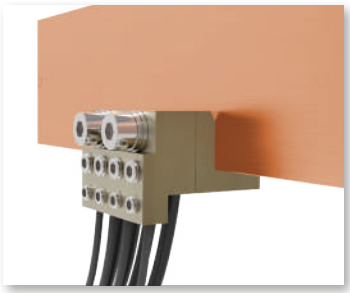


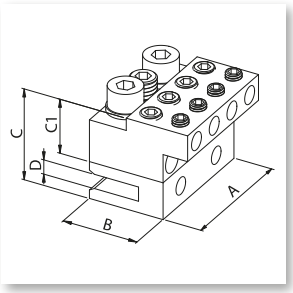
BOC1000 allows direct connection on prepunched bars with 25 mm pitch. The distribution block allows attachment to bars of any thickness.

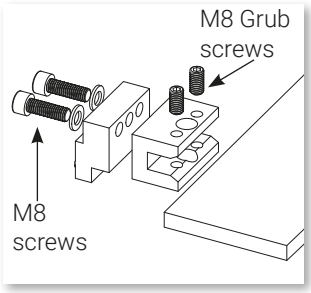
NOTE
M8 screws are to be tightened with a torque of 6 Nm.
Screws not included.

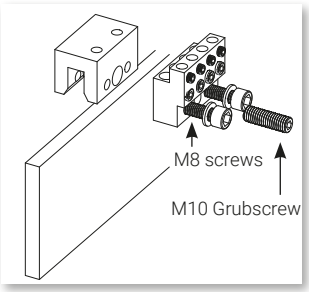
Code	Reference		Weight (kg)	A (mm)	B (mm)	C1 (mm)
BOC1000	BOC RIP 8 *	12	0.22	50	30	22

** 8 output distribution block*









BOC1005 and BOC1010 allow direct connection on prepunched, threaded or solid bars with two different installation configurations.
These distribution blocks can be attached to 5 or 10 mm thick bars.

NOTE
M8 screws are to be tightened with a torque of 6 Nm.
M10 screws are to be tightened with a torque of 10 Nm.
Hardware included.

Code	Reference		Weight (kg)	A (mm)	B (mm)	C (mm)	C1 (mm)	D (mm)
BOC1005	BOC KIT 8 - 5 **	12	0.39	50	30	37	22	5
BOC1010	BOC KIT 8 - 10 ***	12	0.51	50	30	52	22	10

*** 8 output distribution block + connection on 5 mm thick bar 5 mm*
**** 8 output distribution block + connection on 10 mm thick bar 10 mm*

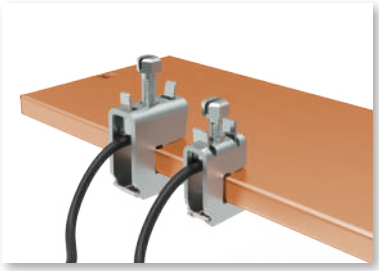
TECHNICAL FEATURES (valid for BOC1000, BOC1005, BOC1010)

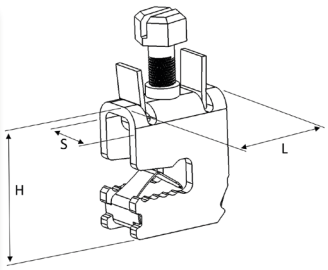
The distribution blocks are made of brass.
Simple and quick derivations with cables up to 25 and/or 35 mm² that can be used up to 400 A.
The connection units allow spacing of drilled bars of the same phase.
Compliant with standard IEC 60947-1

Code	IN/OUT	Sect. (mm²)	Sect. (mm²)	No.	Ø (mm)	(Nm)
BOC1000 BOC1005 BOC1010	⟵ OUT	2,5 ÷ 25	2,5 ÷ 16	4	7	3
	⟵ OUT	4 ÷ 35	4 ÷ 25	4	9	6

Cables legend:
Stripped wire
Cable with ferrule

PRODUCTS CONFORMING TO REGULATIONS





TECHNICAL CHARACTERISTICS

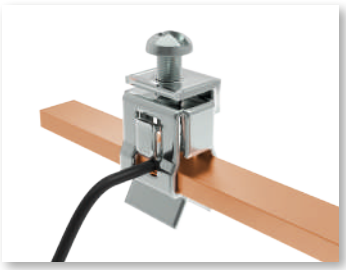
Material: Passivated galvanized steel
Connections on solid bars 5 and 10 mm thick
Suitable for cable cross-sections: from 1.5 to 185 mm²
Compliant with: EN 60998-1
Cable clamps can connect 1 cable each

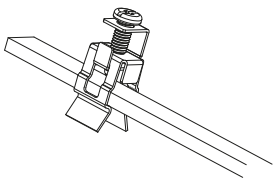
ADVANTAGES

Easy and quick to use, without punching, even on already mounted bars
Positioning spring
Indirect clamping with plate to prevent damage to files

TERMINALS FOR CABLE

Code	Reference		H (mm)	L (mm)	S (mm)	Cable cross- section (mm²)	(Nm)
Terminals for 5 mm thick bars							
MCR1000	MCR 5x16	10	26	22	12	1.5 ÷ 16	3
MCR1005	MCR 5x35	10	31	29	16	16 ÷ 35	6
MCR1010	MCR 5x70	10	39	31	21	35 ÷ 70	10
MCR1015	MCR 5x120	10	44	34	24	70 ÷ 120	15
MCR1017	MCR 5x185	10	50	40	28	120 ÷ 185	30
Terminals for 10 mm thick bars							
MCR1020	MCR 10x16	10	31	22	12	1.5 ÷ 16	3
MCR1025	MCR 10x35	10	37	29	16	16 ÷ 35	6
MCR1030	MCR 10x70	10	43	31	21	35 ÷ 70	10
MCR1035	MCR 10x120	10	48	34	24	70 ÷ 120	15
MCR1037	MCR 10x185	10	54	40	28	120 ÷ 185	30





TECHNICAL CHARACTERISTICS

Material: Passivated galvanized steel
Connection on solid bars 12x4 mm
Suitable for cable cross-sections: from 1.5 to 16 mm²
Compliant with: EN 60998-1
Cable clamps can connect 1 cable each

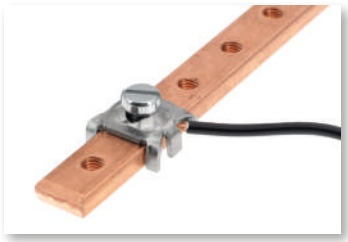
ADVANTAGES

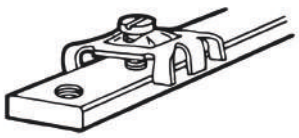
Easy and quick to use, without punching, even on already mounted bars
Mounting clip
Indirect clamping with plate to prevent damage to files

TERMINAL WITH CLIP

Code	Reference		Bar cross-section	No. cable	Cable cross- section (mm²)	(Nm)
MCR2000	MCR 4x12	10	12x4	1	1.5 ÷ 16	2

PRODUCTS CONFORMING TO REGULATIONS





TECHNICAL CHARACTERISTICS

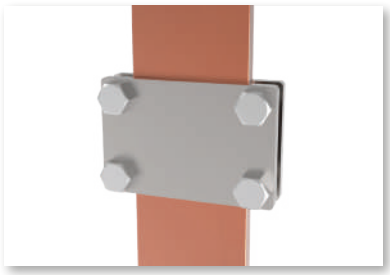
Material: Passivated galvanized steel
Spider connector for threaded bars can be used to connect up to 2 10 mm² cables
Complete with screw M5x12
Compliant with: EN 60998-1

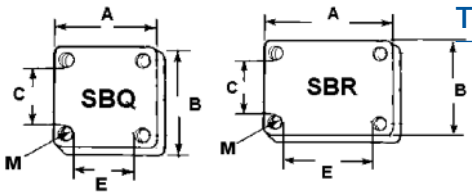
ADVANTAGES

Easy and quick to use, even on already mounted bars
Self-locking
Indirect tightening thus preventing the wire from breaking

SPIDER CONNECTOR FOR THREADED BARS

Code	Reference		Bar cross-section	Cable cross- section (mm²)	(Nm)
MCR1100	MCR 4xM5	100	12x4 - 12x5	1.5 ÷ 10	2





TECHNICAL CHARACTERISTICS

Material: Galvanized steel
Max. tightening thickness 20 mm (with 8.8 screws of length 30 mm supplied)
Compliant with: EN 60998-1
Plates thickness 5 mm

ADVANTAGES

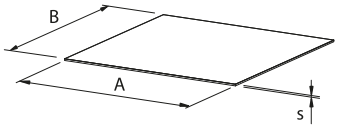
Connection without drilling and bolting
Quick and easy use even on already mounted bar systems

BUSBAR CLAMPS FOR SOLID AND FLEXIBLE BARS

Code	Reference		E (mm)	C (mm)	A (mm)	B (mm)	M	(Nm)
SBR1000	SBR 50x24	4	52	26	77	51	M8	10
SBR1005	SBR 50x32	4	52	34	77	59	M8	10
SBR1010	SBR 50x40	4	52	42	77	67	M8	10
SBR1015	SBR 80x24	4	82	26	107	51	M8	10
SBR1020	SBR 80x32	4	82	34	107	59	M8	10
SBR1025	SBR 80x50	4	82	52	107	77	M8	10
SBQ1000	SBQ 30x30	4	32	32	53	53	M8	10
SBQ1005	SBQ 40x40	4	42	42	63	63	M8	10
SBQ1010	SBQ 50x50	4	52	52	77	77	M8	10
SBQ1015	SBQ 63x63	4	65	65	90	90	M8	10
SBQ1020	SBQ 80x80	4	82	82	115	115	M10	10
SBQ1025	SBQ 100x100	4	102	102	135	135	M10	10

PRODUCTS CONFORMING TO REGULATIONS





TECHNICAL CHARACTERISTICS

Material: Bimetallic elements consist of copper plated aluminium plates Cu-ETP Cu 99.976
Copper: 30% of the total weight

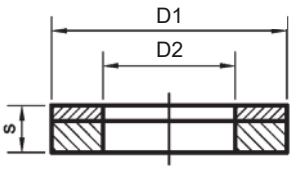
ADVANTAGES

Al-Cu connections secure and protected from corrosion

BIMETALLIC (Cu-Al) SHEET

Code	Reference		A (mm)	B (mm)	s (mm)
PBM1000	PBM 100x100	10	100	100	1.0





TECHNICAL CHARACTERISTICS

Material: Bimetallic elements consist of copper plated aluminium plates Cu-ETP Cu 99.976
Copper: 30% of the total weight

ADVANTAGES

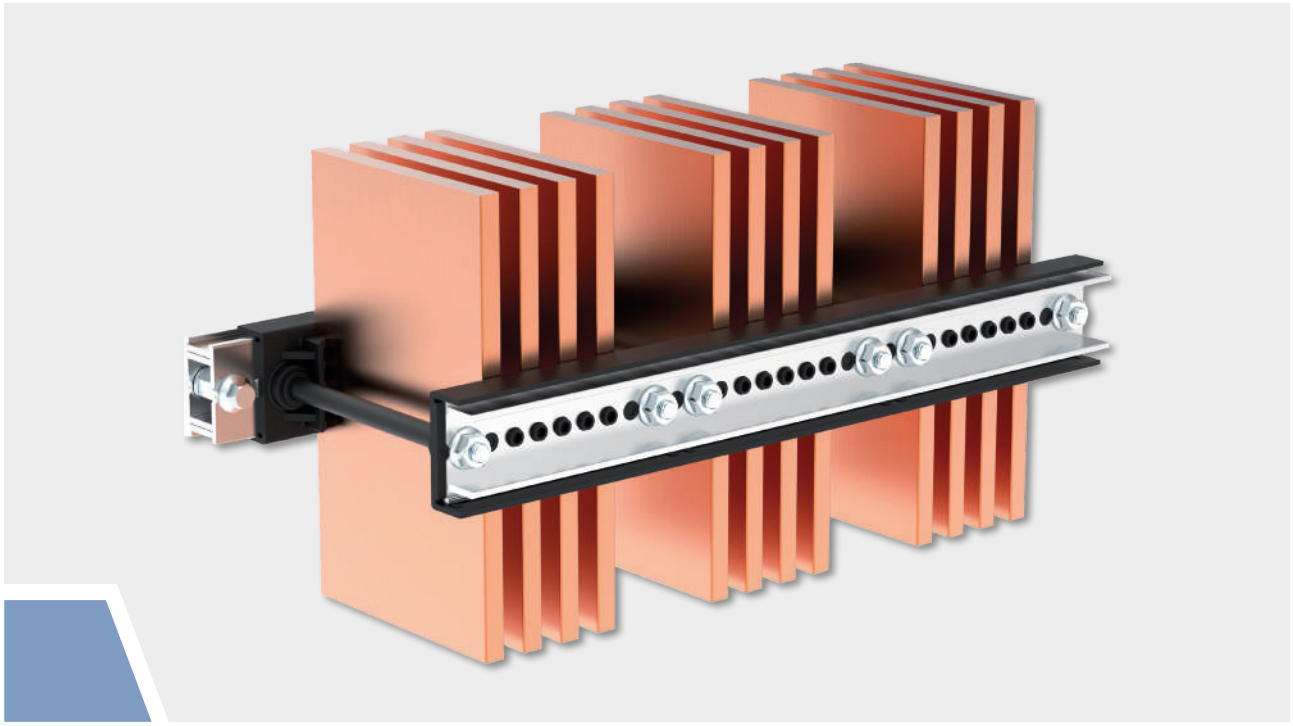
Al-Cu connections secure and protected from corrosion

Bimetallic (Cu-Al) Washers

Code	Reference		D1 (mm)	D2 (mm)	s (mm)
PBM2000	RBM M6	100	15	6.5	1.0
PBM2005	RBM M8	100	18	8.5	1.0
PBM2010	RBM M10	50	22	10.5	1.5
PBM2015	RBM M12	50	25	13	2.0

PRODUCTS CONFORMING TO REGULATIONS

Bar supports



APPLICATIONS

TEKNOMEGA bar supports make it possible to efficiently and conveniently support all copper and/or aluminium bar systems inside an electrical cabinet

The versatility and universality of our bar supports allows the panel board fitter to easily handle the few references to make a wide range of configurations in any type of panel board metalwork.
TEKNOMEGA dedicated particular attention to the efficiency and safety of these products, carrying out TYPE TESTS on all the here indicated references as per the requirements of the reference standards at acknowledged laboratories.

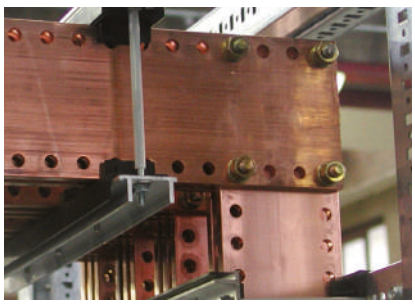
ADVANTAGES

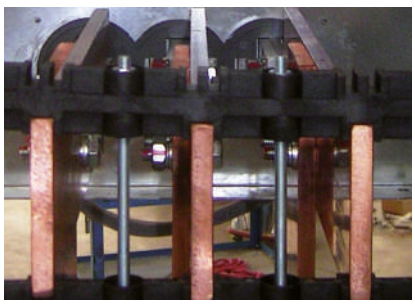
- Complete range to support side and flat bars
- For copper and aluminium bars
- Maximum versatility of use and application
- Quick and simplified universal fitting
- Universal

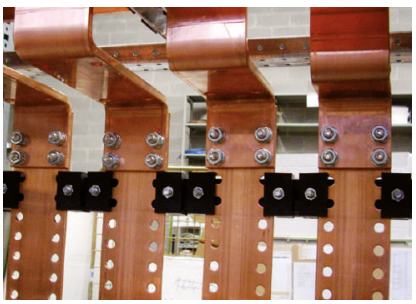
Can be used on the following thicknesses: 5 - 10 mm
Tested and certified in compliance with standard IEC 61439-2

Maximum continuous operation temperature is:

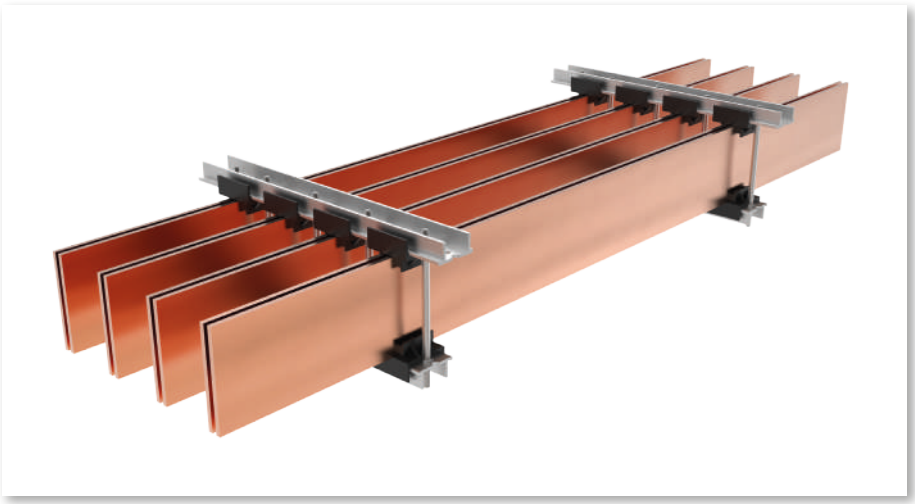
- TOP and TOP JUNIOR +125 °C
- TOP FLAT +140 °C

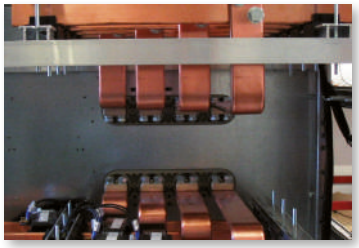


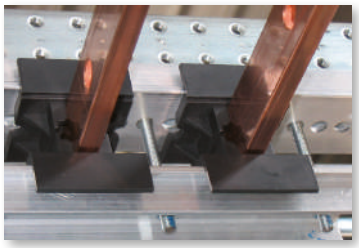




PRODUCTS CONFORMING TO REGULATIONS







The Ω TOP bar support is built using two references only:
1) aluminium support and fitting profile.
2) set of blocks/screws with all that is needed to make a bar support.
There are also some pre-assembled bar supports for panel boards 400 and 600 mm depth, as well as accessories such as:
- rilsan tube advised for configurations with minimum spacing between phases
- brackets for horizontal omnibus and vertical busbar (to be used also to compensate the offset between different bar systems).

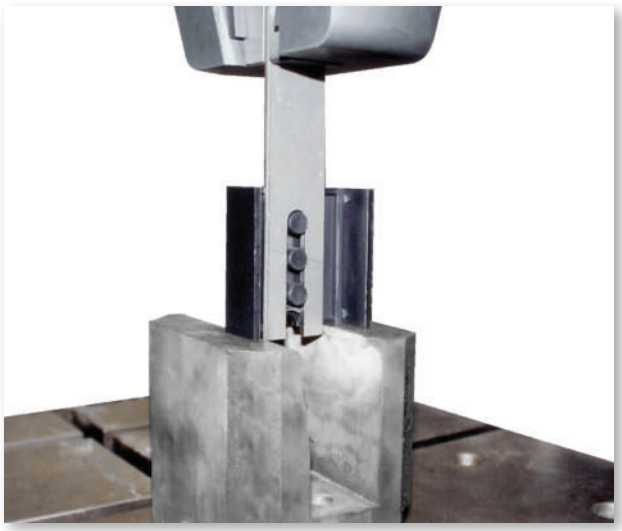
BLOCKS AND SCREWS SETS Ω TOP 4/10 have a full set of accessories such as PA12 tubes to isolate the threaded rods.

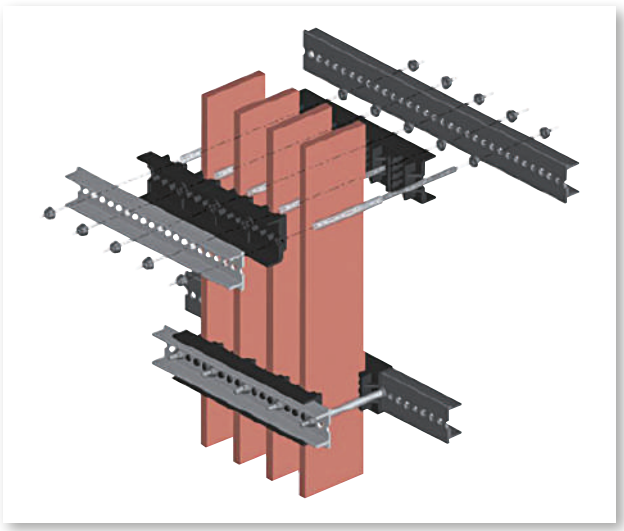
Other versions of DISTRIBUTION SUPPORT KITS, which include Alu profile, are available for the 400 and 600 mm depth panel boards.

TECHNICAL CHARACTERISTICS

- Rated voltage: 1000 V AC / 1500 V DC
- Adjustable distance between phases
- Exceptional resistance to short-circuits
- High versatility
- Sets of blocks with screws
- Prepunched support profile in non-magnetic aluminium
  non-magnetic
- Bar thickness 5 and 10 mm

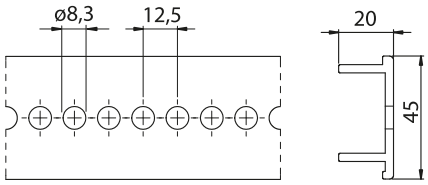
Certifications:
Compliant with standard IEC 61439-2
CERTIFICATES ACAE-LOVAG





Ω TOP - Universal bar support





file n° E300607

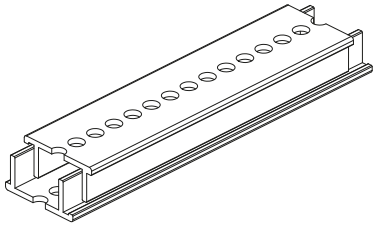
TECHNICAL CHARACTERISTICS

Material: non-magnetic aluminum alloy EN AW-6060 T5

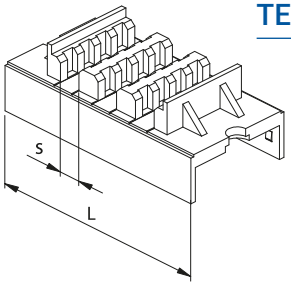
SUPPORT PROFILE

Code	Reference		Weight (kg)
TOP1000	TOP PR2000	2	1.2

- One single code for all configurations
- Made of aluminum
- 2 meters long
- Used double, due to the asymmetrical shape, it enables the formation of a structure with high mechanical strength (for large horizontal loads)



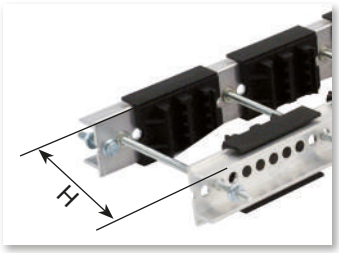




file n° E300607

TECHNICAL CHARACTERISTICS

Material: PA 6.6 reinforced
Color: black
35% fiberglass
Self-extinguishing: UL 94-V0



BLOCKS AND SCREW SET

Code	Reference		Type	Total No. blocks	No. Tie-rods	No. bars	s (mm)	H* min-max (mm)	L (mm)
TOP1005	TOP 2/5T	1	T	6	4	1÷2	5	30-130	50
TOP1010	TOP 2/5TN	1	T+N	8	5	1÷2	5	30-130	50
TOP1015	TOP 4/5T	1	T	6	4	1÷4	5	30-130	75
TOP1020	TOP 4/5TN	1	T+N	8	5	1÷4	5	30-130	75
TOP1025	TOP 1/10T	1	T	6	4	1	10	30-130	50
TOP1030	TOP 1/10TN	1	T+N	8	5	1	10	30-130	50
TOP1035	TOP 2/10T	1	T	6	4	1÷2	10	30-130	75
TOP1040	TOP 2/10TN	1	T+N	8	5	1÷2	10	30-130	75
TOP1045	TOP 3/10T	1	T	6	4	1÷3	10	30-130	100
TOP1050	TOP 3/10TN	1	T+N	8	5	1÷3	10	30-130	100

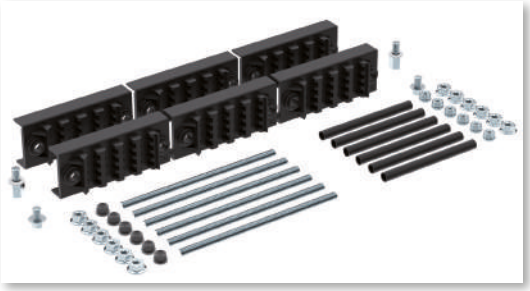
** H = bar width*

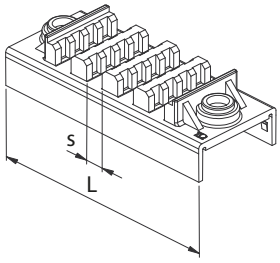
The set is made of insulating blocks for 5 to 10 mm thick bars and of all the screws and tie-rods needed to make T (3-pole) or T+N (3-pole+neutral) configured bar support

Example: To make a bar support in config.
Three-phase + Neutral (TN), with 2 bars per phase
10 mm thick (2/10) = 2/10 TN

Select: Aluminium profile TOP1000
Set of blocks and screws TOP1040

PRODUCTS CONFORMING TO REGULATIONS





TECHNICAL CHARACTERISTICS

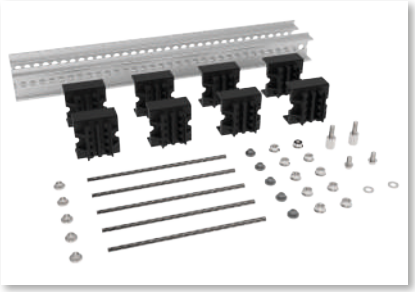
Material: PA 6.6 reinforced 35% fiberglass
Color: black
Self-extinguishing: UL 94-V0
The TOP1052 and TOP1053 kits also include PA12 tubes for M8 tie-rod insulation.

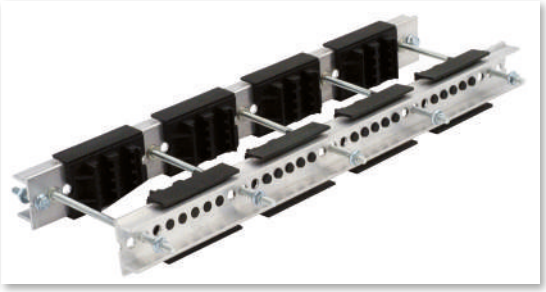
BLOCKS AND SCREW SET Ω TOP 4/10

Code	Reference		Type	No. blocks	No. Tie-rods	No. bars	s (mm)	H* min-max (mm)	L (mm)
TOP1052	TOP 4/10T	1	T	6	6	1÷4	10	30-120	125
TOP1053	TOP 4/10TN	1	T+N	8	8	1÷4	10	30-120	125

** H = bar width*

TECHNICAL CHARACTERISTICS





Profile: see TOP1000

Blocks
Material: PA 6.6 reinforced 35% fiberglass
Color: black
Self-extinguishing: UL 94-V0

file n° E300607

BAR SUPPORT KIT

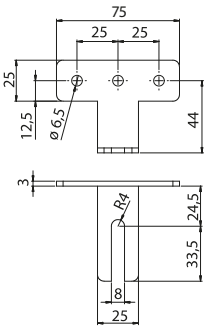
Code	Reference		Type	For panel depth (mm)
TOP1060	TOP 2/5TN-400	1	T+N	400
TOP1065	TOP 1/10TN-400	1	T+N	400
TOP1070	TOP 2/5TN-600	1	T+N	600
TOP1075	TOP 2/10TN-600	1	T+N	600

TECHNICAL CHARACTERISTICS

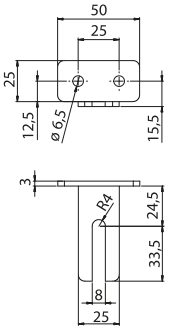




TOP1100



TOP1105



Material TOP1055: PA12
Working temperature: -40 °C ÷ + 80 °C
Material TOP1100 - TOP1105: Galvanized steel

file n° E300607

ACCESSORIES

Code	Reference	Description	
TOP1055	TOP TI	Pipe for insulation tie rod Ø8x6, L = 140mm	100
TOP1100	TOP SQ-O	Bracket for horizontal busbar - 3 holes	10
TOP1105	TOP SQ-V	Bracket for vertical busbar - 2 holes	10

PRODUCTS CONFORMING TO REGULATIONS

Ω TOP - Universal bar support

USEFUL AND IMPORTANT INFORMATION

- The distances between supports (in mm) are calculated taking into account the yield strength of copper; therefore, the values given, do not allow permanent deformation of the copper bars, stressed by the short circuit.
- The first and last bar support must be assembled at a distance from the bar extremities not exceeding 1/4 of the distance requested between supports.
- For short-circuit resistance values other than or intermediate to the indicated ones:
- For configurations other than the indicated ones:
- For distances between phases intermediate or higher than the indicated ones:
- For aluminium bars

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- The first indicated value as the "Spacing between phases" is the minimum possible obtainable for the specific configuration of bar supports (values marked in bold in the tables).
- For some minimum phase spacing configurations, it may be difficult for internal phases to inserting the hardware; it is recommended to mount one phase at a time.
- In configurations with minimum spacing between phases, one should use the TOP1055 RILSAN tube to insulate the tie-rod.

Important

- For configurations starting with No. 2 80x10 copper bars or No. 3 50x10 copper bars per phase, it is recommended to use the DOUBLE aluminum profile (i.e., two profiles coupled, one inside the other, to create a kind of square tube of considerable mechanical rigidity).

Distance between supports depending on Icc (short-circuit current)

Ipk = *Short-circuit current peak value expressed in kA*
Icw = *Effective value of short-circuit current, duration equal to 1 second, expressed in kA*

Ω TOP 4 / 10 >> 4 BARS PER PHASE

Ipk (kA)		105			165			187			220			264		
Icw (kA)		50			75			85			100			120		
Spacing between the phases (mm)		125	150	175	125	150	175	125	150	175	125	150	175	125	150	175
BAR CROSS-SECTION H x s	50X10	**900**	900	900	**600**	657	710	**498**	580	626	**359**	431	503	**249**	299	349
	60X10	**900**	900	900	**639**	720	778	**498**	597	686	**359**	431	503	**249**	299	349
	80X10	**900**	900	900	**639**	767	895	**498**	597	697	**359**	431	503	**249**	299	349
	100X10	**900**	900	900	**639**	767	895	**498**	597	697	**359**	431	503	**249**	299	349
	120X10	**900**	900	900	**639**	767	895	**498**	597	697	**359**	431	503	**249**	299	349

Ω TOP 4 / 10 >> 3 BARS PER PHASE

Ipk (kA)		105			165			187			220			242		
Icw (kA)		50			75			85			100			110		
Spacing between the phases (mm)		125	150	175	125	150	175	125	150	175	125	150	175	125	150	175
BAR CROSS-SECTION H x s	50X10	**817**	895	900	**520**	569	615	**458**	502	542	**332**	399	461	**274**	329	384
	60X10	**895**	900	900	**569**	624	674	**460**	550	594	**332**	399	465	**274**	329	384
	80X10	**900**	900	900	**591**	709	778	**460**	552	644	**332**	399	465	**274**	329	384
	100X10	**900**	900	900	**591**	709	828	**460**	552	644	**332**	399	465	**274**	329	384
	120X10	**900**	900	900	**591**	709	828	**460**	552	644	**332**	399	465	**274**	329	384

• *Values marked in bold refer to the MAXIMUM spacing between supports*

PRODUCTS CONFORMING TO REGULATIONS REACH RoHS COMPLIANT

Ω TOP 3 / 10 >> 3 BARS PER PHASE

Ipk (kA)		105				143				165				187				220			
Icw (kA)		50				65				75				85				100			
Spacing between the phases (mm)		100	125	150	175	100	125	150	175	100	125	150	175	100	125	150	175	100	125	150	175
BAR CROSS-SECTION H x s	30x10	**566**	633	693	749	**415**	464	509	549	**360**	402	441	476	**317**	355	389	420	**249**	302	330	357
	40x10	**653**	730	800	864	**480**	536	587	635	**416**	465	509	550	**345**	410	449	485	**249**	312	374	412
	50x10	**730**	817	895	900	**536**	600	657	710	**444**	520	569	615	**345**	432	502	542	**249**	312	374	437
	60x10	**800**	895	900	900	**587**	657	720	777	**444**	555	624	674	**345**	432	518	594	**249**	312	374	437
	80x10	**900**	900	900	900	**591**	739	831	898	**444**	555	666	777	**345**	432	518	605	**249**	312	374	437
	100x10	**900**	900	900	900	**591**	739	887	900	**444**	555	666	777	**345**	432	518	605	**249**	312	374	437
	120x10	**900**	900	900	900	**591**	739	887	900	**444**	555	666	777	**345**	432	518	605	**249**	312	374	437

Ω TOP 2 / 10 >> 2 BARS PER PHASE

Ipk (kA)		74				105				165				187			
Icw (kA)		35				50				75				85			
Spacing between the phases (mm)		75	100	125	150	75	100	125	150	75	100	125	150	75	100	125	150
BAR CROSS-SECTION H x s	30x10	**571**	660	738	808	**400**	462	516	566	**254**	294	328	360	**224**	259	290	317
	40x10	**660**	762	852	900	**462**	533	596	653	**294**	339	379	416	**254**	299	335	367
	50x10	**738**	852	900	900	**516**	596	667	730	**326**	379	424	465	**254**	335	374	410
	60x10	**808**	900	900	900	**566**	653	730	800	**326**	416	465	509	**254**	338	410	449
	80x10	**900**	900	900	900	**653**	754	844	900	**326**	435	537	588	**254**	338	423	508
	100x10	**900**	900	900	900	**730**	844	900	900	**326**	435	544	652	**254**	338	423	508
	120x10	**900**	900	900	900	**900**	900	900	900	**326**	435	544	652	**254**	338	423	508

Ω TOP 1 / 10 >> 1 BAR PER PHASE

Ipk (kA)		52				74				105				143			
Icw (kA)		25				35				50				65			
Spacing between the phases (mm)		50	75	100	125	50	75	100	125	50	75	100	125	50	75	100	125
BAR CROSS-SECTION H x s	30x10	**462**	566	653	730	**330**	404	466	522	**231**	283	326	365	**169**	207	240	268
	40x10	**533**	653	754	844	**381**	466	539	602	**266**	326	377	422	**195**	240	277	309
	50x10	**596**	730	844	900	**426**	522	602	674	**298**	365	422	471	**219**	268	309	346
	60x10	**653**	800	900	900	**466**	571	660	738	**326**	400	462	516	**240**	293	339	379
	80x10	**754**	900	900	900	**539**	660	762	852	**377**	462	533	596	**258**	339	391	438
	100x10	**844**	900	900	900	**602**	738	852	900	**422**	516	596	667	**258**	379	438	489
	120x10	**900**	900	900	900	**660**	808	900	900	**462**	566	653	730	**258**	387	480	536

• Values marked in bold refer to the MAXIMUM spacing between supports

PRODUCTS CONFORMING TO REGULATIONS

Distance between supports depending on Icc (short-circuit current)

Ipk = *Short-circuit current peak value expressed in kA*
Icw = *Effective value of short-circuit current, duration equal to 1 second, expressed in kA*

Ω TOP 4 / 5 >> 4 BARS PER PHASE

Ipk (kA)		53				74				105				143				165			
Icw (kA)		25				35				50				65				75			
Spacing between the phases (mm)		75	100	125	150	75	100	125	150	75	100	125	150	75	100	125	150	75	100	125	150
BAR CROSS-SECTION H x s	30x5	**550**	640	720	780	**400**	460	510	560	**270**	310	340	380	**210**	240	270	290	**180**	210	230	250
	40x5	**640**	740	830	900	**460**	530	590	650	**310**	360	400	440	**240**	270	310	340	**200**	240	270	290
	50x5	**715**	830	900	900	**510**	590	660	720	**340**	400	440	490	**265**	310	340	370	**200**	265	300	320
	63x5	**800**	900	900	900	**570**	660	740	810	**390**	450	500	550	**265**	340	380	420	**200**	265	330	360
	80x5	**900**	900	900	900	**650**	750	840	900	**440**	500	560	620	**265**	355	430	470	**200**	265	330	400
	100x5	**900**	900	900	900	**720**	840	900	900	**450**	560	630	690	**265**	355	430	530	**200**	265	330	400
	125x5	**900**	900	900	900	**810**	900	900	900	**450**	600	700	770	**265**	355	430	530	**200**	265	330	400

Ω TOP 4 / 5 >> 3 BARS PER PHASE

Ipk (kA)		53				74				105				143				165			
Icw (kA)		25				35				50				65				75			
Spacing between the phases (mm)		75	100	125	150	75	100	125	150	75	100	125	150	75	100	125	150	75	100	125	150
BAR CROSS-SECTION H x s	30x5	**480**	550	620	680	**340**	400	440	490	**230**	270	300	330	**180**	210	230	250	**150**	180	200	220
	40x5	**550**	640	720	780	**400**	460	510	560	**270**	310	340	380	**210**	240	270	290	**175**	210	230	250
	50x5	**620**	720	800	880	**440**	510	570	630	**300**	340	390	420	**230**	270	300	320	**175**	230	260	280
	63x5	**700**	800	900	900	**500**	570	640	700	**330**	390	430	470	**230**	300	330	360	**175**	230	290	320
	80x5	**780**	900	900	900	**560**	650	720	790	**380**	440	490	530	**230**	310	370	410	**175**	230	290	345
	100x5	**880**	900	900	900	**630**	720	810	890	**390**	490	540	600	**230**	310	385	460	**175**	230	290	345
	125x5	**900**	900	900	900	**700**	810	900	900	**390**	520	610	670	**230**	310	385	465	**175**	230	290	345

• *Values marked in bold refer to the MAXIMUM spacing between supports*
⋆ *value less than 100 mm*

PRODUCTS CONFORMING TO REGULATIONS

Distance between supports depending on Icc (short-circuit current)

Ipk = *Short-circuit current peak value expressed in kA*
Icw = *Effective value of short-circuit current, duration equal to 1 second, expressed in kA*

Ω TOP 2 / 5 >> 2 BARS PER PHASE

Ipk (kA)		53				74				105				143			
Icw (kA)		25				35				50				65			
Spacing between the phases (mm)		50	75	100	125	50	75	100	125	50	75	100	125	50	75	100	125
BAR CROSS-SECTION H x s	30x5	**320**	390	450	510	**230**	280	320	360	**150**	190	220	240	**120**	150	170	190
	40x5	**370**	450	520	580	**260**	320	370	420	**180**	220	250	280	**140**	170	190	220
	50x5	**410**	510	580	650	**300**	360	420	470	**200**	240	280	310	**150**	190	220	240
	63x5	**460**	570	660	730	**330**	410	470	520	**220**	270	320	350	**170**	210	240	270
	80x5	**520**	640	740	830	**370**	460	530	590	**250**	310	360	400	**165**	240	270	310
	100x5	**580**	720	830	900	**420**	510	590	660	**280**	340	400	440	**165**	250	310	340
	125x5	**650**	800	900	900	**470**	570	660	740	**285**	390	440	500	**165**	250	335	380

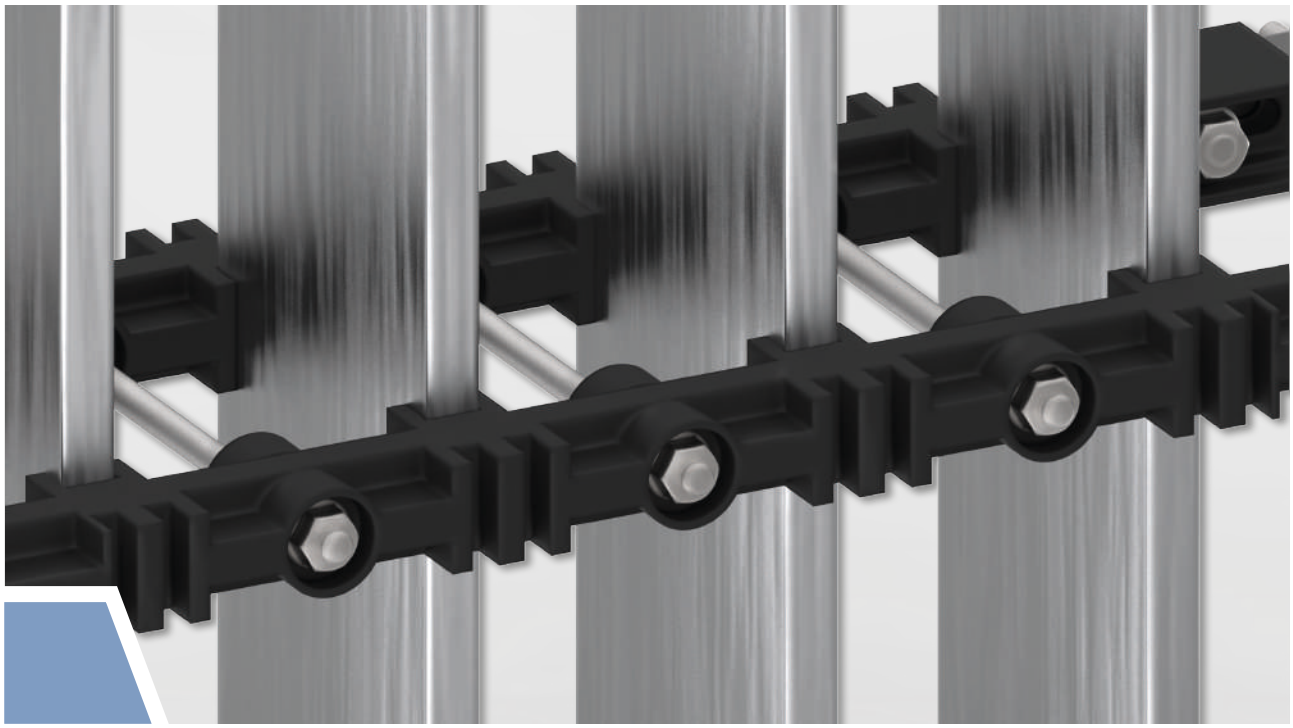
Ω TOP 2 / 5 >> 1 BARS PER PHASE

Ipk (kA)		53				74				105				143			
Icw (kA)		25				35				50				65			
Spacing between the phases (mm)		50	75	100	125	50	75	100	125	50	75	100	125	50	75	100	125
BAR CROSS-SECTION H x s	30x5	**225**	280	320	360	**160**	200	230	260	**110**	135	155	175	**-***	100	120	130
	40x5	**265**	320	370	415	**190**	230	265	300	**125**	155	180	200	**-***	120	135	155
	50x5	**295**	360	415	465	**210**	260	300	335	**140**	175	200	225	**110**	130	155	170
	63x5	**330**	405	470	525	**235**	290	335	375	**160**	195	225	250	**120**	150	170	195
	80x5	**370**	455	530	585	**265**	325	375	420	**180**	220	255	285	**135**	170	195	220
	100x5	**415**	510	585	655	**300**	365	420	470	**200**	245	285	315	**155**	190	220	245
	125x5	**465**	570	655	735	**335**	405	470	525	**225**	275	315	355	**155**	210	245	275

• *Values marked in bold refer to the MAXIMUM spacing between supports*
⋆ *value less than 100 mm*

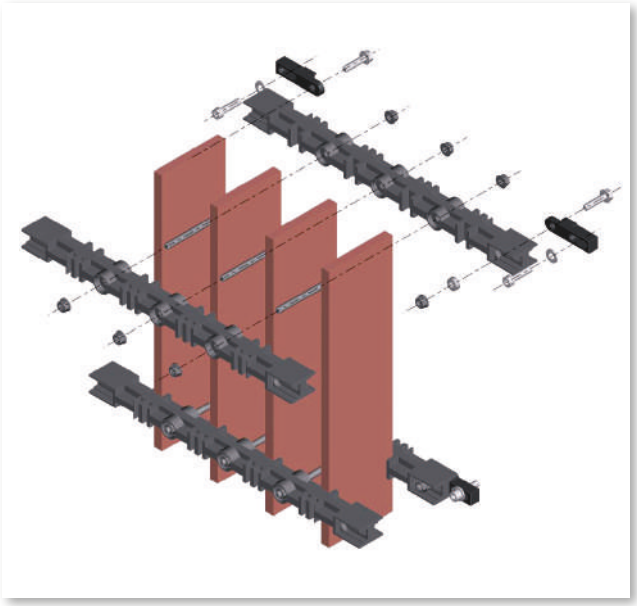
PRODUCTS CONFORMING TO REGULATIONS

Ω TOP JUNIOR - Compact bar support



TECHNICAL CHARACTERISTICS

- Rated voltage: 1000 V AC / 1500 V DC
- High versatility
- Space between phases 70 mm
- High resistance to short-circuit
- Unique solution for supporting 5 and 10 mm thick bars
- Fitting directly on 400 mm deep panel boards
- Adjustable fasteners supplied
- Max. working temperature : +125 °C



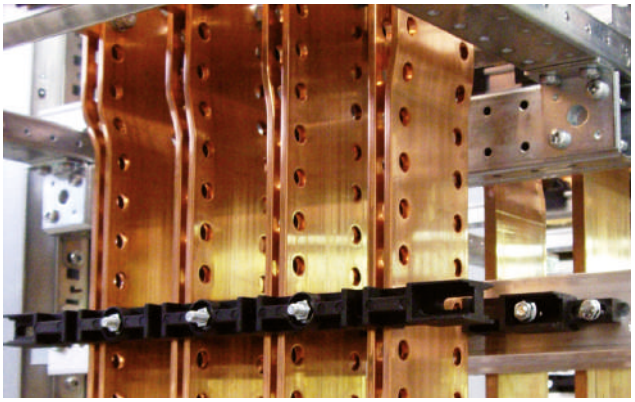
Material:

Polyamide 6.6 reinforced with 35% fiberglass
Self-extinguishing UL 94-V0
Color: black

Certifications:

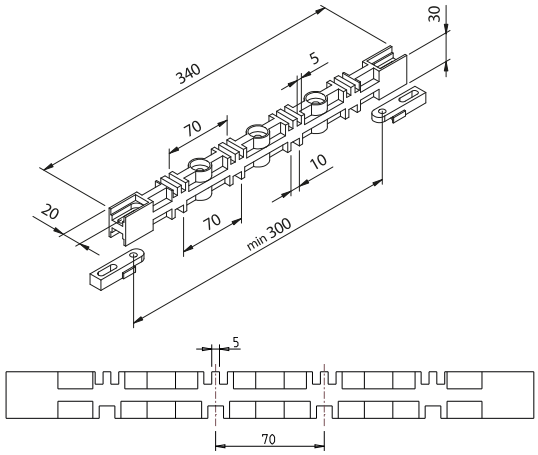
Compliant with standard IEC 61439-2
CERTIFICATE ACAE-LOVAG





PRODUCTS CONFORMING TO REGULATIONS





Code	Reference		Type		No. Tie-rods	No. bars	s (mm)	H* min ÷ max (mm)
TOP2000	TOP J 5-10	2	T + N	2 / 5	3	1-2	5	30 ÷ 80
				1 / 10		1	10	30 ÷ 80

** H = bar width*

Distance between supports depending on Icc (short-circuit current)
Ipk = *Short-circuit current peak value expressed in kA*
Icw = *Effective value of short-circuit current, duration equal to 1 second, expressed in kA*

Ω TOP JUNIOR 1 / 10 >> 1 BARS PER PHASE

Ipk (kA)		53	74	110	132
Icw (kA)		25	35	50	60
Spacing between phases (mm)		70			
BAR CROSS-SECTION H x s	30x10	540	385	260	200
	40x10	620	445	285	200
	50x10	695	495	285	200
	60x10	760	545	285	200
	80x10	870	630	285	200

ΩTOP JUNIOR 2 / 5 >> 1 BAR PER PHASE

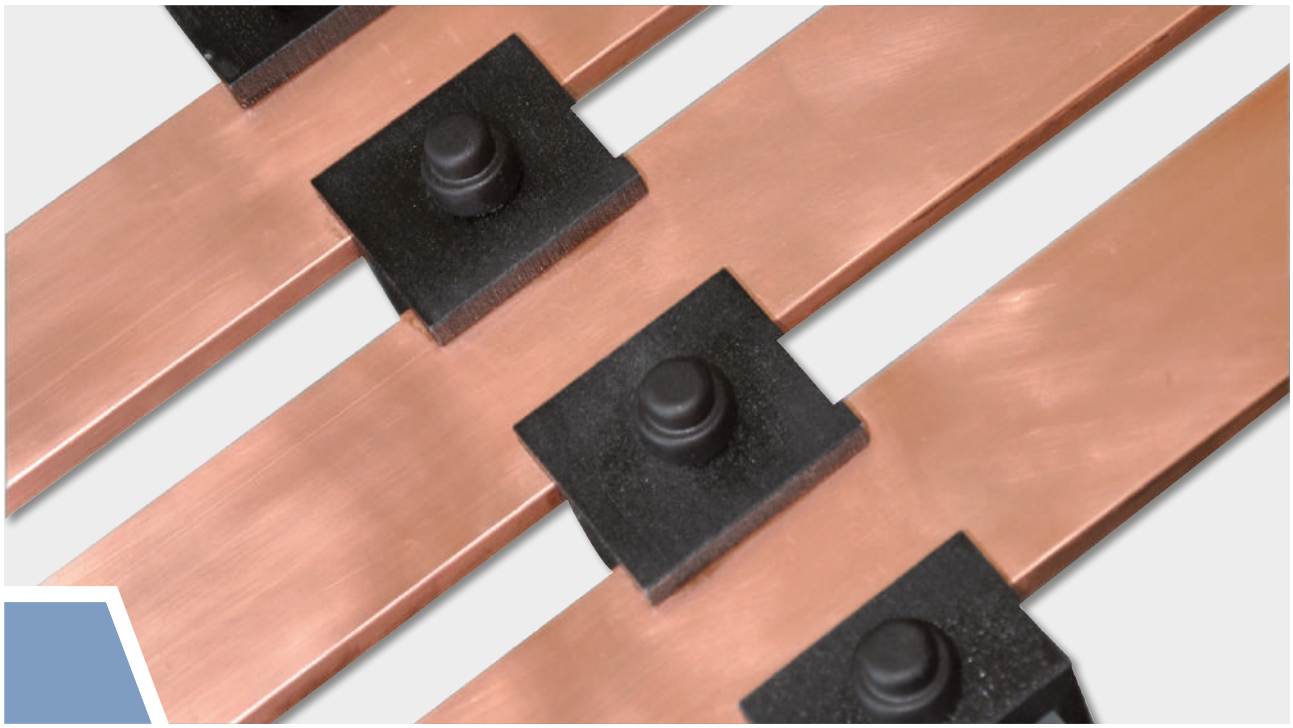
Ipk (kA)		53	74	110	132
Icw (kA)		25	35	50	60
Spacing between phases (mm)		70			
BAR CROSS-SECTION H x s	30x5	270	190	130	105
	40x5	310	220	150	125
	50x5	350	250	165	129
	60x5	380	275	180	129
	80x5	390	310	210	129

Ω TOP JUNIOR 2 / 5 >> 2 BAR PER PHASE

Ipk (kA)		53	74	110	132
Icw (kA)		25	35	50	60
Spacing between phases (mm)		70			
BAR CROSS-SECTION H x s	30x5	380	270	180	150
	40x5	440	310	210	165
	50x5	490	350	235	165
	60x5	540	385	240	165
	80x5	620	445	240	165

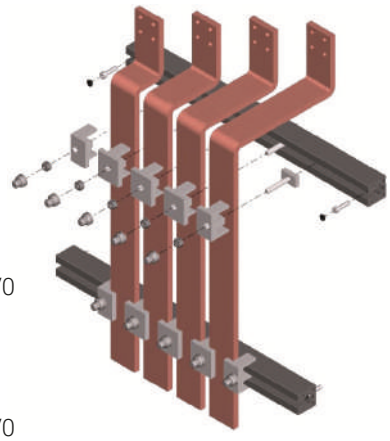
PRODUCTS CONFORMING TO REGULATIONS

Ω FLAT - Bar support



The Ω FLAT bar support is a **UNIVERSAL, QUICK and CONVENIENT** solution for supporting bars, copper or aluminium, in a flat configuration. The Ω FLAT bar support can also be used as a support system for flexible insulated bars COFLEX and J-LINK.

It is mainly made of two elements:
1) supporting and fastening profile
2) set of blocks and screws to tighten the bars



TECHNICAL CHARACTERISTICS

Universal

- Rated voltage: 1000 V AC / 1500 V DC
- Rigid bar thickness 4 to 10 mm
- Flexible bar (COFLEX) up to 12 laminates of 1 mm
- Flexible shunts (J-LINK) up to 240mm^2
- High resistance to short-circuit (see tables page 59)
- Air distance between two phases:
  - 20 mm (fixed) with "T" blocks
  - 40 mm (minimum) with "L" blocks ", incrementable by spacing the blocks
- Max. working temperature: +140 °C

Insulating blocks:

In 6.6 polyamide reinforced with 30% fiberglass
Color: black - Self-extinguishing: UL 94-V0
Halogen free

Spacers:

PA 6,6
Color: black
Self-extinguishing: UL 94-V0
Halogen free

Support Profile:

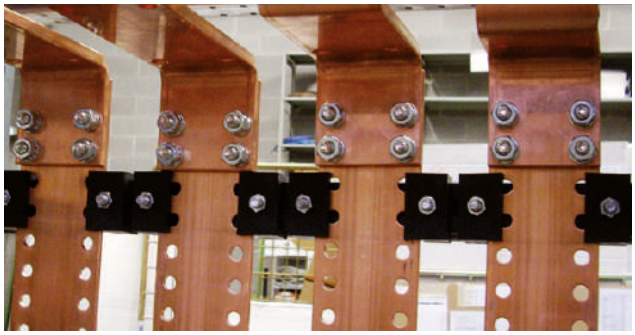
Made in extruded PVC
Self-extinguishing: UL 94-V0
Color: black

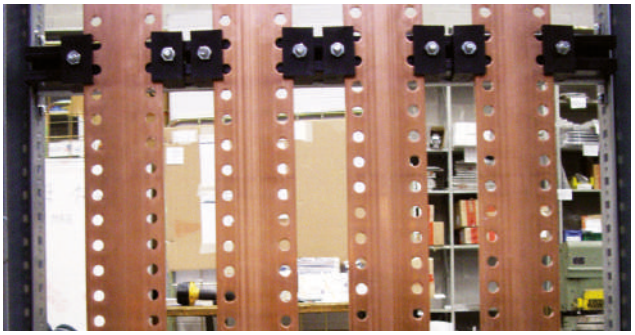
Certifications:

Compliant with standard IEC 61439-2
CERTIFICATE ACAE-LOVAG

LOVAG LOW VOLTAGE AGREEMENT GROUP

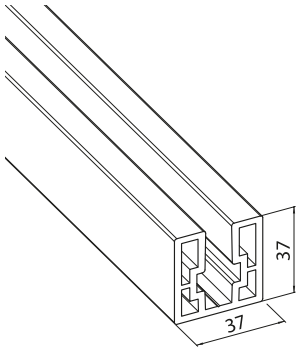
A C A E





PRODUCTS CONFORMING TO REGULATIONS





TECHNICAL CHARACTERISTICS

Material: extruded PVC
Color: black
Self-extinguishing: UL 94-V0
Lenght: 2 m

One single code for all configurations. Quick fitting to the panel board structure by means of hex socket head cap screws M6x25, to be used after punching the bottom guiding profile.

SUPPORT PROFILE

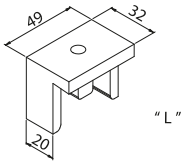
Code	Reference		Weight (kg)
FLT1000	FLT PR 2000	2	1.90

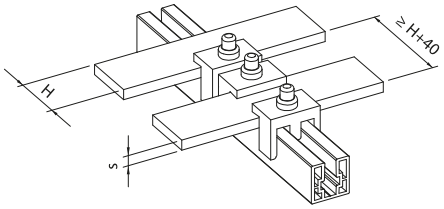


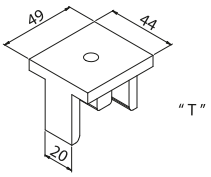
FLT1020

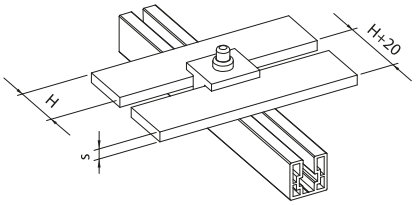
TECHNICAL CHARACTERISTICS

Material: Polyamide 6.6 reinforced with 30% fiberglass
Color: black
Self-extinguishing: UL 94-V0
Halogen free
Maximum working temperature: +140 °C









INSULATING BLOCKS AND SCREWS

Code	Reference		Phas-es	No. blocks "L"	No. blocks "T"	s min-max (mm)	H* min-max (mm)	Spacing between the phases (mm)
FLT1015	FLT LT-T	1	T	2	2	4-10	30-100	H + 20
FLT1020	FLT LT-TN	1	T+N	2	3			
FLT1025	FLT LL-T	1	T	6	-			≥ H + 40
FLT1030	FLT LL-TN	1	T+N	8	-			

** H = bar width*

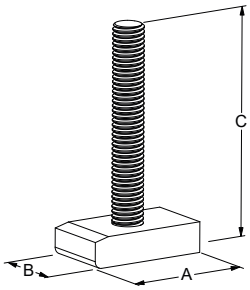
The set consists of insulating blocks, hammer head screws M8x45, hexagonal nuts M8 and insulating nut caps. complete with hex socket head cap screws M6x25 to fasten profile FLT1000 and plastic caps to insulate the head screws M6x25.

Example:
to make a bar support configuration
3-pole + Neutral (Phases=T+N) at **MINIMUN** distance between phases (=H+20 mm)
Select: PVC profile Length. 2 meters **FLT1000**
Insulating Blocks and Screws **FLT1020**

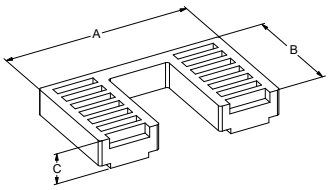
PRODUCTS CONFORMING TO REGULATIONS

Ω FLAT - Bar support


FLT1040




FLT1050



TECHNICAL CHARACTERISTICS

Depending on the total thickness of the conductor (including any insulation, such as COFLEX – J-LINK), it may be necessary to add the accessory kits below in order to ensure optimal bonding.
See accessories selection table.

ACCESSORIES KIT

Code	Reference		A (mm)	B (mm)	C (mm)	Description
FLT1040	FLT-KIT-TB	1	32	18	60	Hammer head screw Kit M8x52, 25 pcs
FLT1050	FLT-KIT-SP	1	36	21	6	Spacers Kit, 50 pcs

Accessories selection table

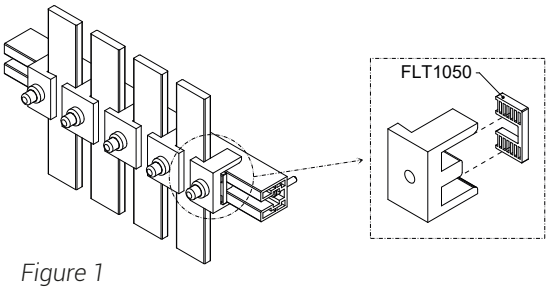


Figure 1

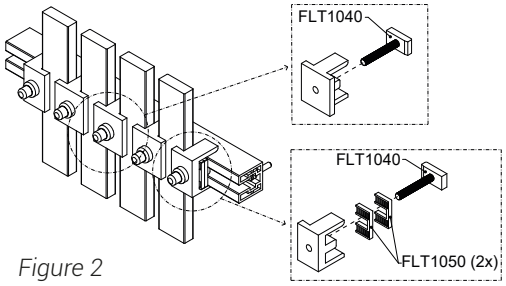


Figure 2

Conductor to be supported		Accessory	Tightening torque
RIGID BAR	Thickness up to 5mm	Not required	10 Nm
	Thickness from 5 mm to 10 mm	FLT1050 *(see figure 1)* (1 spacer for each "L" block)	15 Nm
COFLEX	Up to 6 laminates of 0,5 mm Up to 4 laminates of 0,8 mm Up to 4 laminates of 1 mm	Not required	10 Nm
	10 laminates of 0,5 mm 6 to 10 laminates of 0,8 mm 5 to 8 laminates of 1 mm	FLT1050 *(see figure 1)* (1 spacer for each "L" block)	12 Nm
	10 to 12 laminates of 1 mm	FLT1040 + FLT1050 *(see figure 2)* (1 long hammer head screw for each "L" and "T" block and 2 spacers for each "L" block)	15 Nm
J-LINK	25 mm^2 - 35 mm^2	Not required	10 Nm
	50 mm^2 - 85 mm^2	FLT1050 *(see figure 1)* (1 spacer for each "L" block)	15 Nm
	120 mm^2		18 Nm
	240 mm^2	FLT1040 + FLT1050 *(see figure 2)* (1 long hammer head screw for each "L" and "T" block and 2 spacers for each "L" block)	20 Nm

NOTE: Check the number of blocks on page 57

PRODUCTS CONFORMING TO REGULATIONS

Distance between supports depending on Icc (short-circuit current)

Ipk = *Short-circuit current peak value expressed in kA*
Icw = *Effective value of short-circuit current, duration equal to 1 second, expressed in kA*

CONFIGURATIONS FOR RIGID BARS USING FLT1015 - FLT1020

Ipk (kA)		53						74						84					
Icw (kA)		25						35						40					
Spacing between the phases (mm)		50	60	70	80	100	120	50	60	70	80	100	120	50	60	70	80	100	120
BAR WIDTH H (mm)	30	**240**	-	-	-	-	-	**120**	-	-	-	-	-	**95**	-	-	-	-	-
	40	-	**290**	-	-	-	-	-	**150**	-	-	-	-	-	**115**	-	-	-	-
	50	-	-	**335**	-	-	-	-	-	**170**	-	-	-	-	-	**135**	-	-	-
	60	-	-	-	**385**	-	-	-	-	-	**195**	-	-	-	-	-	**150**	-	-
	80	-	-	-	-	**480**	-	-	-	-	-	**245**	-	-	-	-	-	**190**	-
	100	-	-	-	-	-	**575**	-	-	-	-	-	**295**	-	-	-	-	-	**230**

CONFIGURATIONS FOR RIGID BARS USING FLT1025 - FLT1030

Ipk (kA)		53							74							84						
Icw (kA)		25							35							40						
Spacing between the phases (mm)		70	80	90	100	120	140	160	70	80	90	100	120	140	160	70	80	90	100	120	140	160
BAR WIDTH H (mm)	30	**335**	385	430	480	575	675	770	**170**	195	220	245	295	345	390	**135**	150	170	190	230	265	305
	40	-	**385**	430	480	575	675	770	-	**195**	220	245	295	345	390	-	**150**	170	190	230	265	305
	50	-	-	**430**	480	575	675	770	-	-	**220**	245	295	345	390	-	-	**170**	190	230	265	305
	60	-	-	-	**480**	575	675	770	-	-	-	**245**	295	345	390	-	-	-	**190**	230	265	305
	80	-	-	-	-	**575**	675	770	-	-	-	-	**295**	345	390	-	-	-	-	**230**	265	305
	100	-	-	-	-	-	**675**	770	-	-	-	-	-	**345**	390	-	-	-	-	-	**265**	305

NOTE:

- = not possible configuration

Values marked in bold refer to the MAXIMUM spacing between supports

For configurations other than the indicated ones: please contact our technical office

PRODUCTS CONFORMING TO REGULATIONS

Distance between supports depending on Icc (short-circuit current)

Ipk = *Short-circuit current peak value expressed in kA*
Icw = *Effective value of short-circuit current, duration equal to 1 second, expressed in kA*

CONFIGURATIONS FOR COFLEX USING FLT1015 - FLT1020 AND ACCESSORIES

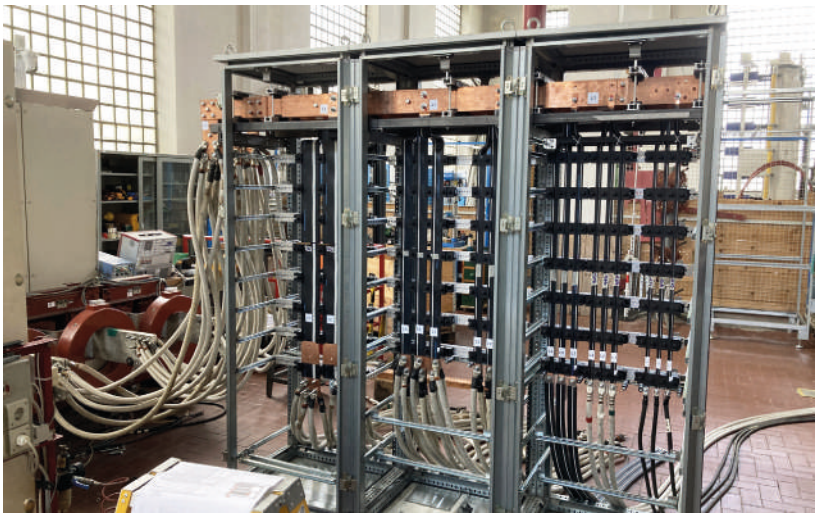
Icw (kA) →	25							40							50				
Spacing between the phases (mm) → / COFLEX and COFLEX PLUS References	48	56	64	74	87	104	124	48	56	64	74	87	104	124	64	74	87	104	124
CFX/CFP 10X24X1	**487**	-	-	-	-	-	-	**164**	-	-	-	-	-	-	-	-	-	-	-
CFX/CFP 8X32X1	-	**568**	-	-	-	-	-	-	**198**	-	-	-	-	-	-	-	-	-	-
CFX/CFP 8X40X1	-	-	**613**	-	-	-	-	-	-	**253**	-	-	-	-	**160**	-	-	-	-
CFX/CFP 6X50X1	-	-	-	**634**	-	-	-	-	-	-	**287**	-	-	-	-	**158**	-	-	-
CFX/CFP 5X63X1	-	-	-	-	**628**	-	-	-	-	-	-	**322**	-	-	-	-	**157**	-	-
CFX/CFP 4X80X1	-	-	-	-	-	**624**	-	-	-	-	-	-	**388**	-	-	-	-	**156**	-
CFX/CFP 4X100X1	-	-	-	-	-	-	**620**	-	-	-	-	-	-	**491**	-	-	-	-	**310**

CONFIGURATIONS FOR COFLEX USING FLT1025 - FLT1030 AND ACCESSORIES

Icw (kA) →	25								40								50					
Spacing between the phases (mm) → / COFLEX and COFLEX PLUS References	68	76	84	94	107	124	144	164	68	76	84	94	107	124	144	164	84	94	107	124	144	164
CFX/CFP 10X24X1	**690**	772	853	900	900	900	900	900	**233**	260	288	322	367	425	494	562	-	-	-	-	-	-
CFX/CFP 8X32X1	-	**771**	852	900	900	900	900	900	-	**268**	297	332	378	438	509	580	-	-	-	-	-	-
CFX/CFP 8X40X1	-	-	**805**	900	900	900	900	900	-	-	**333**	372	424	491	571	650	**210**	235	267	310	360	410
CFX/CFP 6X50X1	-	-	-	**805**	900	900	900	900	-	-	-	**365**	415	481	559	637	-	**201**	229	265	308	351
CFX/CFP 5X63X1	-	-	-	-	**773**	896	900	900	-	-	-	-	**397**	460	534	608	-	-	**193**	224	260	296
CFX/CFP 4X80X1	-	-	-	-	-	**744**	864	900	-	-	-	-	-	**463**	538	613	-	-	-	**186**	216	246
CFX/CFP 4X100X1	-	-	-	-	-	-	**720**	**820**	-	-	-	-	-	-	**571**	**650**	-	-	-	-	**360**	**410**

REFERENCE EXAMPLE

CFX 10X24X1
Laminate number: **n** = 10
Laminate width: **L** = 24 mm
Laminate thickness: **s** = 1 mm

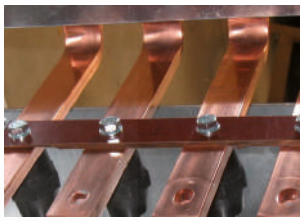


NOTE:
- = not possible configuration
Values marked in bold refer to the MAXIMUM spacing between supports.
For other phase spacing values, please refer to ΩWARE.

To have the complete tables of the entire COFLEX and COFLEX PLUS range available, scan the QR-Code.

PRODUCTS CONFORMING TO REGULATIONS









"Standoff" and "column" insulators, used as insulating supports for active lessees, provide excellent electrical insulation capacity. They can be used as support of electrical equipment offering high mechanical strength values, as well as a spacer and/or stiffening element in a system consisting of lessee bars (copper or aluminum). Different heights, different widths, and different sizes of threaded inserts allow you to select the most appropriate product for the specific installation.

The TEKNOMEGA range offers two product types, both with high electrical insulation and mechanical resistance characteristics, obtained using different production processes and materials.

- Ω COMPRHEX: RED INSULATORS and SPACING COLUMNS

made of polyester reinforced with fiberglass, molded by compression.

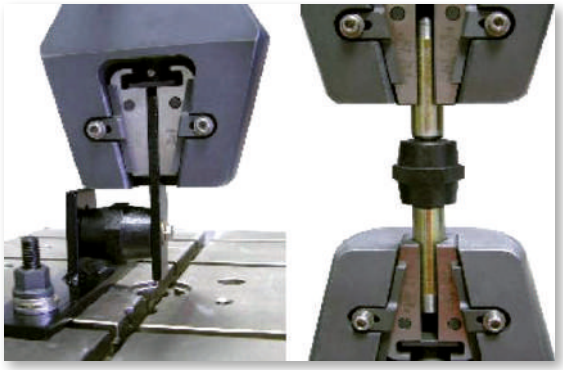
- Ω ISO: BLACK INSULATORS and SPACING COLUMNS

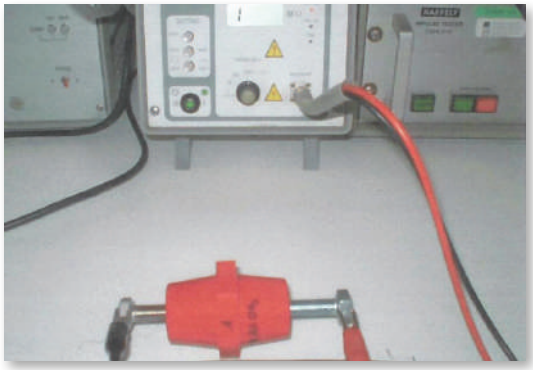
made of polyamide reinforced with fiberglass, molded by injection.

BOTH ranges of TEKNOMEGA INSULATOR have passed severe TESTS to check their mechanical and electrical resistance.

The values obtained during the tests are indicated in the relevant technical tables.

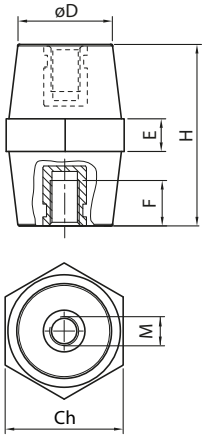
The tests were carried out in compliance with standards EN 60664-1 and EN 61439-1.





Ω COMPRHEX - Insulators in polyester





TECHNICAL CHARACTERISTICS

Insulation:
Material: Thermosetting Polyester Reinforced with 20% fiberglass
Color: Red RAL 3031
Self-extinguishing: UL 94-V0

Threaded inserts:
Galvanized steel

Finished product:
Rated voltage: 1000 V AC / 1500 V DC
Working temperature: -40 °C ÷ +130 °C

R.T. = Tensile strength **R.C.** = Compressive strength **R.F.** = Flexural strength

Code	Reference		Weight (kg)	H (mm)	Ch (mm)	Type	øD (mm)	E (mm)	M	F (mm)	(Nm)*	R.T. (kN)	R.C. (kN)	R.F. (kN)
CPH2000	CPH 16M4	50	0,007	16	15	⬣	12	4	M4	5	3	1,5	15	1
CPH2005	CPH 20M4	25	0,014	20	19	⬣	16	5	M4	6	3	2	20	1,5
CPH2007	CPH 20M5	25	0,014						M5	6	6	2	20	1,5
CPH2010	CPH 20M6	25	0,012						M6	6	8	2,4	20	2,4
CPH2015	CPH 25M5	20	0,019	25	22	⬣	18	6	M5	7	6	2,4	29	2,2
CPH2020	CPH 25M6	20	0,022						M6	7	10	3,4	29	2,2
CPH2025	CPH 30M6	10	0,064	30	30	⬣	25	7	M6	10	10	5,8	59	4,6
CPH2030	CPH 30M8	10	0,062						M8	10	25	5,8	59	3,9
CPH2035	CPH 35M6	10	0,083	35	32	⬣	28	10	M6	12	10	7,1	90	4
CPH2040	CPH 35M8	10	0,081						M8	12	25	7,1	90	5,1
CPH2045	CPH 35M10	10	0,077						M10	12	50	7,1	90	4,8
CPH2046	CPH 35M8W	10	0,109		41	⬣	35	10	M8	12	25	7,9	130	6,7
CPH2048	CPH 35M10W	10	0,108						M10	12	50	7,9	130	6,7
CPH2050	CPH 40M6	10	0,126	40	41	⬣	34	12	M6	12	10	9	120	5
CPH2055	CPH 40M8	10	0,127						M8	15	25	9	120	5
CPH2060	CPH 40M10	10	0,122						M10	15	50	8	120	5
CPH2065	CPH 45M6	10	0,173	45	46	⬣	39	13	M6	12	10	9	140	5,4
CPH2070	CPH 45M8	10	0,166						M8	15	25	9	140	6,5
CPH2075	CPH 45M10	10	0,165						M10	15	50	11	140	6,5
CPH2080	CPH 50M6	10	0,178	50	46	⬣	37	10	M6	12	10	11	120	4,8
CPH2085	CPH 50M8	10	0,172						M8	15	25	11	120	5,5
CPH2090	CPH 50 M10	10	0,168						M10	15	50	11	120	5,5
CPH2093	CPH 50M12W	10	0,240		50	⬣	45	15	M12	20	85	12,5	160	7,2
CPH2095	CPH 60M8	4	0,330	60	60	⬣	49	15	M8	15	25	14	180	7,5
CPH2100	CPH 60M10	4	0,330						M10	20	50	14	180	7,5
CPH2102	CPH 65M10	10	0,170	65	41	⬣	32	12	M10	20	50	15	120	10
CPH2101	CPH 70M10	4	0,409	70	60	⬣	52	14	M10	20	50	15	170	8
CPH2103	CPH 70M12	4	0,400						M12	20	85	18	170	8
CPH2104	CPH 75M10	10	0,267	75	50	⬣	38	16	M10	20	50	18	120	13
CPH2105	CPH 75M12	10	0,299						M12	20	85	14	120	6,5
CPH2112	CPH 80M12	3	0,485	80	65	⬣	52	16	M12	20	85	18	> 200	10
CPH2115	CPH 100M12	2	0,535	100	65	⬣	52	18	M12	25	85	20	> 200	9
CPH2117	CPH 100M16	2	0,520						M16	25	200	20	> 200	9

Threaded studs for insulators cf. page 66

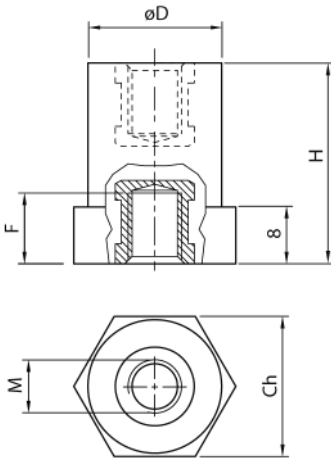
Type: ⬣ = 6 sides

**Recommended torque values for screws of strength class 8.8*

PRODUCTS CONFORMING TO REGULATIONS

Ω COMPRHEX - Spacing columns in polyester





TECHNICAL CHARACTERISTICS

Insulation:
Material: Thermosetting Polyester
Reinforced with 20% fiberglass
Color: Red RAL 3031
Self-extinguishing: UL 94-V0

Threaded inserts:
Galvanized steel

Finished product:
Rated voltage: 1000 V AC / 1500 V DC
Working temperature: -40 °C ÷ +130 °C

R.T. = Tensile strength **R.C.** = Compressive strength **R.F.** = Flexural strength

Code	Reference		Weight (kg)	H (mm)	Ch (mm)	Type	øD (mm)	M	F (mm)	(Nm)*	R.T. (kN)	R.C. (kN)	R.F. (kN)
CPH2510	CLH 16M5-20	25	0,016	16	21	⬢	20	M5	4	6	2	20	1,2
CPH2515	CLH 16M6-20	25	0,016					M6	4	6	2	20	1,2
CPH2520	CLH 20M5-20	25	0,019	20		⬢		M5	6	6	2,8	22	1,7
CPH2525	CLH 20M6-20	25	0,018					M6	6	8	2,8	22	1,7
CPH2530	CLH 25M5-20	20	0,022	25		⬢		M5	7	6	3	22	2
CPH2535	CLH 25M6-20	20	0,022					M6	7	8	3	22	2
CPH2540	CLH 25M8-20	20	0,021					M8	8	25	3	22	2
CPH2545	CLH 30M6-20	20	0,026	30		⬢		M6	8	10	3,4	25	2,2
CPH2550	CLH 30M8-20	20	0,025					M8	10	25	3,4	25	2,2
CPH2555	CLH 35M6-20	20	0,031	35		⬢		M6	8	10	3,4	25	1,5
CPH2560	CLH 35M8-20	20	0,030					M8	10	25	3,4	25	1,5
CPH2565	CLH 40M6-20	10	0,034	40		⬢		M6	10	10	3,7	23	1,3
CPH2570	CLH 40M8-20	10	0,033					M8	10	25	3,7	23	1,3
CPH2575	CLH 45M6-20	10	0,037	45		⬢		M6	10	10	3,7	23	1,2
CPH2580	CLH 45M8-20	10	0,036					M8	10	25	3,7	23	1,2
CPH2585	CLH 50M6-20	10	0,040	50		⬢		M6	10	10	3,7	23	1
CPH2590	CLH 50M8-20	10	0,039					M8	10	25	3,7	23	1
CPH2610	CLH 30M8-30	10	0,050	30	30	⬢	30	M8	10	25	6	48	4,5
CPH2615	CLH 35M8-30	10	0,058	35		⬢		M8	10	25	6	50	4
CPH2620	CLH 40M8-30	10	0,069	40		⬢		M8	10	25	6,5	52	3,5
CPH2625	CLH 45M8-30	10	0,101	45		⬢		M8	16	25	7	55	2,8
CPH2630	CLH 50M6-30	10	0,110	50		⬢		M6	16	10	7	55	2
CPH2635	CLH 50M8-30	10	0,108					M8	16	25	8	55	2,2
CPH2640	CLH 55M6-30	10	0,117	55		⬢		M6	16	10	8	50	1,8
CPH2645	CLH 55M8-30	10	0,115					M8	16	25	8	50	2
CPH2650	CLH 65M6-30	10	0,131	65		⬢		M6	16	10	8	47	1,7
CPH2655	CLH 65M8-30	10	0,120					M8	16	25	7	47	1,7
CPH2660	CLH 70M6-30	10	0,138	70		⬢		M6	16	10	7	45	1,5
CPH2665	CLH 70M8-30	10	0,136					M8	16	25	7	45	1,5

Threaded studs for insulators cf. page 66

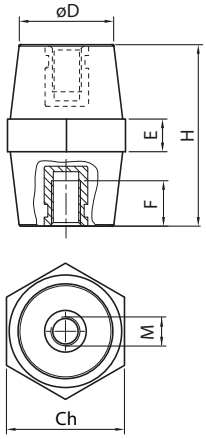
Type: ⬢ = 6 sides

**Recommended torque values for screws of strength class 8.8*

PRODUCTS CONFORMING TO REGULATIONS REACH RoHS COMPLIANT

Ω ISO - Insulators in polyamide





file n° 300607

TECHNICAL CHARACTERISTICS

Insulation:
Material: Polyamide 6.6 reinforced with 35% fiberglass
Color: black
Self-extinguishing: UL 94-V0
Halogen free
Threaded inserts:
Galvanized steel
Finished product:
Rated voltage: 1000 V AC/1500 V DC
Working temperature: -40 °C ÷ +125 °C

R.T. = Tensile strength **R.C.** = Compressive strength **R.F.** = Flexural strength

Code	Reference		Weight (kg)	H (mm)	Ch (mm)	Type	øD (mm)	E (mm)	M	F (mm)	(Nm)*	R.T. (kN)	R.C. (kN)	R.F. (kN)
ISO2000	ISO 15M4 UL	50	0,005	15	14	●	12	3	M4	4	3	1,5	15	1
ISO2005	ISO 20M4 UL	50	0,011	20	17	⬢	15	4	M4	4	3	2	20	1
ISO2007	ISO 20M5 UL	50	0,011						M5	5	6	2	20	1,5
ISO2010	ISO 20M6 UL	50	0,011						M6	5	8	2,5	20	2
ISO2015	ISO 25M5 UL	50	0,013	25	20	⬢	15	5	M5	5	6	4	25	2
ISO2020	ISO 25M6 UL	50	0,012	25	20		17	5	M6	5	10	4	25	2
ISO2025	ISO 30M6 UL	50	0,038	30	30	⬢	26	6	M6	9	10	8	75	5
ISO2030	ISO 30M8 UL	50	0,035						M8	9	25	8	75	5
ISO2035	ISO 35M6 UL	50	0,049	35	32	⬢	28	7	M6	11	10	9	65	5,7
ISO2040	ISO 35M8 UL	50	0,050						M8	9	25	9	65	5,7
ISO2045	ISO 35M10 UL	50	0,058						M10	11	50	9	65	5,7
ISO2046	ISO 35M8W UL	25	0,109		40	⬢	35	10	M8	11	25	11	110	6,5
ISO2048	ISO 35M10W UL	25	0,108						M10	11	50	11	110	6,5
ISO2050	ISO 40M6 UL	25	0,056	40	32	⬢	28	8	M6	11	10	13	75	5
ISO2055	ISO 40M8 UL	25	0,065						M8	11	25	13	75	5
ISO2060	ISO 40M10 UL	25	0,063						M10	11	50	13	75	5
ISO2061	ISO 40M8W UL	25	0,108		46	⬢	40	12	M8	11	25	15	120	6
ISO2063	ISO 40M10W UL	25	0,108						M10	11	50	15	120	6
ISO2065	ISO 45M6 UL	25	0,108	45	41	●	33	10	M6	15	10	16	90	6,5
ISO2070	ISO 45M8 UL	25	0,097						M8	15	25	16	90	6,5
ISO2075	ISO 45M10 UL	25	0,097						M10	15	50	18	90	7
ISO2076	ISO 45M8W UL	25	0,132		50	●	41	10	M8	15	25	20	140	8
ISO2078	ISO 45M10W UL	25	0,132						M10	15	50	20	140	8
ISO2080	ISO 50M6 UL	25	0,094	50	36	⬢	29	11	M6	15	10	15	100	4
ISO2085	ISO 50M8 UL	25	0,096						M8	15	25	16	100	4,5
ISO2090	ISO 50M10 UL	25	0,093						M10	15	50	18	100	6,5
ISO2091	ISO 50M10W UL	25	0,145		50	⬢	40	12	M10	15	50	20	130	7,5
ISO2093	ISO 50M12W UL	25	0,145						M12	15	85	20	130	8,5
ISO2094	ISO 55M10 UL	10	0,185	55	55	⬢	45	12	M10	15	50	22	150	10
ISO2095	ISO 60M8 UL	10	0,194	60	54	●	42	12	M8	15	25	22	150	9
ISO2100	ISO 60M10 UL	10	0,190						M10	15	50	22	150	9
ISO2101	ISO 70M10 UL	10	0,335	70	65	⬢	50	13	M10	15	50	22	180	9
ISO2103	ISO 70M12 UL	10	0,331						M12	25	85	25	180	12
ISO2105	ISO 75M12 UL	10	0,203	75	50	⬢	35	12	M12	25	85	20	120	7,5
ISO2110	ISO 75M16 UL	10	0,246						M16	25	200	20	120	7,5
ISO2112	ISO 80M12 UL	10	0,370	80	65	⬢	50	14	M12	25	85	25	180	12
ISO2115	ISO 100M12 UL	10	0,458	100	65	●	50	21	M12	25	85	30	200	10
ISO2117	ISO 100M16 UL	10	0,430						M16	25	200	30	200	10

Threaded studs for insulators cf. page 66

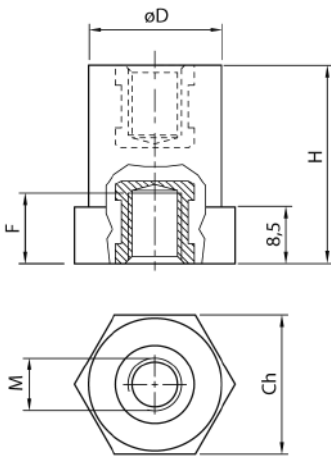
Type: ⬢ = 6 sides ● = 8 sides

**Recommended torque values for screws of strength class 8.8*

PRODUCTS CONFORMING TO REGULATIONS

Ω ISO - Spacing columns in polyamide





file n° 300607

TECHNICAL CHARACTERISTICS

Insulation:
Material: Polyamide 6.6 reinforced with 35% fiberglass
Color: black
Halogen free
Self-extinguishing: UL 94-V0
Threaded inserts:
Galvanized steel
Finished product:
Rated voltage: 1000 V AC/1500 V DC
Working temperature: -40 °C ÷ +125 °C

R.T. = Tensile strength **R.C.** = Compressive strength **R.F.** = Flexural strength

Code	Reference		Weight (kg)	H (mm)	Ch (mm)	Type	øD (mm)	M	F (mm)	(Nm)*	R.T. (kN)	R.C. (kN)	R.F. (kN)
ISO2120	CLN 16M4-20	50	0,014	16	21	⬣	20	M4	4	3	2	42	1
ISO2125	CLN 16M5-20	50	0,014					M5	5	6	3	42	1,5
ISO2130	CLN 16M6-20	50	0,014					M6	5	6	3,5	42	1,5
ISO2135	CLN 20M5-20	50	0,015	20		⬣		M5	5	6	4	45	2
ISO2140	CLN 20M6-20	50	0,015					M6	5	8	4,5	45	2,8
ISO2145	CLN 25M4-20	50	0,016	25		⬣		M4	4	3	3	47	1,5
ISO2150	CLN 25M5-20	50	0,017					M5	5	6	4	47	2
ISO2155	CLN 25M6-20	50	0,018					M6	5	8	5,5	47	3,5
ISO2160	CLN 25M8-20	50	0,018					M8	5	25	5,5	47	3,5
ISO2165	CLN 30M5-20	50	0,027	30		⬣		M5	9	6	7	50	3,7
ISO2170	CLN 30M6-20	50	0,026					M6	9	10	7	50	3,7
ISO2175	CLN 30M8-20	50	0,024					M8	9	25	7	50	3,7
ISO2180	CLN 35M5-20	50	0,030	35		⬣		M5	9	6	7	50	3,5
ISO2185	CLN 35M6-20	50	0,029					M6	9	10	8	50	3,5
ISO2190	CLN 35M8-20	50	0,026					M8	9	25	8	50	3,5
ISO2195	CLN 40M5-20	50	0,030	40		⬣		M5	9	6	8	50	3
ISO2200	CLN 40M6-20	50	0,030					M6	9	10	8	50	3
ISO2205	CLN 40M8-20	50	0,028					M8	9	25	8	50	3
ISO2210	CLN 45M5-20	25	0,033	45		⬣		M5	9	6	8	47	2,6
ISO2215	CLN 45M6-20	25	0,031					M6	9	10	8	47	2,6
ISO2220	CLN 45M8-20	25	0,030					M8	9	25	8	47	2,6
ISO2225	CLN 50M5-20	25	0,032	50		⬣		M5	9	6	8	45	2,2
ISO2230	CLN 50M6-20	25	0,034					M6	9	10	8	45	2,2
ISO2235	CLN 50M8-20	25	0,033					M8	9	25	8	45	2,2
ISO2240	CLN 30M6-30	50	0,039	30	30	⬣	30	M6	11	10	10	70	5
ISO2245	CLN 30M8-30	50	0,037					M8	9	25	12	80	5,5
ISO2250	CLN 35M6-30	50	0,041	35		⬣		M6	11	10	11	75	5
ISO2255	CLN 35M8-30	50	0,039					M8	11	25	14	85	5,5
ISO2256	CLN 40M6-30	25	0,061	40		⬣		M6	11	10	11	75	4,5
ISO2257	CLN 40M8-30	25	0,061					M8	11	25	14	85	4,8
ISO2260	CLN 45M6-30	25	0,082	45		⬣		M6	15	10	12	90	4,2
ISO2265	CLN 45M8-30	25	0,078					M8	15	25	16	90	4,2
ISO2266	CLN 50M6-30	25	0,087	50		⬣		M6	15	10	12	80	3,8
ISO2267	CLN 50M8-30	25	0,083					M8	15	25	16	80	3,8
ISO2270	CLN 55M6-30	25	0,094	55		⬣		M6	15	10	11	75	3,5
ISO2275	CLN 55M8-30	25	0,091					M8	15	25	13	75	3,5
ISO2280	CLN 65M6-30	25	0,104	65		⬣		M6	15	10	9,5	70	3
ISO2285	CLN 65M8-30	25	0,104					M8	15	25	9,5	70	3
ISO2290	CLN 70M6-30	25	0,109	70		⬣		M6	15	10	9	65	2,8
ISO2295	CLN 70M8-30	25	0,098					M8	15	25	9	65	2,8

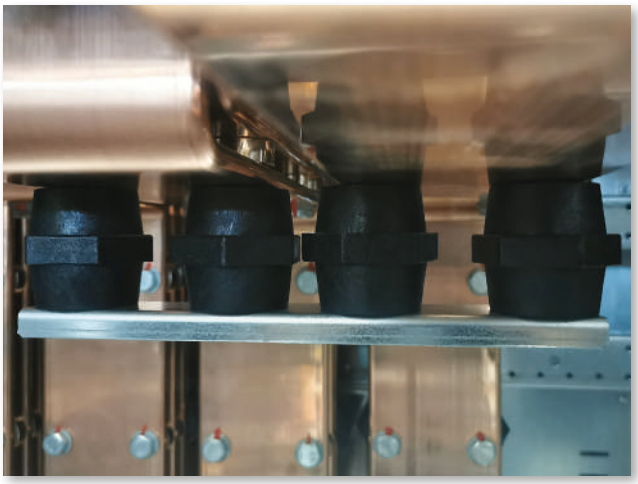
Threaded studs for insulators cf. page 66

Type: ⬣ = 6 sides

**Recommended torque values for screws of strength class 8.8*

PRODUCTS CONFORMING TO REGULATIONS

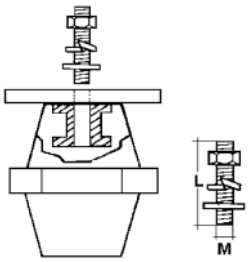






TECHNICAL CHARACTERISTICS

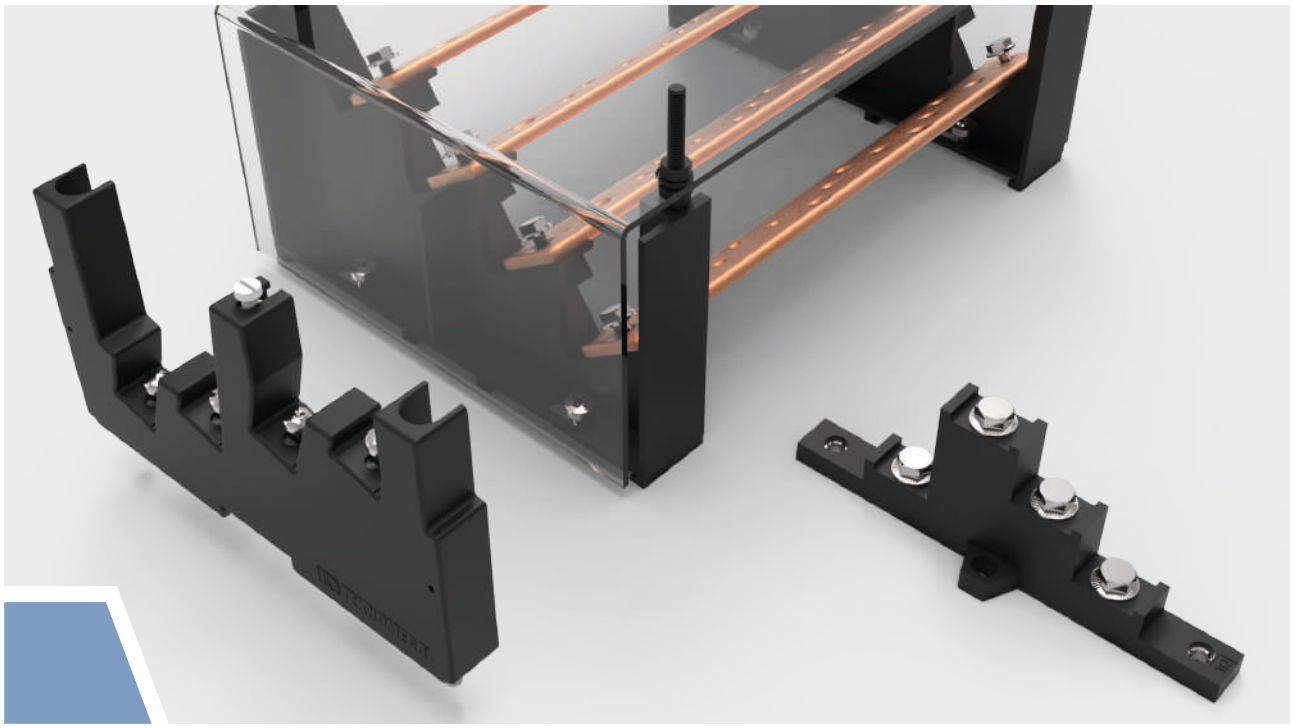
Material: Made of galvanized steel class 8.8
Complete with nut, flat washer
and anti-loosening washer
Threaded studs with hexagonal socket,
to be tightened with Allen wrenches



THREADED PINS FOR CPH AND ISO SERIES INSULATORS

Code	Reference		M	L
ISO3000	ISO PM5x20	25	M5	20
ISO3005	ISO PM6x30	25	M6	30
ISO3010	ISO PM8x30	25	M8	30
ISO3015	ISO PM8x35	25	M8	35
ISO3020	ISO PM10x40	25	M10	40
ISO3025	ISO PM12x50	25	M12	50

PRODUCTS CONFORMING
TO REGULATIONS

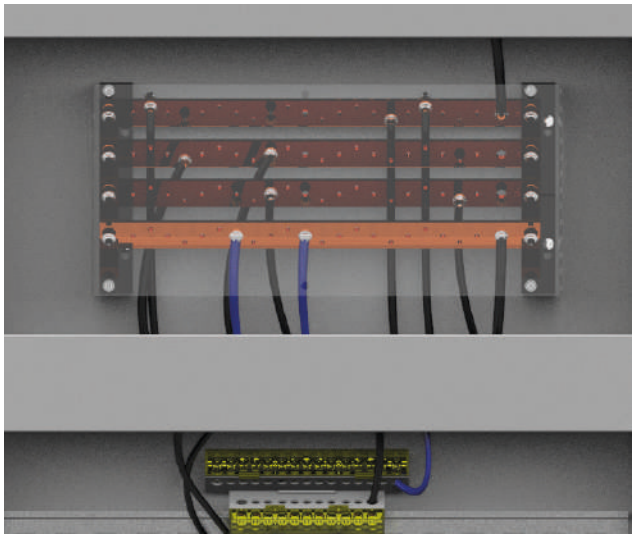


Distribution Supports allow current derivations to be made by separating phases and multiplying connections, inside equipment and electrical panels, with direct fastening on the electrical panel carpentry and on DIN rails

TECHNICAL CHARACTERISTICS

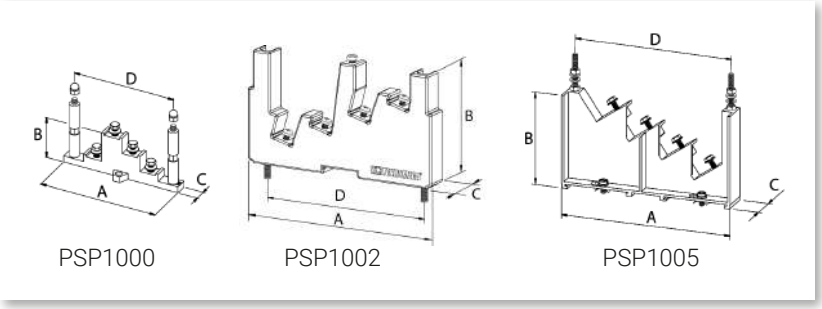
Material: Polyamide 6,6 reinforced with fiberglass
Color: black
Self-extinguishing: UL 94-V0
Working temperature: -40 °C ÷ +130 °C

M6 screws included for busbar fixing for PSP1000 and PSP1005
Kit for the mounting of protection screen included for PSP1000, PSP1002 and PSP1005
Direct mounting on DIN rail for PSP1002





PRODUCTS CONFORMING TO REGULATIONS



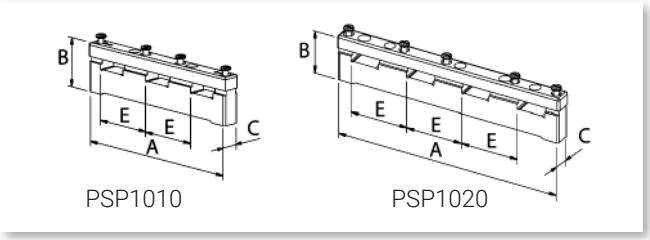
TECHNICAL CHARACTERISTICS

Material: Polyamide 6.6 reinforced with 30% fiberglass
Color: black
Self-extinguishing: UL 94-V0
Working temperature: -40 °C ÷ +130 °C

DISTRIBUTION BLOCKS SUPPORTS

Code	Reference		Type	A (mm)	B (mm)	C (mm)	D (mm)
PSP1000	PSP 250	8	T+N	150	54	15	130
PSP1002	PSP 250 HP	1	T+N	190	104.5	20	162.5
PSP1005	PSP 400	2	T+N	216	117	34	200

Code	Sect. Bar	Ipk (kA)	11.9	13.6	24	30	48.3
		Icw (kA)	7	8	12	15	23
		In (A)	Distance (mm)				
PSP1000	15x5	160	560	450	250	150	-
	20x5	250	640	520	260	150	-
PSP1002	15x5	160	630	550	320	210	-
	20x5	250	730	630	320	210	-
PSP1005	15x5	160	680	550	310	250	100
	20x5	250	780	640	360	260	100
	32x5	400	980	800	410	260	100
	20x10	500	980	980	410	260	100
	30x10	630	980	980	410	260	100



TECHNICAL CHARACTERISTICS

Material: Polyamide 6.6 reinforced with 25% fiberglass
Color: black
Self-extinguishing: UL 94-V0
Working temperature: -40 °C ÷ +130 °C

DISTRIBUTION BLOCKS SUPPORTS

Code	Reference		Type	A (mm)	B (mm)	C (mm)	E (mm)
PSP1010	PSP 630T	1	T	180	55	18	60
PSP1020	PSP 630TN	1	T+N	240	55	18	60

Code	Sect. Bar	Ipk (kA)	30	34	44.1	50.4	54.6	60.9	75.6
		Icw (kA)	15	17	21	24	26	29	36
		In (A)	Distance (mm)						
PSP1010 PSP1020	20x5	250	600	-	400	-	200*	-	-
	20x10	500	-	600	-	400	-	200*	-
	30x5	400	-	-	600	-	-	400	200*
	30x10	630	-	-	600	-	-	400	200

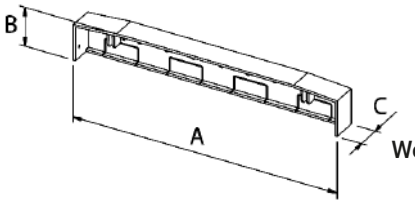
Distance between supports depending on Icc (short-circuit current)

Ipk = *Short-circuit current peak value expressed in kA*
Icw = *Effective value of short-circuit current, duration equal to 1 second, expressed in kA*

**Icw = Effective value of short-circuit current, duration equal to 0.4 seconds, expressed in kA*

PRODUCTS CONFORMING TO REGULATIONS



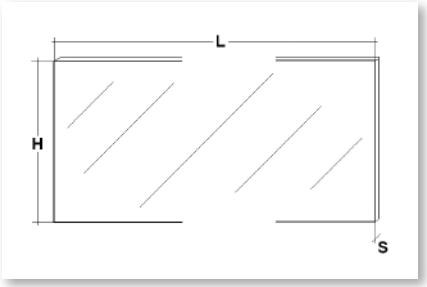


TECHNICAL CHARACTERISTICS

Material: PA 6
Self-extinguishing: UL 94-V0
Halogen free
Working temperature: -40 °C ÷ +120 °C

PROTECTION CAPS

Code	Reference		Type	A (mm)	B (mm)	C (mm)
PSP1015	PSP PRO 630T	1	For support PSP1010	185	36	23
PSP1025	PSP PRO 630TN	1	For support PSP1020	245	36	23



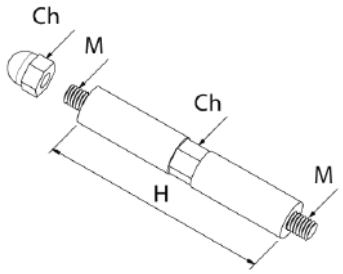
TECHNICAL CHARACTERISTICS

Material: made of PETG (polyethylene terephthalate), transparent
Dielectric strength: 16 kV/mm
Halogen free
Self-extinguishing: UL 94-HB
Minimum bend radius: 1 mm at 90°
Maximum working temperature: +65 °C

COLD BENDABLE PROTECTION SCREEN

Code	Reference		Weight (kg)	H (mm)	L (mm)	S (mm)
SCH1000	SCH 1000x2000x3	1	7.00	1000	2000	3
SCH1005	SCH 1000x215x3	5	0.75	1000	215	3
SCH1010	SCH 1000x150x3	5	0.53	1000	150	3





TECHNICAL CHARACTERISTICS

Material: Polyamide 6.6
with fiberglass, black color
Self-extinguishing: UL 94-V0
The KIT is made of:
No. 4 threaded spacers
male / male M6
No. 4 female threaded caps M6

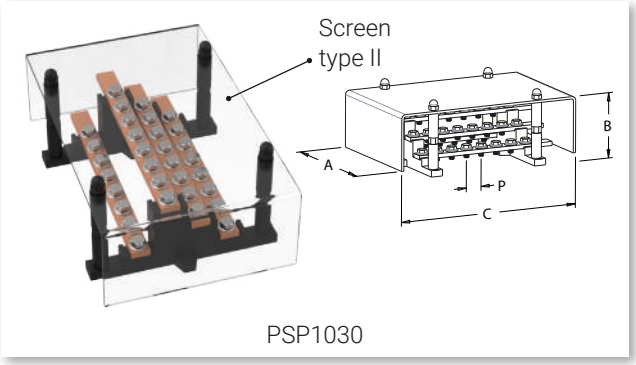
PLASTIC SPACER SUPPORT FOR PROTECTION SCREEN

Code	Reference		Type	H (mm)	M	Ch (mm)
DZP2000	DZP KIT	10	For support PSP1000	70	M6	10

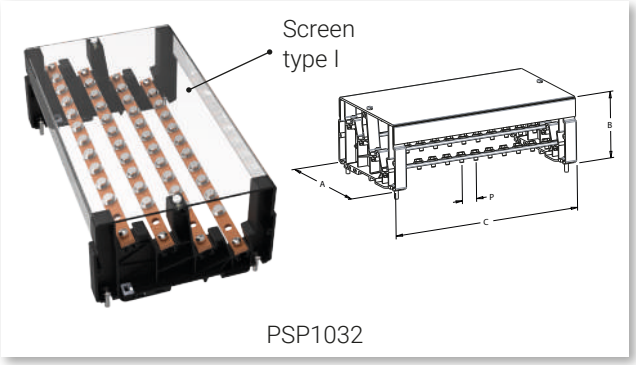
PRODUCTS CONFORMING TO REGULATIONS

Distribution Supports in Kit

Distribution Block supports in KIT form include all that is needed to make the distribution.
The KIT is made of:
- Copper bars (cross-section, length and nr. of holes as per below table)
- Distribution supports
- Support spacers for the protection screen
- Protection screen cut, bent and punched in the suitable dimensions
- Hardware



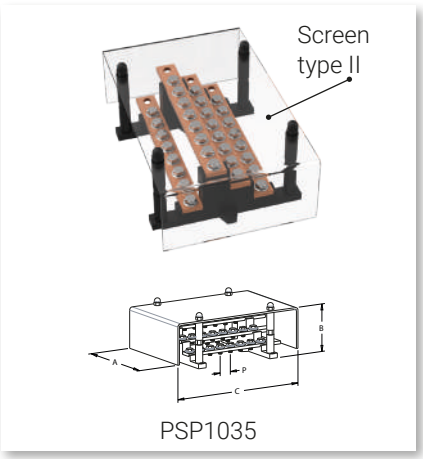
PSP1030



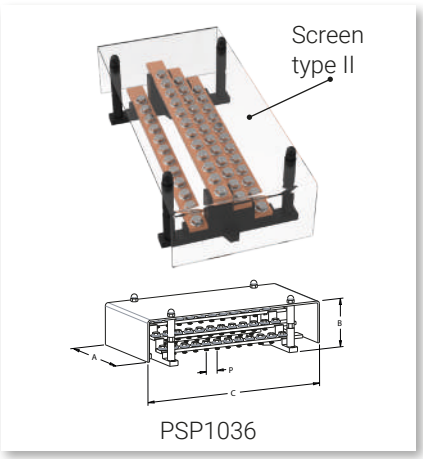
PSP1032

DISTRIBUTION SUPPORTS IN KIT 160 A

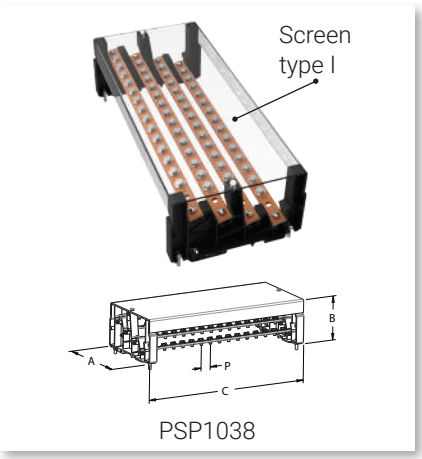
Code	Reference		In (A)	Icw (kA)	Sect. Bar	A	B	C	P	Number of		No. Supports
						(mm)				INPUT	OUTPUT	
PSP1030	PSP 160K-23	1	160	15	15 x 5	150	81	230	20	1 x Ø 8,5	6 x M6	2 x PSP1000
PSP1032	PSP 160K-32	1	160	10	15 x 5	190	108	320	25	1 x Ø 8,5	10 x M6	2 x PSP1002



PSP1035



PSP1036

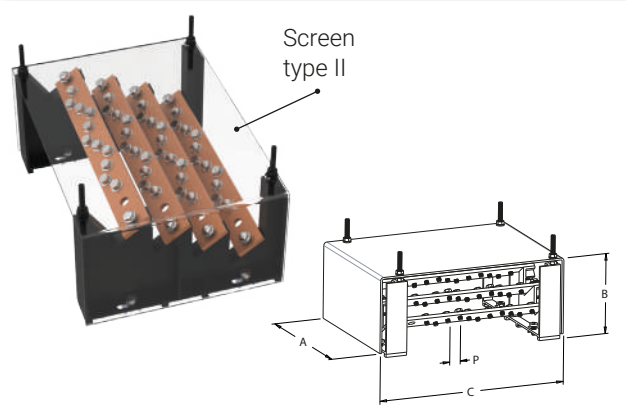


PSP1038

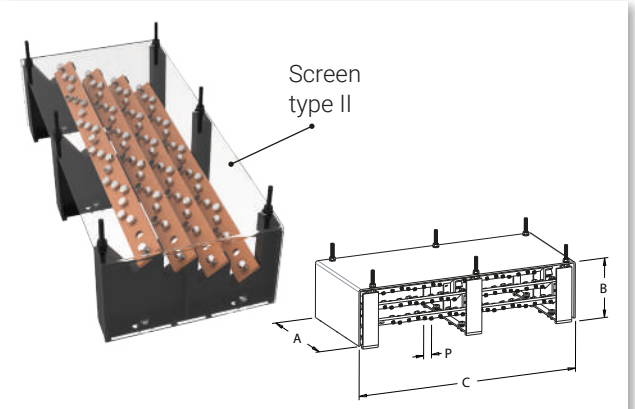
DISTRIBUTION SUPPORTS IN KIT 250 A

Code	Reference		In (A)	Icw (kA)	Sect. Bar	A	B	C	P	Number of		No. Supports
						(mm)				INPUT	OUTPUT	
PSP1035	PSP 250K-23	1	250	15	20 x 5	150	81	230	20	1 x Ø 8,5	6 x M6	2 x PSP1000
PSP1036	PSP 250K-31	1	250	12	20 x 5	150	81	310	20	1 x Ø 8,5	10 x M6	2 x PSP1000
PSP1038	PSP 250K-42	1	250	10	20 x 5	190	108	420	25	1 x Ø 8,5	14 x M6	2 x PSP1002

PRODUCTS CONFORMING TO REGULATIONS



PSP1040

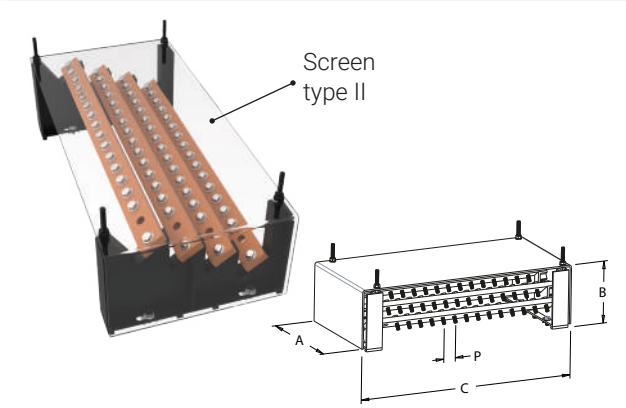


PSP1050

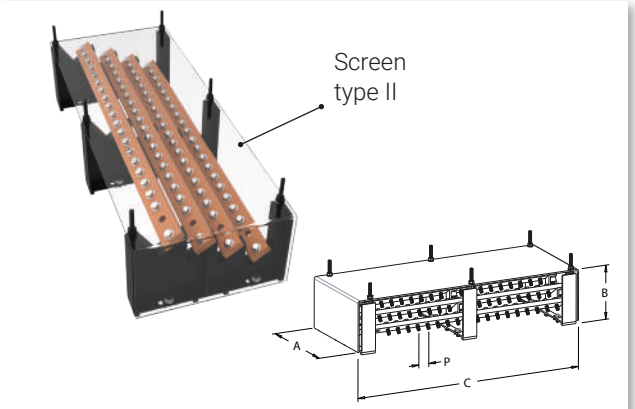
DISTRIBUTION SUPPORTS IN KIT 400 A

Code	Reference		In (A)	Icw (kA)	Sect. Bar	A	B	C	P	Number of		No. Supports
						(mm)				INPUT	OUTPUT	
PSP1040*	PSP 400K-30	1	400	15	32 x 5	216	127	305	17,5-W	1 x Ø 10,5	11 x M6	2 x PSP1005
PSP1050*	PSP 400K-48	1	400	16	32 x 5	216	127	480	17,5-W	1 x Ø 10,5	20 x M6	3 x PSP1005

** Kit includes BRF1041 (see page 37).*



PSP1065



PSP1070

DISTRIBUTION SUPPORTS IN KIT 630 A

Code	Reference		In (A)	Icw (kA)	Sect. Bar	A	B	C	P	Number of		No. Supports
						(mm)				INPUT	OUTPUT	
PSP1065	PSP 630K-45	1	630	12	30 x 10	216	127	455	25	1 x Ø 10,5	14 x M8	2 x PSP1005
PSP1070	PSP 630K-55	1	630	15	30 x 10	216	127	555	25	1 x Ø 10,5	17 x M8	3 x PSP1005

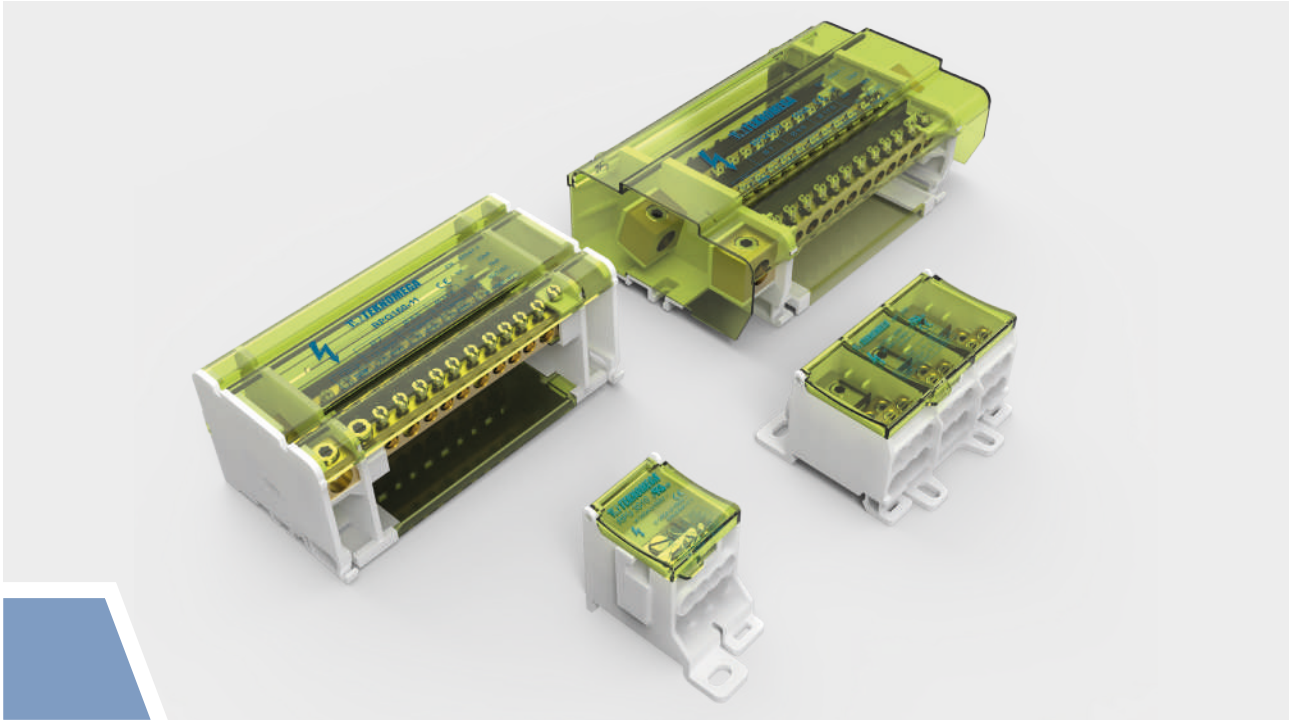
The power inputs of the KIT distribution supports can be positioned both on the right and on the left side.

Screens caption

- Type I: Front screen with top/bottom flaps
- Type II: Front and side screen

PRODUCTS CONFORMING TO REGULATIONS

Ω BLOCK - Distribution blocks



The TEKNOMEGA Ω block is a complete range of distribution blocks, from one to four pole. This allows making distribution units from 40 A up to 500 A.

Two and four pole distribution blocks: from 40 A up to 400 A.

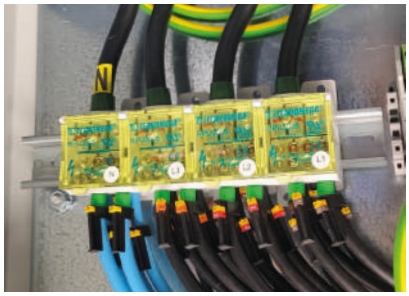
Equipped with a transparent protection screen between phases, at the front and bottom of the distribution block, removable to tighten connections. Recently introduced the **4-pole Modular Up & Down Distribution Block** from **160 A**, these allow the user to simply manage situations where the installer must satisfy articulated mounting needs contained in the dimensions, for example when there are too many wiring inputs and outputs to be placed on one side of the block.

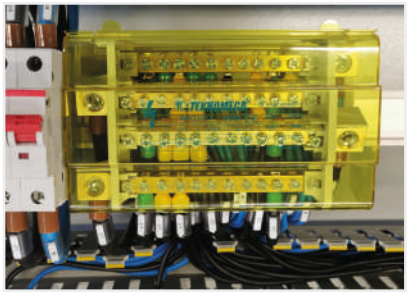
The **new 4-pole Side Input Distribution Block** from **160 A** makes it possible to connect directly to the switch.

Single pole and three pole distribution blocks: from 80 A up to 500 A. Registered as per UL standard. Wiring is made easy by guided accesses. High electrical insulation value. No protection to remove to tighten the connections.

Quick distribution blocks: 80 A, 1 and 2 pole. Quick indirect spring hook-up outputs, efficient and safe.

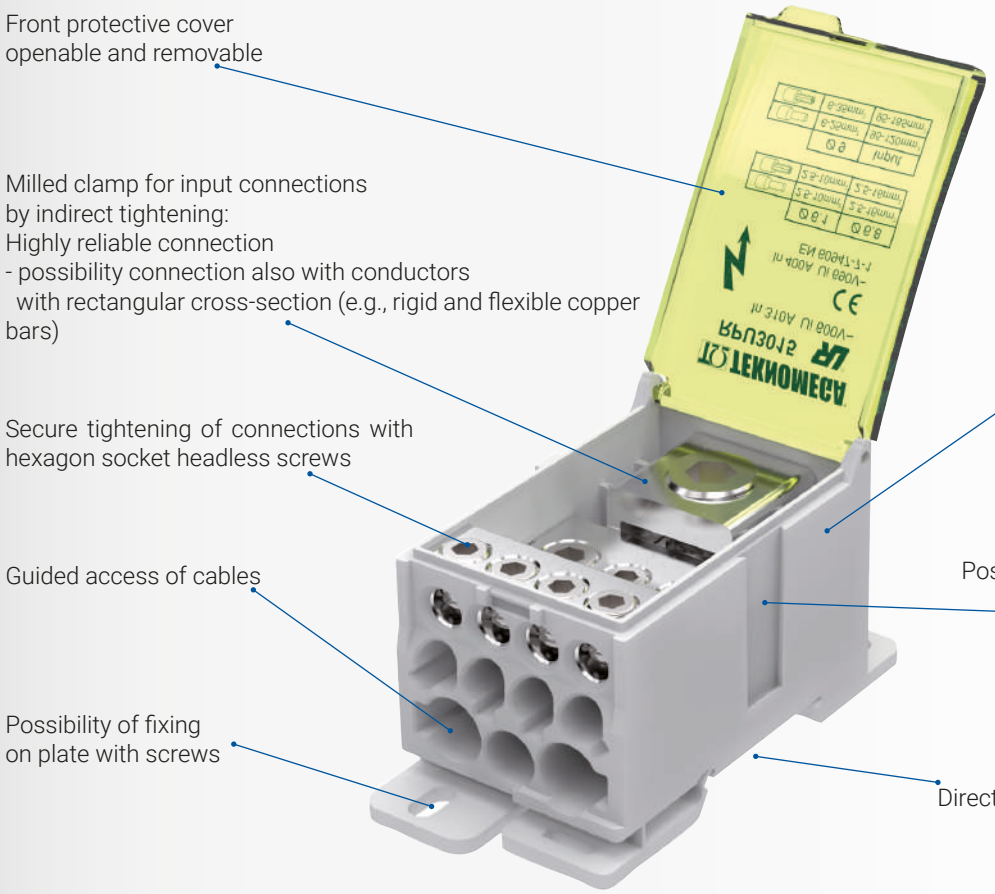
All the Ω BLOCK distribution blocks range can be fit on DIN profile ("Ω" rail) and/or bottom plate using the specific provisions.

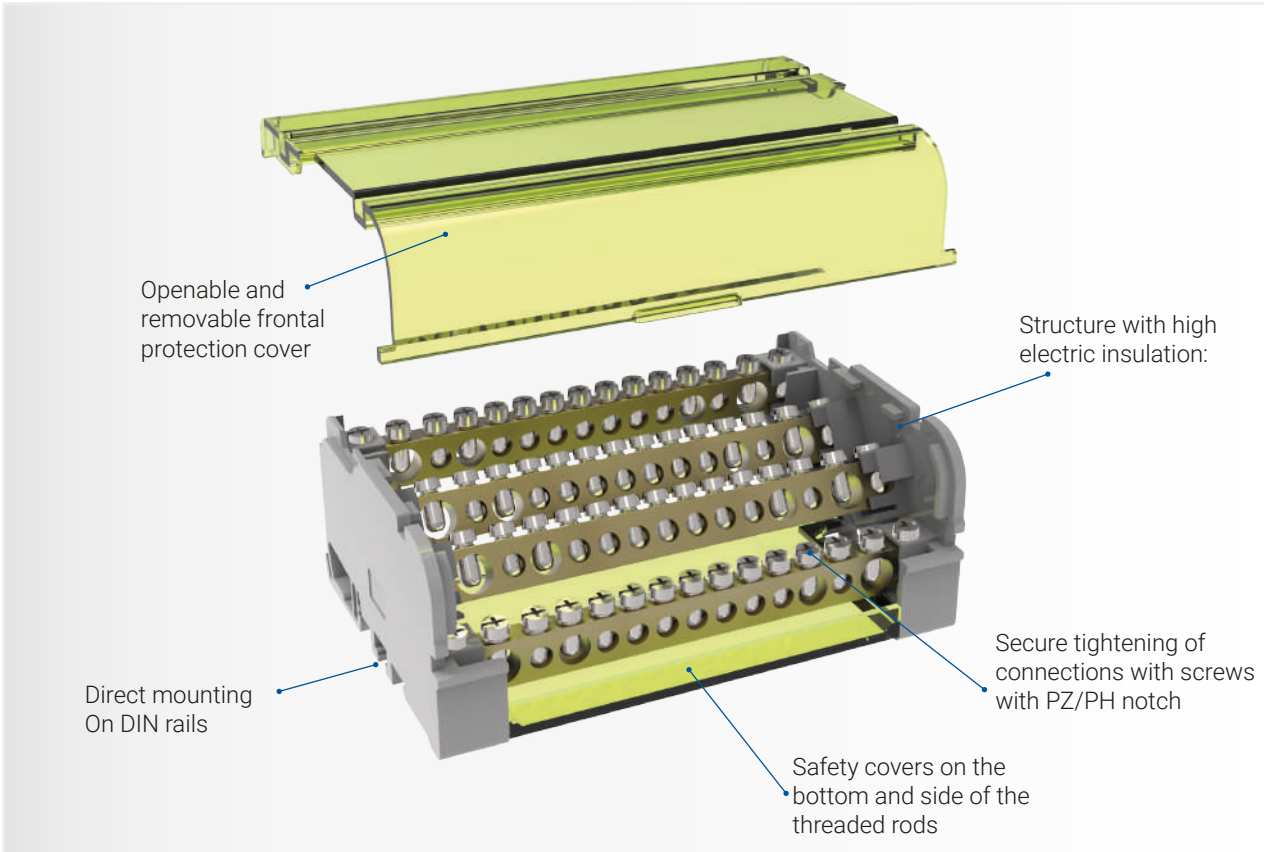






PRODUCTS CONFORMING TO REGULATIONS

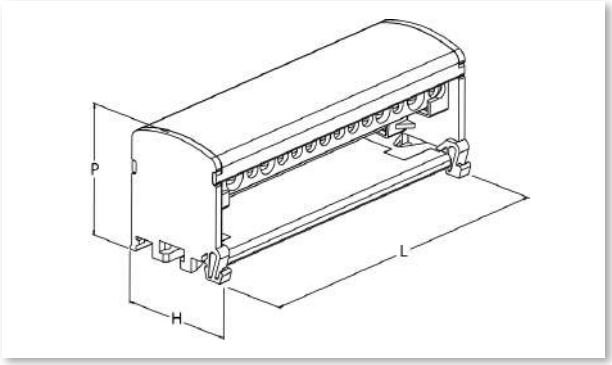

Front protective cover
openable and removable
Milled clamp for input connections
by indirect tightening:
Highly reliable connection
- possibility connection also with conductors
with rectangular cross-section (e.g., rigid and flexible copper
bars)
Secure tightening of connections with
hexagon socket headless screws
Guided access of cables
Possibility of fixing
on plate with screws
Body structure
with high dielectric
features
Possibility of side-by-side
attachment with clip
premounted on the
insulating structure
Direct mounting on DIN rail.


Openable and
removable frontal
protection cover
Structure with high
electric insulation:
Direct mounting
On DIN rails
Secure tightening of
connections with screws
with PZ/PH notch
Safety covers on the
bottom and side of the
threaded rods

Ω BLOCK - Two pole distribution blocks



RPB1005



TECHNICAL CHARACTERISTICS

Insulating block: PA 6, UL 94-V0, grey RAL 7035
Protective screen: PC, UL 94-V2, transparent yellow, manually removable
Conduction block: brass
Screws: steel
IP10 degree of protection, provides protection in case of accidental contact
Quick hook-up on DIN rails
Compliant with standard EN 60947-7-1

RPB0990 and RPB0995
- Maximum continuous operation temperature is: +85 °C

RPB1000 and RPB1005
- Maximum continuous operation temperature is: +105 °C
- Halogen-free

2-POLE DISTRIBUTION BLOCKS - RPB

Code	Reference		Weight (kg)	L (mm)	H (mm)	P (mm)	Hole spacing fixing (mm)
RPB0990	RPB 40-08	1	0,082	66	46	51	45
RPB0995	RPB 80-07	1	0,108	66	46	51	45
RPB1000	RPB 125-06	1	0,102	66	46	51	45
RPB1005	RPB 125-14	1	0,200	132	46	51	112

TECHNICAL DATA

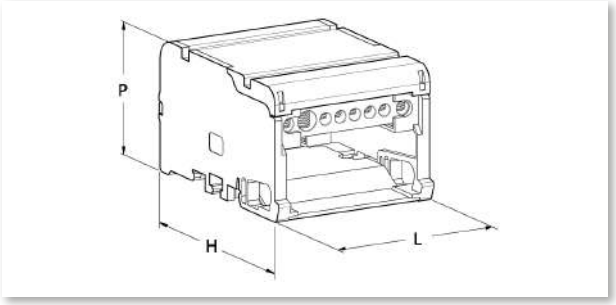
Code	Type	In (A)	IN/OUT	Sect. (mm²)	Sect. (mm²)	Nr	ø (mm)	Icw (kA)	Ipk (kA)	Ui (V)
RPB0990	2-POLE 8 outputs	40	IN →	2,5 ÷ 10	1,5 ÷ 10	1	5,5	2,0	15	1000
			← OUT	2,5 ÷ 10	1,5 ÷ 10	1	5,5			
			← OUT	1,5 ÷ 4	1,5 ÷ 4	4	4			
			← OUT	1,5 ÷ 2,5	1,5 ÷ 2,5	3	3			
RPB0995	2-POLE 7 outputs	80	IN →	10 ÷ 25	6 ÷ 16	1	7,5	4,5	20	1000
			← OUT	1,5 ÷ 4	1,5 ÷ 4	2	5			
			← OUT	1,5 ÷ 4	1,5 ÷ 4	5	4,5			
RPB1000	2-POLE 6 outputs	125	IN →	10 ÷ 35	10 ÷ 25	1	9,0	4,2	20	1000
			← OUT	10 ÷ 25	6 ÷16	1	7,5			
			← OUT	2,5 ÷ 10	1,5 ÷ 10	5	5,5			
RPB1005	2-POLE 14 outputs	125	IN →	10 ÷ 35	10 ÷ 25	1	9,0	4,2	20	1000
			← OUT	10 ÷ 35	10 ÷ 25	1	9,0			
			← OUT	10 ÷ 25	6 ÷16	2	7,5			
			← OUT	2,5 ÷ 10	1,5 ÷ 10	11	5,5			

Ipk = *Short-circuit current peak value expressed in kA*
Icw = *Effective value of short-circuit current, duration equal to 1 second, expressed in kA as per standard EN 60947-7-1*
Ui = *Nominal insulation voltage*

Cables legend:
Stripped wire
Cable with ferrule

PRODUCTS CONFORMING TO REGULATIONS





TECHNICAL CHARACTERISTICS

Insulating block: PA 6, UL 94-V0, halogen-free, RAL 7035 gray
Protective screen: PC, UL 94-V2, transparent yellow, manually removable
Conduction block: brass
Screws: steel
IP10 degree of protection, provides protection in case of accidental contact
Quick hook-up on DIN rails
Compliant with standard EN 60947-7-1

RPQ0980, RPQ0985, RPQ0990 and RPQ0995
- Maximum temperature of continuous operation: +85 °C

RPQ1000, RPQ1005, RPQ1009 and RPQ1010
- Maximum temperature of continuous operation: +105 °C
- Halogen-free

4-POLE DISTRIBUTION BLOCKS - RPQ

Code	Reference		Weight (kg)	L (mm)	H (mm)	P (mm)	Hole spacing fixing (mm)
RPQ0980	RPQ 40-08	1	0,165	66	84	50	45
RPQ0985	RPQ 40-14	1	0,245	100	84	50	80
RPQ0990	RPQ 80-07	1	0,214	66	84	50	45
RPQ0995	RPQ 80-12	1	0,319	100	84	50	80
RPQ1000	RPQ 125-06	1	0,200	66	84	50	45
RPQ1005	RPQ 125-10	1	0,300	100	84	50	80
RPQ1009	RPQ 125-12	1	0,400	132	84	50	112
RPQ1010	RPQ 125-14	1	0,400	132	84	50	112

TECHNICAL DATA

Code	Type	In (A)	IN/OUT	Sect. (mm²)	Sect. (mm²)	Nr	ø (mm)	Icw (kA)	Ipk (kA)	Ui (V)
RPQ0980	QUADRIPOLARE 8 uscite	40	IN →	2,5 ÷ 10	1,5 ÷ 10	1	5,5	2	15	1000
			← OUT	2,5 ÷ 10	1,5 ÷ 10	1	5,5			
			← OUT	1,5 ÷ 4	1,5 ÷ 4	4	4			
			← OUT	1,5 ÷ 2,5	1,5 ÷ 2,5	3	3			
RPQ0985	QUADRIPOLARE 14 uscite	40	IN →	2,5 ÷ 10	1,5 ÷ 10	1	5,5	2	15	1000
			← OUT	2,5 ÷ 10	1,5 ÷ 10	1	5,5			
			← OUT	1,5 ÷ 4	1,5 ÷ 4	7	4			
			← OUT	1,5 ÷ 2,5	1,5 ÷ 2,5	6	3			
RPQ0990	QUADRIPOLARE 7 uscite	80	IN →	10 ÷ 25	6 ÷ 16	1	7,5	4,5	20	1000
			← OUT	1,5 ÷ 4	1,5 ÷ 4	2	5			
			← OUT	1,5 ÷ 4	1,5 ÷ 4	5	4,5			
RPQ0995	QUADRIPOLARE 12 uscite	80	IN →	10 ÷ 25	6 ÷ 16	1	7,5	4,5	20	1000
			← OUT	10 ÷ 25	6 ÷ 16	1	7,5			
			← OUT	4 ÷ 10	2,5 ÷ 10	1	6			
			← OUT	1,5 ÷ 4	1,5 ÷ 4	2	5			
			← OUT	1,5 ÷ 4	1,5 ÷ 4	8	4,5			
RPQ1000	QUADRIPOLARE 6 uscite	125	IN →	10 ÷ 35	10 ÷ 25	1	9	4,2	18	1000
			← OUT	10 ÷ 25	6 ÷16	1	7,5			
			← OUT	2,5 ÷ 10	1,5 ÷ 10	5	5,5			
RPQ1005	QUADRIPOLARE 10 uscite	125	IN →	10 ÷ 35	10 ÷ 25	1	9	4,2	18	1000
			← OUT	10 ÷ 35	10 ÷ 25	1	9			
			← OUT	10 ÷ 25	6 ÷16	2	7,5			
			← OUT	2,5 ÷ 10	1,5 ÷ 10	7	5,5			
RPQ1009	QUADRIPOLARE 12 uscite	125	IN →	10 ÷ 35	10 ÷ 25	1	9	4,2	18	1000
			← OUT	10 ÷ 35	10 ÷ 25	1	9			
			← OUT	10 ÷ 25	6 ÷16	8	7,5			
			← OUT	2,5 ÷ 10	1,5 ÷ 10	3	5,5			
RPQ1010	QUADRIPOLARE 14 uscite	125	IN →	10 ÷ 35	10 ÷ 25	1	9	4,2	18	1000
			← OUT	10 ÷ 35	10 ÷ 25	1	9			
			← OUT	10 ÷ 25	6 ÷16	2	7,5			
			← OUT	2,5 ÷ 10	1,5 ÷ 10	11	5,5			

Ipk = *Short-circuit current peak value expressed in kA*
Icw = *Effective value of short-circuit current, duration equal to 1 second, expressed in kA as per standard EN 60947-7-1*
Ui = *Nominal insulation voltage*

Cables legend:
Stripped wire
Cable with ferrule

Ω BLOCK - Four pole distribution blocks

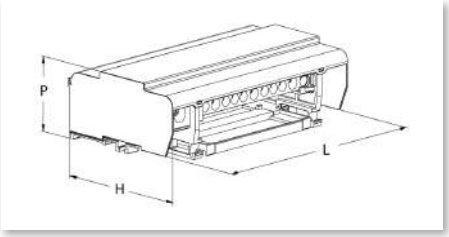


TECHNICAL CHARACTERISTICS

Insulating block: PA 6, UL 94-V0, grey RAL 7035.
Protective screen: PC, UL 94-V2, transparent yellow, manually removable
Conduction block: brass
Screws: steel
IP10 degree of protection, provides protection in case of accidental contacts
Quick hook-up on DIN rails
Compliant with standard EN 60947-7-1

RPQ1015, RPQ1016 and RPQ1017
- Maximum continuous operation temperature is: +85 °C

RPQ1018
- Maximum continuous operation temperature is: +85 °C
- Halogen-free



ADVANTAGES

Separate inputs
Forged conductors
Easy wiring: RPQ1015, RPQ1018
Modular depth: RPQ1016, RPQ1017

RPQ1016: Version Up & Down connection of 2 phases on each side

RPQ1018: Version Side Input orthogonal inputs to outputs

4-POLE DISTRIBUTION BLOCKS 160A - RPQ

Code	Reference		Weight (kg)	L (mm)	H (mm)	P (mm)	Hole spacing fixing (mm)
RPQ1015	RPQ 160-11	1	0,790	168	85	70	147
RPQ1016	RPQ 160-11-U&D	1	0,785	176	105	55	163
RPQ1017	RPQ 160-11 MS	1	0,780	176	105	55	163
RPQ1018	RPQ 160-11 SI	1	0,795	154	95	67	135

TECHNICAL DATA

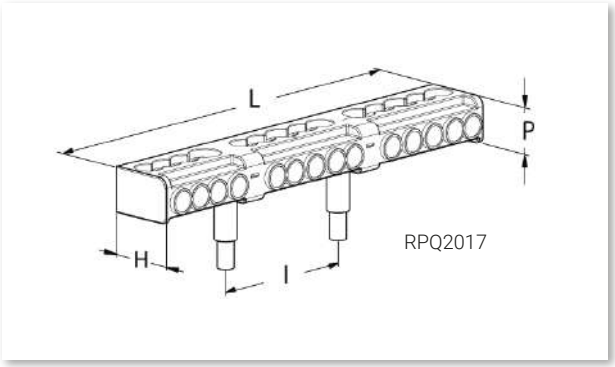
Code	Type	In (A)	IN/OUT	Sect. (mm²)	Sect. (mm²)	Nr	ø (mm)	Icw (kA)	Ipk (kA)	Ui (V)
RPQ1015	FOUR POLE 11 outputs	160	IN →	10 ÷ 50	10 ÷ 50	1	11,5	9	22	1000
			← OUT	10 ÷ 35	10 ÷ 25	3	8,5			
			← OUT	2,5 ÷ 16	1,5 ÷ 16	8	7			
RPQ1016	FOUR POLE Modular 11 outputs	160	IN →	10 ÷ 50	10 ÷ 50	1	12	9	22	1000
			← OUT	10 ÷ 35	10 ÷ 25	3	8,5			
			← OUT	2,5 ÷ 16	1,5 ÷ 16	7	7,2			
			← OUT	2,5 ÷ 10	1,5 ÷ 10	1	5,5			
RPQ1017	FOUR POLE Modular 11 outputs	160	IN →	10 ÷ 50	10 ÷ 50	1	12	9	22	1000
			← OUT	10 ÷ 35	10 ÷ 25	3	8,5			
			← OUT	2,5 ÷ 16	1,5 ÷ 16	7	7,2			
			← OUT	2,5 ÷ 10	1,5 ÷ 10	1	5,5			
RPQ1018	FOUR POLE Side Input 11 outputs	160	IN →	10 ÷ 50	10 ÷ 50	1	12	9	22	1000
			← OUT	10 ÷ 35	10 ÷ 25	3	8,5			
			← OUT	2,5 ÷ 16	1,5 ÷ 16	8	7			

Ipk = *Short-circuit current peak value expressed in kA*
Icw = *Effective value of short-circuit current, duration equal to 1 second, expressed in kA as per standard EN 60947-7-1*
Ui = *Nominal insulation voltage*

Cables legend:
Stripped wire
Cable with ferrule

PRODUCTS CONFORMING TO REGULATIONS





TECHNICAL CHARACTERISTICS

Insulating block: PC, UL 94-V2, transparent yellow
Conduction block: brass
Screws: steel
Protection grade IP20
Compliant with standard EN 60947-7-1

RPQ2017
- Maximum continuous operation temperature is: +85 °C
- Halogen free

ADVANTAGES

Improved wiring capacity
Mechanical fastening and direct electrical connection
Compatibility with RPQ1015, RPQ1016, RPQ1017, RPQ1018

NEUTRAL EXTENSION FOR RPQ1017

Code	Reference		Weight (kg)	L (mm)	H (mm)	P (mm)	Fixing hole spacing I (mm)
RPQ2017	RPN 160-14	1	0,190	161	27	17	57

TECHNICAL DATA

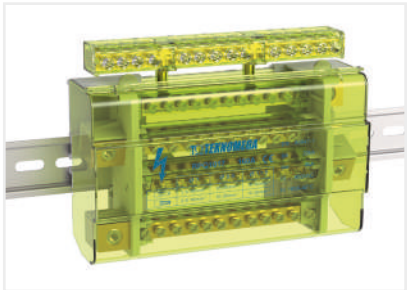
Code	Type	In (A)	IN/OUT	Sect. (mm²)	Sect. (mm²)	Nr	ø (mm)	Icw (kA)	Ipk (kA)	Ui (V)
RPQ2017	NEUTRAL 14 outputs	160	← OUT	10 ÷ 35	10 ÷ 16	4	8.5	9	22	1000
			← OUT	2.5 ÷ 25	2.5 ÷ 25	10	7			

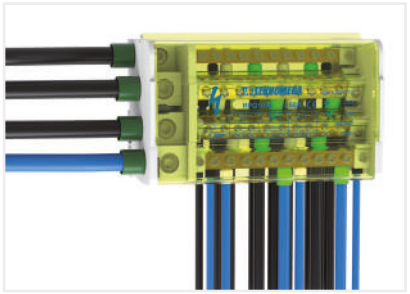
Ipk = *Short-circuit current peak value expressed in kA*
Icw = *Effective value of short-circuit current, duration equal to 1 second, expressed in kA as per standard EN 60947-7-1*
Ui = *Nominal insulation voltage*

Cables legend:
Stripped wire
Cable with ferrule

APPLICATIONS:

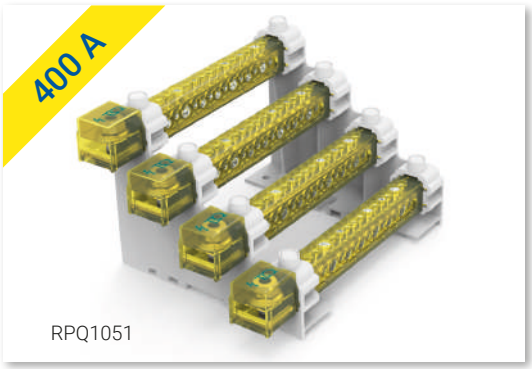

RPQ1016

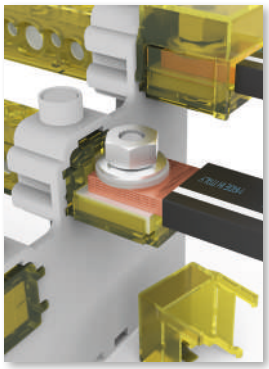

RPQ1017 with neutral extension RPQ2017

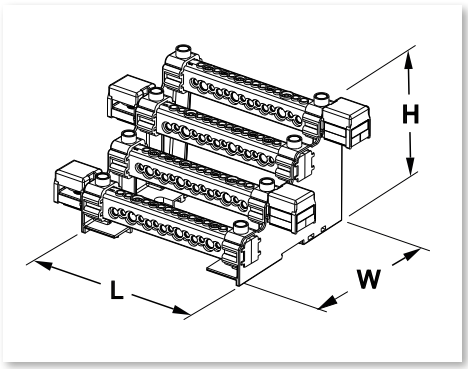

RPQ1018

PRODUCTS CONFORMING TO REGULATIONS

Ω BLOCK - Four pole distribution blocks







TECHNICAL CHARACTERISTICS

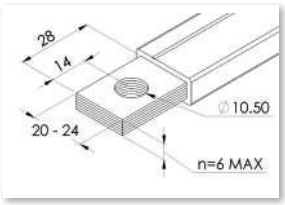
Supporting structure: PA 6, UL 94-V0, grey RAL 7035
Protective screen: PC, UL 94-V2, transparent yellow, manually removable
Conduction block: tinned copper
Screws: steel
IP10 degree of protection, provides protection in case of accidental contact
Easy installation on DIN rails or on panels with screws
Compliance with EN 60947-7-1

RPQ1051
- Maximum continuous operating temperature: +85 °C
- Halogen free

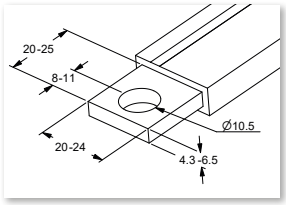
ADVANTAGES

Easy connection: inputs are separated from the outputs.
Input connections for: COFLEX, COFLEX PLUS, JLINK, JLINK PLUS and cable lugs.
Cable wiring on both sides with or without terminals.
Easy inspection of the wiring cable and verification of the connections.
Complete product customisation:
- All 4-POLE bars can be oriented with left or right input
- Inlet bars can be fixed from the right or left, front or rear.

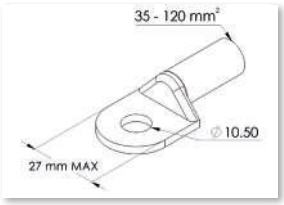
INPUT CONNECTIONS



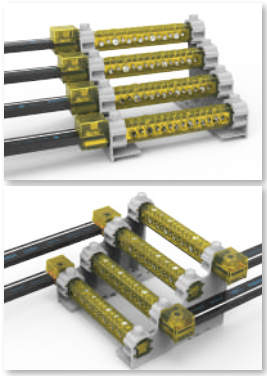
(*)COFLEX



(*)JLINK



(*)Cable lugs



RPQ1051

Code	Reference		Weight (kg)	L (mm)	H (mm)	W (mm)	Hole spacing fixing (mm)
RPQ1051	RPQ 400 -14	1	2,073	194 (264 with terminals)	141	165	128

TECHNICAL DATA

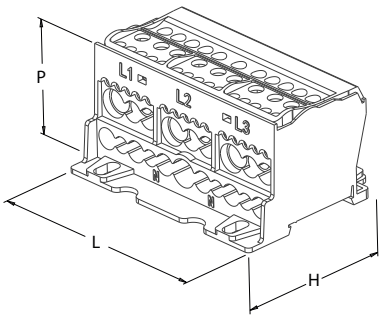
Code	Type	In (A)	IN/OUT	Sect. (mm²)	Sect. (mm²)	Nr	ø (mm)	Icw (kA)	Ipk (kA)	Ui (V)
RPQ1051	4-POLE 14 OUTPUTS	400	IN →	35 ÷ 120 (*)	35 ÷ 120 (*)	1	28.1 x 8.2	30	53	1000
			← OUT	10 ÷ 50	10 ÷ 35	1	9.5			
			← OUT	10 ÷ 35	10 ÷ 25	2	9			
			← OUT	6 ÷ 25	6 ÷ 16	4	7			
			← OUT	2.5 ÷ 16	2.5 ÷ 10	7	5.5			

(*) Possibility to use cable lugs, JLINK or COFLEX (recommended CFX size: 4x20x1 and 3x24x1)
Ipk = *Short-circuit current peak value expressed in kA*
Icw = *Effective value of short-circuit current, duration equal to 1 second, expressed in kA as per standard EN 60947-7-1*
Ui = *Nominal insulation voltage*
Cables legend:
Stripped wire
Cable with ferrule

PRODUCTS CONFORMING TO REGULATIONS



RPQ1025



TECHNICAL CHARACTERISTICS

Insulating block: PA 6, UL 94-V0, grey RAL 7035
Protective screen: PC, UL 94-V2, transparent yellow, manually removable
Conduction block: brass
Screws: steel
Protection grade IP20
Quick hook-up on DIN rails
Compliant with standard EN 60947-7-1

RPQ1025
- Maximum continuous operation temperature is: +85 °C
- Easy wiring

ADVANTAGES

Easy connection: inputs are separated from the outputs
Easy inspection of the wiring cable and verification of the connections

RPQ1025

Code	Reference		Weight (kg)	L (mm)	H (mm)	P (mm)	Fixing hole spacing (mm)
RPQ1025	RPQ C-125	1	0,320	98	75	49	55 - 70

TECHNICAL DATA

Code	Type	In (A)	PHASES/NEUTRAL	IN/OUT	Sect. (mm²)	Sect. (mm²)	Nr	ø (mm)	Icw (kA)	Ipk (kA)	Ui (V)
RPQ1025	4-POLE Compact 7 outputs	125	phase	IN →	2.5 ÷ 35	1.5 ÷ 25	1	8.5	4.2	24	1000
			phase	← OUT	1.5 ÷ 16	1.5 ÷ 16	2	7			
			phase	← OUT	1.5 ÷ 6	0.5 ÷ 6	5	4.5			
			neutral	IN →	6 ÷ 35	4 ÷ 25	1	8.5			
			neutral	← OUT	1.5 ÷ 16	1.5 ÷ 16	6	7			
			neutral	← OUT	1.5 ÷ 10	0.5 ÷ 10	4	5.5			

Ipk = *Short-circuit current peak value expressed in kA*
Icw = *Effective value of short-circuit current, duration equal to 1 second, expressed in kA as per standard EN 60947-7-1*
Ui = *Nominal insulation voltage*

Cables legend:
Stripped wire
Cable with ferrule

PRODUCTS CONFORMING TO REGULATIONS

Ω BLOCK - Single pole distribution blocks



Connessione diretta con COFLEX

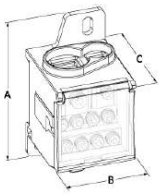


Connessione in parallelo (125-160 A)

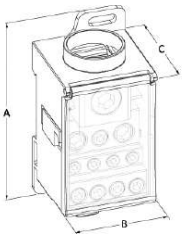
c UL us file n° E302208



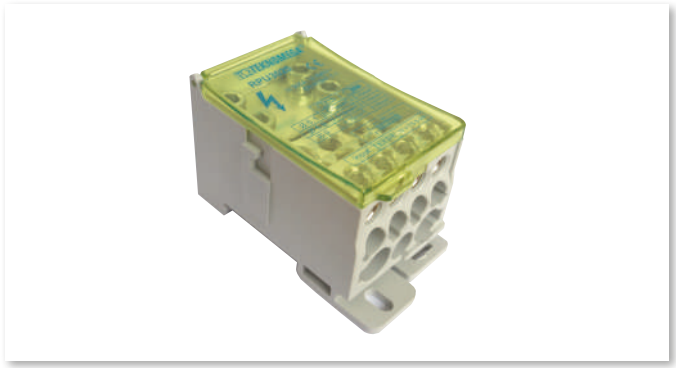
RPU2995

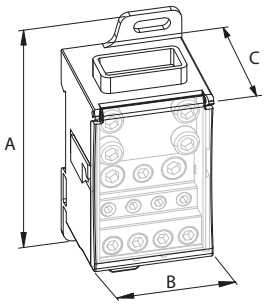


RPU3000
RPU3005



RPU3010
RPU3015





RPU3020

TECHNICAL CHARACTERISTICS

Insulating block: PA 6 , UL 94-V0, grey RAL 7035.
Protective screen: PC, UL 94-V2, transparent yellow, manually removable
Conduction block:
- RPU2995, RPU3000, RPU3005, RPU3015 and RPU3020: tinned copper
- RPU3010: brass

Screws: tin-plated steel and aluminium
Protection grade IP20B
Quick hook-up on DIN rails
Compliant with standard EN 60947-7-1

RPU2995, RPU3000, RPU3005, RPU3010, RPU3015 and RPU3020
- Maximum temperature of continuous operation: +85 °C
- Halogen-free

SINGLE-POLE DISTRIBUTION BLOCKS - RPU

Code	Reference		Weight (kg)	A (mm)	B (mm)	C (mm)	Fixing hole spacing (mm)
RPU2995	RPU 80-6 S	1	0,071	66	30	46	54
RPU3000	RPU 125-8 S	1	0,161	75	40	48	62
RPU3005	RPU 160-8 S	1	0,170	75	40	48	62
RPU3010	RPU 250-11 S	1	0,332	96	47	50	84
RPU3015	RPU 400-11 S	1	0,358	96	47	50	84
RPU3020	RPU 500-11	1	0,45	96	47	50	84

PRODUCTS CONFORMING TO REGULATIONS

TECHNICAL DATA

Code	Type	In (A)		IN/OUT	COFLEX* L (mm)	Sect. (mm²)	Sect. (mm²)	Nr	ø (mm)	Icw (kA)	Ipk (kA)	Ui (V)
		IEC/EN	UL									
RPU2995	1-pole 6 outputs 80 A	80	85	IN →	-	2,5 ÷ 25	2,5 ÷ 16	1	6,8	3	22	1000
				IN/OUT	-	2,5 ÷ 25	2,5 ÷ 16	2	6,8			
				← OUT	-	2,5 ÷ 10	2,5 ÷ 6	4	4,5			
RPU3000	1-pole 8 outputs 125 A	125	130	IN →	9	10 ÷ 50	10 ÷ 50	1	11 x 9	4,4	30	1000
				IN/OUT	-	6 ÷ 25	6 ÷ 16	1	8,7 x 6			
				← OUT	-	2,5 ÷ 25	2,5 ÷ 16	8	6,8			
RPU3005	1-pole 8 outputs 160 A	160	175	IN →	9-13	10 ÷ 70	10 ÷ 50	1	13,5 x 11,5	11	30	1000
				IN/OUT	-	6 ÷ 25	6 ÷ 16	1	8,7 x 6			
				← OUT	-	2,5 ÷ 25	2,5 ÷ 16	8	6,8			
RPU3010	1-pole 11 outputs 250 A	250	230	IN →	13-15,5	35 ÷ 120	35 ÷ 95	1	16 x 14	21	51	1000
				← OUT	-	6 ÷ 35	6 ÷ 25	2	9			
				← OUT	-	2,5 ÷ 25	2,5 ÷ 16	5	6,8			
				← OUT	-	2,5 ÷ 10	2,5 ÷ 10	4	6,1			
RPU3015	1-pole 11 outputs 400 A	400	310	IN →	15,5-20	95 ÷ 185	95 ÷ 120	1	20,5 x 16	25	66	1000
				← OUT	-	6 ÷ 35	6 ÷ 25	2	9			
				← OUT	-	2,5 ÷ 25	2,5 ÷ 16	5	6,8			
				← OUT	-	2,5 ÷ 10	2,5 ÷ 10	4	6,1			
RPU3020	1-pole 11 outputs 500 A	500	-	IN →	15,5÷24	2,5 - 95	2,5 - 70	1	24 x 9	25	63	1000
				← OUT	-	6 ÷ 35	6 ÷ 25	2	9			
				← OUT	-	2,5 ÷ 16	2,5 ÷ 16	5	6,8			
				← OUT	-	2,5 ÷ 10	2,5 ÷ 10	4	6,1			





Ipk = *Short-circuit current peak value expressed in kA*
Icw = *Effective value of short-circuit current, duration equal to 1 second, expressed in kA as per standard EN 60947-7-1*
Ui = *Nominal insulation voltage*

Cables legend:
Stripped wire
Cable with ferrule

Ω BLOCK - Three pole distribution blocks



c UL us file n° E302208

RPT3000
RPT3005



TECHNICAL CHARACTERISTICS

Insulating block: PA 6, UL 94-V0, grey RAL 7035
Protective screen: PC, UL 94-V2, transparent yellow, manually removable
Conduction block: brass
Screws: tin-plated steel and aluminium
Protection grade IP20B
Quick hook-up on DIN rails
Compliant with standard EN 60947-7-1

RPT3000 and RPT3005
- Maximum continuous operation temperature is: +85 °C
- Halogen-free
- Direct connection with COFLEX

3-POLE DISTRIBUTION BLOCKS

Code	Reference		Weight (kg)	A (mm)	B (mm)	C (mm)	Hole spacing fixing (mm)
RPT3000	RPT 125-6 S	1	0,319	75	85	48	63 and 38
RPT3005	RPT 160-6 S	1	0,336	75	85	48	63 and 38

TECHNICAL DATA

Code	Type	In (A)		IN/OUT	COFLEX* L (mm)	Sect. (mm²)	Sect. (mm²)	Nr	ø (mm)	Icw (kA)	Ipk (kA)	Ui (V)
		IEC/EN	UL									
RPT3000	3 POLE 6 outputs 125 A	125	130	IN →	9	10 ÷ 50	10 ÷ 35	1	11 x 9	4.4	30	1000
				← OUT	-	2.5 ÷ 25	2.5 ÷ 16	6	6.8			
RPT3005	3 POLE 6 outputs 160 A	160	175	IN →	9-13	10 ÷ 70	10 ÷ 50	1	13.5 x 11.5	11	30	1000
				← OUT	-	2.5 ÷ 25	2.5 ÷ 16	6	6.8			

Ipk = *Short-circuit current peak value expressed in kA*
Icw = *Effective value of short-circuit current, duration equal to 1 second, expressed in kA as per standard EN 60947-7-1*
Ui = *Nominal insulation voltage*

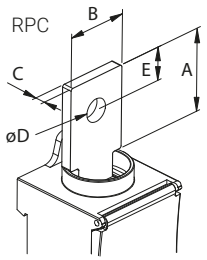
Cables legend:
Stripped wire
Cable with ferrule

PRODUCTS CONFORMING TO REGULATIONS





RPC3020
(Flat terminal version)



TECHNICAL CHARACTERISTICS

Material: Tinned copper
It allows connections between PTBs or Distribution Blocks and Co-Flex or J-links.
To connect J-links to PTBs or Distribution Blocks the use of RPC adapters is necessary.
Allows direct connection between PTBs or Distribution Blocks and switches.

TERMINAL FOR RPU - RPT - PTB INPUT

Code	Reference		In (A)	Weight (kg)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
RPC3000	RPC 125A	10	125	0.032	25	20	4	8.5	7.5
RPC3005	RPC 160A	10	160	0.042	30	20	4.5	8.5	9
RPC3010	RPC 250A	10	250	0.064	35	25	4.5	11	12
RPC3015	RPC 400A	10	400	0.098	40	30	5	11	16
RPC3020	RPC 500A	10	500	0.125	40	32	6	13	16

COMPATIBILITY TABLE

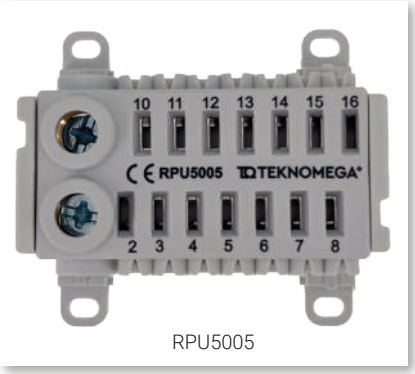
Code	Reference	Compatible power Distribution Blocks/terminals		
RPC3000	RPC 125A	RPU3005	RPT3000	-
RPC3005	RPC 160A	RPU3005	RPT3005	PTB6020
RPC3010	RPC 250A	RPU3010	-	PTB6025
RPC3015	RPC 400A	RPU3015	-	PTB6030
RPC3020	RPC 500A	RPU3020	-	-

PRODUCTS CONFORMING TO REGULATIONS

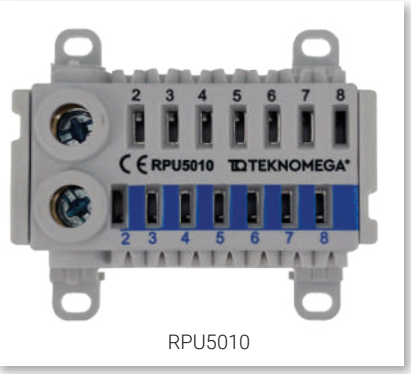
Ω BLOCK - Quick distribution blocks



RPU5000



RPU5005



RPU5010

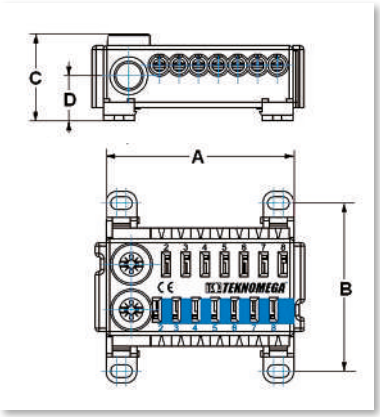
TECHNICAL CHARACTERISTICS

Insulating block: PA 6, UL 94-V0, grey RAL 7035
Conduction block: brass
Screws: steel
Terminals: spring steel Protection class IP20B
Quick coupling on DIN rails or plate
by means of 4 M4 screws
Compliant with standard EN 60947-7-1

RPU5000, RPU5005 and RPU5010
- Maximum temperature of continuous operation: +125 °C
- Halogen-free

ADVANTAGES

Extremely easy wiring
Output with spring tightening
Side-by-side elements with interlocking connection
Highly reliable and stable connection with:
- Rigid stripped cable
- Cable with ferrule



QUICK DISTRIBUTION BLOCKS (UNI AND BI-POLAR)

1 POLE

Code	Reference		Weight (kg)	A (mm)	B (mm)	C (mm)	D (mm)
RPU5000	RPU 80-S-14-B	10	0,048	53	47	24	12
RPU5005	RPU 80-S-14-G	10	0,048	53	47	24	12

TECHNICAL DATA

Code	Type	In (A)	IN/OUT	Sect. (mm²)	Sect. (mm²)	Nr	Ui (V)
RPU5000	1-pole 14 outputs blue 80 A	80	IN→	1.5 ÷ 25	1.5 ÷ 16	2	1000
			← OUT	0.5 ÷ 4	0.5 ÷ 4	14	
RPU5005	1-pole 14 outputs grey 80 A	80	IN →	1.5 ÷ 25	1.5 ÷ 16	2	1000
			← OUT	0.5 ÷ 4	0.5 ÷ 4	14	

2-POLE

Code	Reference		Weight (kg)	A (mm)	B (mm)	C (mm)	D (mm)
RPU5010	RPB 80-S-7-BG	10	0,048	53	47	24	12

TECHNICAL DATA

Code	Type	In (A)	IN/OUT	Sect. (mm²)	Sect. (mm²)	Nr	Ui (V)
RPU5010	2-pole 7 outputs 80A	80	IN→	1.5 ÷ 25	1.5 ÷ 16	1	450
			← OUT	0.5 ÷ 4	0.5 ÷ 4	7	

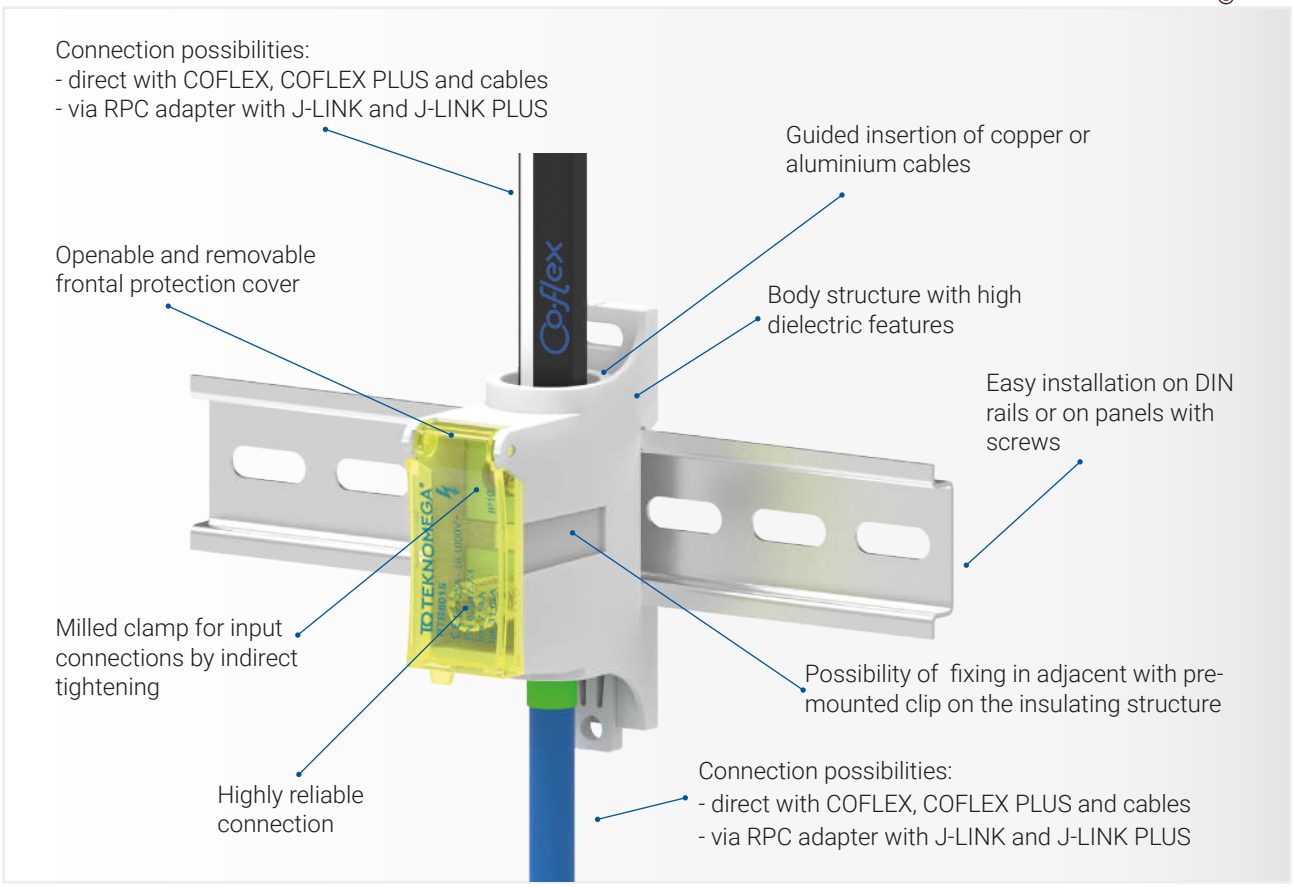
Cables legend:
Stripped wire
Cable with ferrule

PRODUCTS CONFORMING TO REGULATIONS



TECHNICAL FEATURES

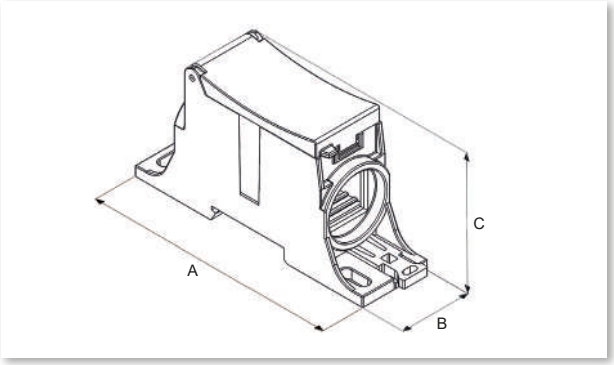
Self-extinguishing insulating block: PA 6, UL 94-V0
Cover: PC, UL 94-v2, transparent yellow, manually removable
Conduction block: tinned copper
Clamps: galvanized steel and Al alloy
Screws: galvanized steel
IP10 degree of protection ensures protection against accidental contact
Compliant with standard EN 60947-7-1
Maximum continuous operation temperature is: +85 °C



PRODUCTS CONFORMING TO REGULATIONS

Ω BLOCK - Power Terminal Blocks





POWER TERMINALS 125-160-250-400 A

Code	Reference		Weight (kg)	A (mm)	B (mm)	C (mm)
PTB6015	PTB 125	1	0.110	84	24	54
PTB6020	PTB 160	1	0.115	84	24	54
PTB6025	PTB 250	1	0.195	111	27	56
PTB6030	PTB 400	1	0.270	111	32	60

TECHNICAL DATA

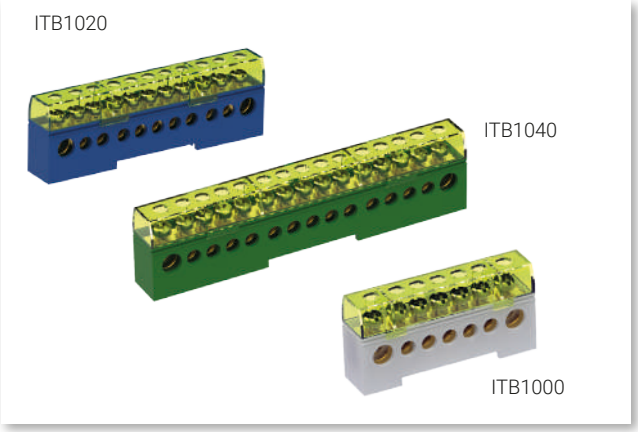
Code	Type	In (A)	IN/OUT	Recommended COFLEX* L (mm)	Sect.(mm²)	Sect.(mm²)	Nr	Icw (kA)	Ipk (kA)	Ui (V)
PTB6015	1 POLE 1 output 125A	125	IN →	3x9x0.8	25÷35	10÷35	1	7.5	31.6	1000
			← OUT	3x9x0.8	25÷35	10÷35	1			
PTB6020	1 POLE 1 output 160A	160	IN →	3x13x0.5	25÷70	10÷50	1	11.2	41	1000
			← OUT	3x13x0.5	25÷70	10÷50	1			
PTB6025	1 POLE 1 output 250A	250	IN →	4x15.5x0.8	50÷95	35÷95	1	15.1	43.2	1000
			← OUT	4x15.5x0.8	50÷95	35÷95	1			
PTB6030	1 POLE 1 output 400A	400	IN →	6x15.5x0.8	25÷185	25÷150	1	29.6	52.3	1000
			← OUT	6x15.5x0.8	25÷185	25÷150	1			

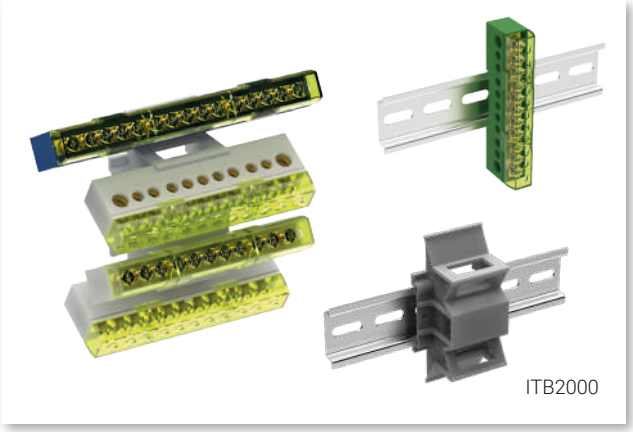
**See the flexible bar tables COFLEX and COFLEX PLUS*

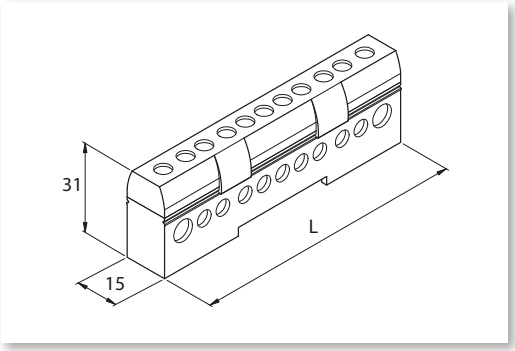
Ipk = *Short-circuit current peak value expressed in kA*
Icw = *Effective value of short-circuit current, duration equal to 1 second, expressed in kA as per standard EN 60947-7-1*
Ui = *Nominal insulation voltage*

Cables legend:
Stripped wire
Cable with ferrule

PRODUCTS CONFORMING TO REGULATIONS





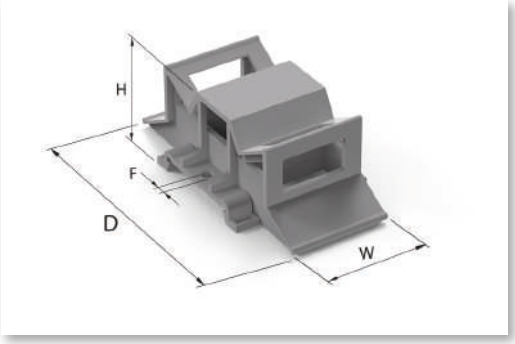


TECHNICAL CHARACTERISTICS

Insulating block: PA 6, UL 94-V0,
Grey RAL 7035 - Blue RAL 5012 - Green RAL 6024
Cover: PC UL 94-V0, transparent yellow
Conduction block: Brass
Screws: Galvanized steel
Direct fitting on DIN rail or ITB2000 stand
Insulation voltage: 1000 V
Compliant with standard EN 60947-7-1
Halogen-free. IP20B degree.
Maximum continuous operation temperature is: +105 °C

1-POLE DISTRIBUTION BLOCK 80 A

Code	Reference	Color		Weight (kg)	L (mm)	ø holes (mm)	No. holes	Sect. (mm²)	Sect. (mm²)
ITB1000	ITB 80-7 W	Grey	5	0.046	63	7.5	2	4 ÷ 16	2.5 ÷ 16
ITB1015	ITB 80-7 B	Blue							
ITB1030	ITB 80-7 G	Green				5.5	5	2.5 ÷ 6	1.5 ÷ 6
ITB1005	ITB 80-11 W	Grey	5	0.070	95	7.5	2	4 ÷ 16	2.5 ÷ 16
ITB1020	ITB 80-11 B	Blue							
ITB1035	ITB 80-11 G	Green				5.5	9	2.5 ÷ 6	1.5 ÷ 6
ITB1010	ITB 80-15 W	Grey	5	0.094	125	7.5	2	4 ÷ 16	2.5 ÷ 16
ITB1025	ITB 80-15 B	Blue							
ITB1040	ITB 80-15 G	Green				5.5	13	2.5 ÷ 6	1.5 ÷ 6



TECHNICAL CHARACTERISTICS

Material: PA 6, UL 94-V0, grey RAL 7035
Direct mounting on DIN rail
Mounting on steel plate by screws M4
Halogen free
Maximum continuous operation temperature is: +105 °C

ADVANTAGES

Up to 4 ITB terminal blocks can be mounted on the support
it is possible to create distribution blocks of 2P, 3P or 4P

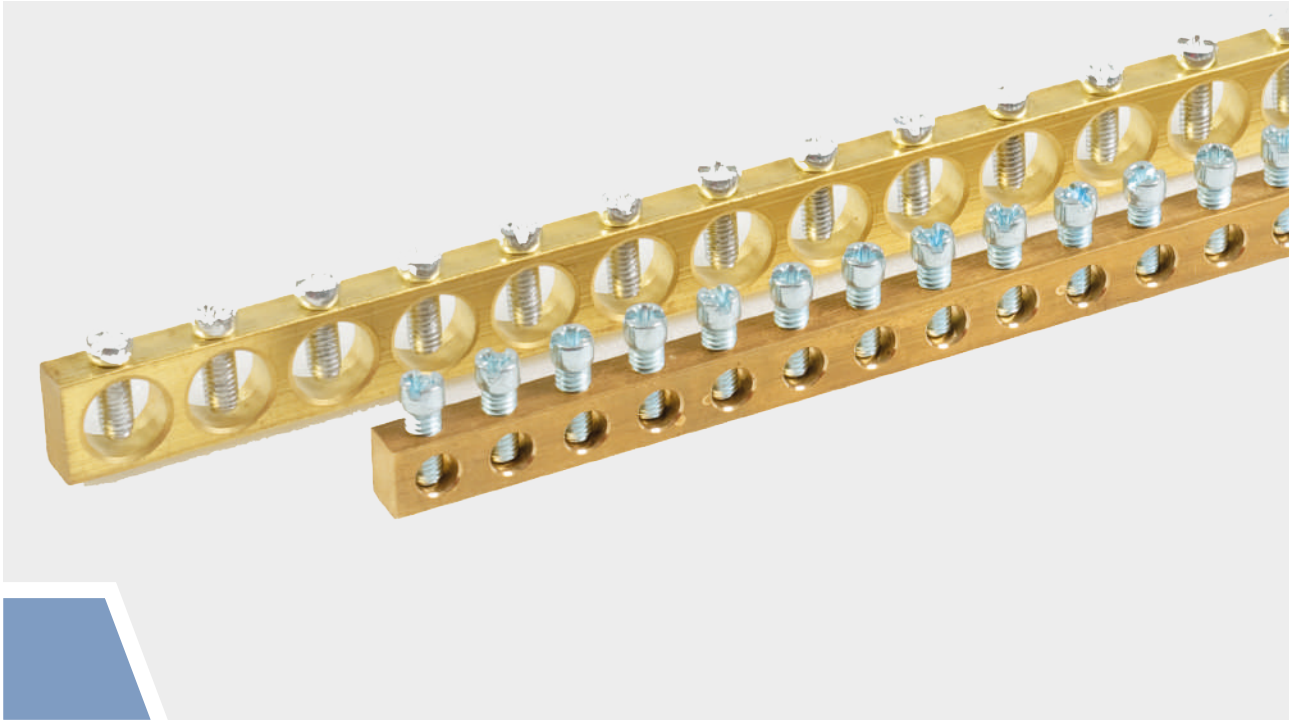
1 POLE TERMINAL BLOCK SUPPORT 80 A

Code	Reference		W (mm)	H (mm)	D (mm)	F (mm)	Hole spacing fixing (mm)
ITB2000	ITB-S DIN35	5	35	31	90	4	40

Cables legend:
Stripped wire
Cable with ferrule

PRODUCTS CONFORMING TO REGULATIONS

Earthing and Neutral terminals



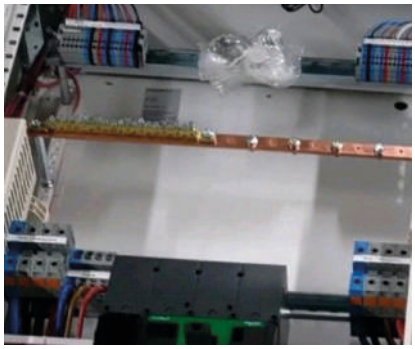
Terminal **blocks** are typically used inside switchboards or electrical cabinets for **earthing**, where small cable cross-sections are required; terminal blocks are a compact and economical solution compared to, for example, copper bars.

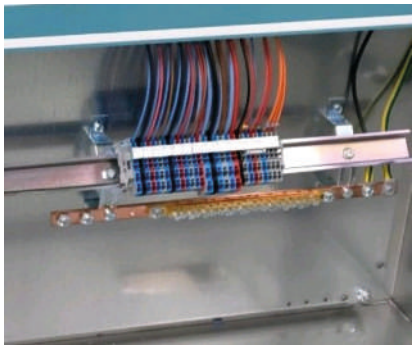
Due to their construction, they allow **a very high density of cable connections**, which is especially useful when there are many terminals to be connected, or in the case of cables coming from two different sides. Some models are provided with connections for cable lugs up to 95 mm^2.

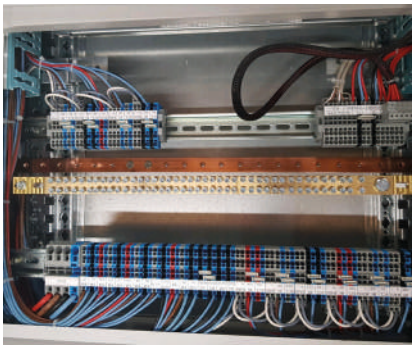
They can be installed either vertically or horizontally, and are easy to shorten according to the space available inside the electrical equipment. Some products, e.g. MRS5000, are already designed with dimensions suitable for installation in the control cabinets of the major manufacturers on the market.

It is also possible to fix the terminal blocks directly onto a copper bar at a terminal, allowing the rest of the copper bar to be used for larger cable cross-sections.

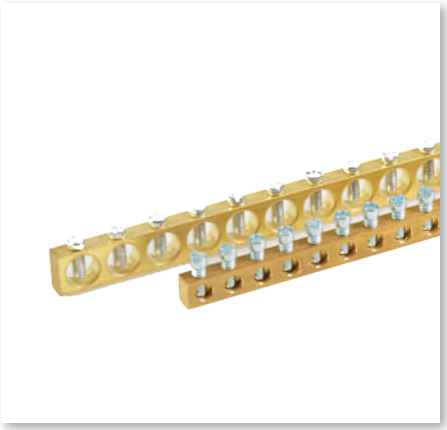
Generally, the terminal blocks are fixed to the enclosure structure by means of the DZM metal spacers, but if there is a need to isolate them from the enclosure wall, the MRS 7000 series supports, or the CPH series or ISO series insulators can be used.





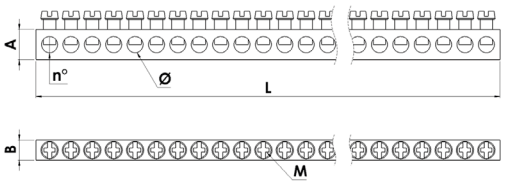


PRODUCTS CONFORMING TO REGULATIONS



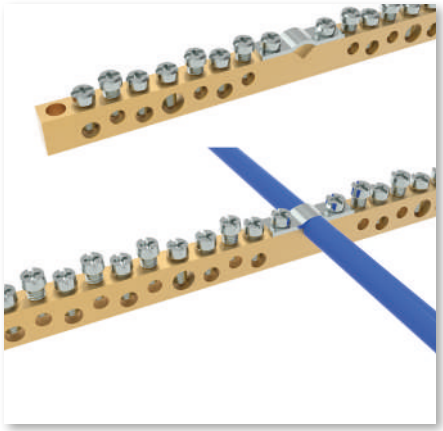
TECHNICAL CHARACTERISTICS

Material: brass
Complete with galvanized steel screws in galvanized steel
1 meter long



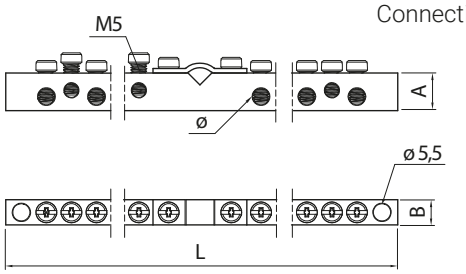
EARTHING BARS

Code	Reference		Weight (kg)	L (mm)	A (mm)	B (mm)	(m)	ø holes (mm)	No. holes	Sect. (mm²)	Sect. (mm²)	(Nm)
MRS1501	MRS 9x6	10	0.380	1000	9	6	M4	5.2	113	2.5 ÷ 6	1.5 ÷ 6	1.2
MRS1506	MRS 12x8	10	0.774	1000	12	8	M5	6.5	116	2.5 ÷ 16	1.5 ÷ 10	3



TECHNICAL CHARACTERISTICS

Material: brass
Connection with cable collar up to 25 mm²
Ends with through-hole
to facilitate fixing.
Complete with galvanized steel
M5 screws in galvanized steel.

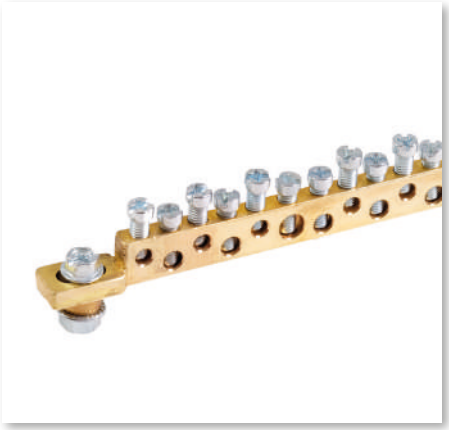


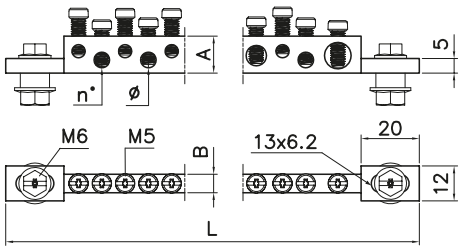
EARTHING TERMINALS WITH CABLE COLLAR

Code	Reference		Weight (kg)	L (mm)	AxB (mm)	No. inputs	ø holes (mm)	No. holes	Sect. (mm²)	Sect. (mm²)	(Nm)
MRS4000	MRS 12X8-14	10	0.125	165	12x8	1	7.0	2	4 ÷ 16	2.5 ÷ 16	1.5
							5.3	6	2.5 ÷ 6	1.5 ÷ 6	1.5
							4.5	6	1.5 ÷ 4	0.75 ÷ 4	1.5
MRS4005	MRS 12X8-28	10	0.240	312	12x8	2	7.0	4	4 ÷ 16	2.5 ÷ 16	1.5
							5.3	12	2.5 ÷ 6	1.5 ÷ 6	1.5
							4.5	12	1.5 ÷ 4	0.75 ÷ 4	1.5
MRS4010	MRS 12X8-42	5	0.358	462	12x8	3	7.0	6	4 ÷ 16	2.5 ÷ 16	1.5
							5.3	18	2.5 ÷ 6	1.5 ÷ 6	1.5
							4.5	18	1.5 ÷ 4	0.75 ÷ 4	1.5

Cables legend:
Stripped wire
Cable with ferrule

PRODUCTS CONFORMING TO REGULATIONS



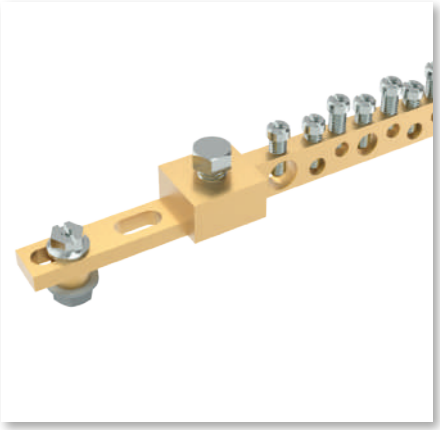


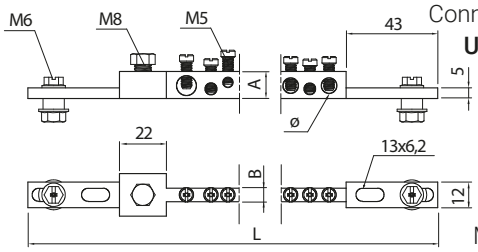
TECHNICAL CHARACTERISTICS

Material: brass
Universal fixing:
direct Fixing,
fixing on copper bar,
fixing on spacers and
extension 2 connectors.
Complete with fixings M6
and connection screws M5
in galvanized steel.

EARTHING TERMINALS

Code	Reference		Weight (kg)	L (mm)	A (mm)	B (mm)	ø holes (mm)	n° holes	Stripped wire (mm²)	Wire with ferrule (mm²)	(Nm)
MRS2000	MRS 13-6-20	1	0.165	215	13	6	9.1	1	16 ÷ 35	10 ÷ 35	2
							7.0	3	4 ÷ 16	2.5 ÷ 16	2
							5.3	8	2.5 ÷ 6	1.5 ÷ 6	1.5
							4.5	8	1.5 ÷ 4	0.75 ÷ 4	1.5
MRS5000	MRS 13-6-50	1	0.353	462	13	6	9.1	1	16 ÷ 35	10 ÷ 35	2
							7.0	6	4 ÷ 16	2.5 ÷ 16	2
							5.3	24	2.5 ÷ 6	1.5 ÷ 6	1.5
							4.5	19	1.5 ÷ 4	0.75 ÷ 4	1.5





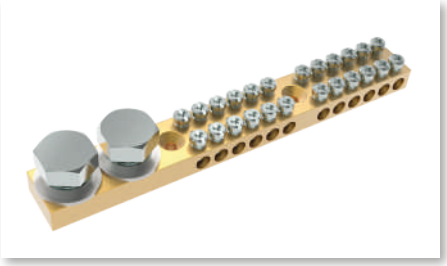
TECHNICAL CHARACTERISTICS

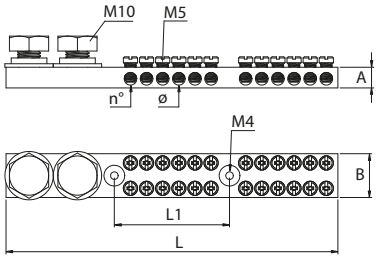
Material: brass
Connection with cable lug up to 95mm²
Universal fixing with 2 eyelet holes:
direct fixing on structure,
fixing on copper bars,
fixing on spacers and joining of
2 connectors.
Complete with M6 fixing screws,
M8 screws for eyelet terminals and
M5 galvanized steel connection screws.

EARTHING TERMINALS WITH CONNECTIONS FOR HOUSING

Code	Reference		Weight (kg)	L (mm)	A (mm)	B (mm)	ø holes (mm)	n° holes	Stripped wire (mm²)	Wire with ferrule (mm²)	(Nm)
MRS5002	MRS 13-6-41	1	0.350	462	13	6	9.1	1	16 ÷ 35	10 ÷ 35	2
							7.0	7	4 ÷ 16	2.5 ÷ 16	2
							5.3	19	2.5 ÷ 6	1.5 ÷ 6	1.5
							4.5	14	1.5 ÷ 4	0.75 ÷ 4	1.5
MRS5005	MRS 13-6-56	1	0.330	462	13	6	9.1	1	16 ÷ 35	10 ÷ 35	2
							7.0	1	4 ÷ 16	2.5 ÷ 16	2
							4.5	54	1.5 ÷ 4	0.75 ÷ 4	1.5

PRODUCTS CONFORMING TO REGULATIONS



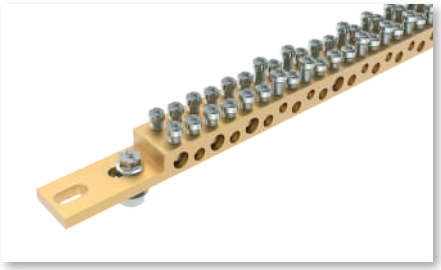


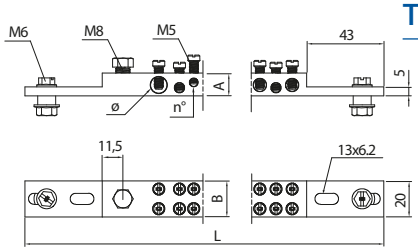
TECHNICAL CHARACTERISTICS

Material: brass
Double connection per hole
Double inlet up to 50 mm²
Complete with M4 fixing screws, M10 screws for eyelet terminals and M5 galvanized steel connection screws.
All outlets are numbered

DOUBLE-CONNECTION TERMINAL BLOCKS

Code	Reference		Weight (kg)	L (mm)	L1 (mm)	A (mm)	B (mm)	ø holes (mm)	No. holes	Sect. (mm²)	Sect. (mm²)	(Nm)
MRS3000	MRS 2x6	10	0.170	102	50	9	19	5,5	2 x 6	2.5 ÷ 6	1.5 ÷ 6	2
MRS3005	MRS 2x12	10	0.215	144	50	9	19	5,5	2 x 12	2.5 ÷ 6	1.5 ÷ 6	2
MRS3010	MRS 2x24	10	0.326	230	120	9	19	5,5	2 x 24	2.5 ÷ 6	1.5 ÷ 6	2



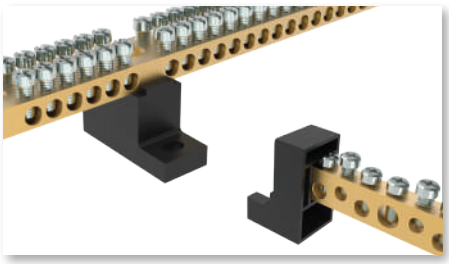


TECHNICAL CHARACTERISTICS

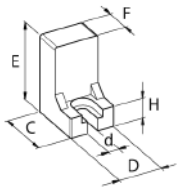
Material: brass
Two rows of outlets with blind holes
Input up to 95 mm²
Universal fixing with 2 eyelet holes:
direct fixing on structure,
fixing on copper bars,
fixing on spacers and joining of 2 connectors.
Complete with M6 fixing screws, M8 screws for eyelet terminals and M5 galvanized steel connection screws.

DOUBLE EARTHING TERMINAL

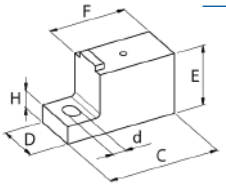
Code	Reference		Weight (kg)	L (mm)	A (mm)	B (mm)	ø holes (mm)	n° holes	Sect. (mm²)	Sect. (mm²)	(Nm)
MRS3500	MRS 2X41	1	0.85	462	13	20	9.1	2 x 1	16 ÷ 35	10 ÷ 35	2
							7.0	2 x 7	4 ÷ 16	2.5 ÷ 16	2
							5.3	2 x 19	2.5 ÷ 6	1.5 ÷ 6	1.5
							4.5	2 x 14	1.5 ÷ 4	0.75 ÷ 4	1.5



MRS7000-MRS7005



MRS7010



TECHNICAL CHARACTERISTICS

Material: polyamide PA 6
Color: black
Self-extinguishing: UL 94-V0
MRS7010: complete with screw terminal block fixing screw

TERMINAL SUPPORTS

Code	Reference		Sect. brass terminal blocks A x B	C (mm)	D (mm)	E (mm)	F (mm)	H (mm)	d (mm)	Compatibility with terminal blocks
MRS7000	MRS-S 9x6	50	9 x 6	22	17.5	31	11	8	4.2	MRS1501
MRS7005	MRS-S 12x8	50	12 x 8	22	17.5	31	11	8	4.2	MRS1506 - MRS4000 MRS4005 - MRS4010
MRS7010	MRS-S 9x19	50	9 x 19	44	19	24	30	7	5.2	MRS3000 - MRS3005 - MRS3010

Cables legend:
Stripped wire
Cable with ferrule

PRODUCTS CONFORMING TO REGULATIONS



THE RANGE - è+AND ADVANTAGES

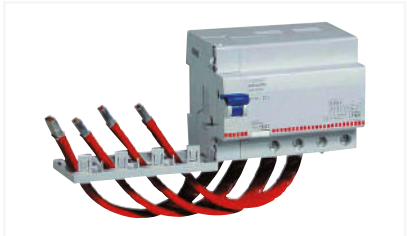
Braided polyester sleeve GPG, GPN, GPV
- made of braided polyester monofilament to form a tubular structure
- for all electric cable wiring applications
- high expandibility value = limited number of references
- excellent resistance to abrasion and to chemical agents
- excellent mechanical protection of conductors
- halogen-free
- GPG and GPN are made of self-extinguishing material UL 94-V2, GPV are made of self-extinguishing material UL 94-V0
- GPG, GPN and GPV conduits can be cut with UTG tools (see page 97)

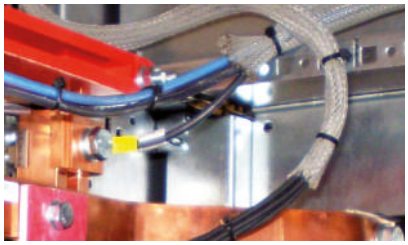
WRAPFLEX Openable braided sleeve GWF
- made of braided polyester monofilament + multifilament
- openable sleeve with "memory effect" for immediate closing back
- allows covering already wired cable bundles
- excellent resistance to abrasion and to chemical agents
- GWF sleeve is made of self-extinguishing material UL 94-V0
- GWF sleeves can be cut with the UTG tools (see page 97)

Fibreglass sheathing coated with silicone rubber: GSL
- made of fiberglass coated with rubber silicone
- for all electric cable wiring applications providing excellent electrical insulation and resistance to high operating temperatures
- good UV resistance
- good expandibility
- impermeable to water
- halogen-free
- good flexibility

Sleeve made of impregnated fiberglass: GFV
- made from woven glass fibre filament to form a tubular structure subsequently impregnated in a water-based varnish
- high resistance to and protection against hot temperature
- good mechanical resistance to abrasion and to chemical agents
- non-flammable
- resistant to thermal shock
- high flexibility

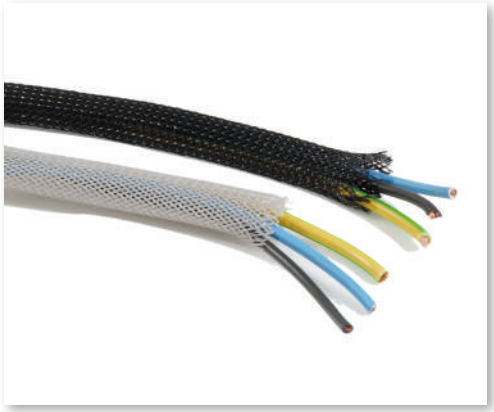
Spiral sleeve: GSP
- made of polyethylene
- allows covering already wired cable bundles







PRODUCTS CONFORMING TO REGULATIONS



TECHNICAL CHARACTERISTICS

Material: polyester, halogen-free
Color: Grey or Black
Self-extinguishing: UL 94-V2
Working temperature: -40 °C ÷ +150 °C
Packaging: coil in cardboard box self-reeling from the center
Cutting tool: UTG tools or scissors

POLYESTER BRAIDED SLEEVE UL 94-V2 - Grey color

Code	Reference		Flat width (mm)	ø min (mm)	ø max (mm)
GPG2001	GPG 04G	100 m	4	1	8
GPG2000	GPG 06G	100 m	6	3	10
GPG2005	GPG 08G	100 m	8	5	17
GPG2010	GPG 10G	100 m	10	7	19
GPG2015	GPG 12G	50 m	14	9	24
GPG2020	GPG 15G	50 m	16	10	27
GPG2025	GPG 20G	50 m	19	14	31
GPG2029	GPG 25G	50 m	25	18	36
GPG2030	GPG 30G	50 m	32	20	56
GPG2034	GPG 35G	50 m	35	30	60
GPG2035	GPG 40G	50 m	38	35	75
GPG2040	GPG 50G	50 m	50	40	80
GPG2045	GPG 64G	25 m	64	45	105

POLYESTER BRAIDED SLEEVE UL 94-V2 - Black color

Code	Reference		Flat width (mm)	ø min (mm)	ø max (mm)
GPN2001	GPN 04N	100 m	4	1	8
GPN2000	GPN 06N	100 m	6	3	10
GPN2005	GPN 08N	100 m	8	5	17
GPN2010	GPN 10N	100 m	10	7	19
GPN2015	GPN 12N	50 m	14	9	24
GPN2020	GPN 15N	50 m	16	10	27
GPN2025	GPN 20N	50 m	19	14	31
GPN2029	GPN 25N	50 m	25	18	36
GPN2030	GPN 30N	50 m	32	20	56
GPN2034	GPN 35N	50 m	35	30	60
GPN2035	GPN 40N	50 m	38	35	75
GPN2040	GPN 50N	50 m	50	40	80
GPN2045	GPN 64N	25 m	64	45	105

PRODUCTS CONFORMING TO REGULATIONS REACH RoHS

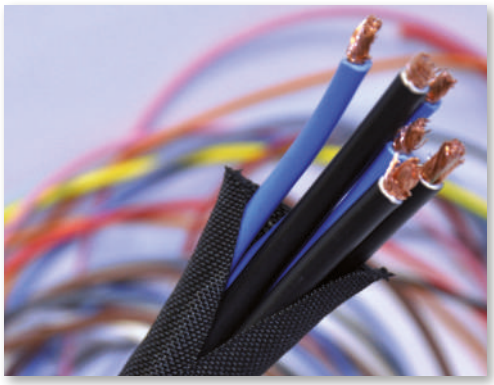


TECHNICAL CHARACTERISTICS

Material: polyester, halogen-free
Color: black with grey identification wire
Self-extinguishing: UL 94-V0
Working temperature: -40 °C ÷ +150 °C
Packaging: coil in cardboard box self-reeling from the center
Cutting tool: UTG tools or scissors

POLYESTER BRAIDED SLEEVE UL 94-V0

Code	Reference		Flat width (mm)	ø min (mm)	ø max (mm)
GPV1000	GPV 06N	100 m	6	3	10
GPV1005	GPV 08N	100 m	8	5	17
GPV1010	GPV 10N	100 m	10	7	19
GPV1015	GPV 12N	50 m	14	9	24
GPV1020	GPV 15N	50 m	16	10	27
GPV1025	GPV 20N	50 m	19	14	31
GPV1030	GPV 30N	50 m	32	20	56
GPV1035	GPV 40N	50 m	38	35	75
GPV1040	GPV 50N	50 m	50	40	80
GPV1045	GPV 64N	25 m	64	45	105



TECHNICAL CHARACTERISTICS

Material: halogen-free polyester monofilament + multifilament
Color: black
Self-extinguishing: UL 94-V0
Working temperature: -40 °C ÷ +125 °C
Self-locking sleeve
Packaging: coil in cardboard box
Cutting tool: UTG tools or scissors

WRAPFLEX SELF-CLOSING POLYESTER SLEEVE UL 94-V0

Code	Reference		Flat width (mm)	ø max (mm)
GWF0995	GWF 05	25 m	28	5
GWF1000	GWF 08	25 m	38	8
GWF1005	GWF 13	25 m	60	13
GWF1010	GWF 19	25 m	100	19
GWF1015	GWF 25	25 m	120	25
GWF1020	GWF 32	15 m	155	32
GWF1025	GWF 38	15 m	180	38
GWF1030	GWF 50	15 m	230	50

PRODUCTS CONFORMING TO REGULATIONS

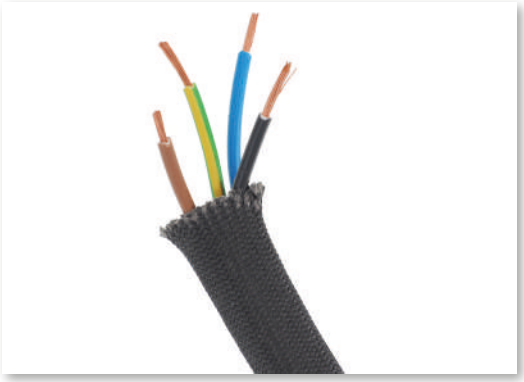


TECHNICAL CHARACTERISTICS

Material: Silicone + internal fiberglass reinforcement
Red: color
Breaking voltage: 2500V
Working temperature: -60 °C ÷ +250 °C
Insulator up to 2500 V
Sleeve according to CEI EN 60684
Good expandibility and elasticity
Good UV resistance
Packaging: coil with transparent film
Cutting tool: scissors

FIBREGLASS COATED WITH SILICONE RUBBER

Code	Reference		Internal ø (mm)
GSL1000	GSL 04	100 m	4
GSL1005	GSL 06	100 m	6
GSL1010	GSL 08	100 m	8
GSL1015	GSL 10	100 m	10
GSL1020	GSL 12	100 m	12
GSL1022	GSL 14	100 m	14
GSL1025	GSL 16	50 m	16
GSL1030	GSL 20	50 m	20
GSL1035	GSL 24	50 m	24
GSL1040	GSL 30	50 m	30



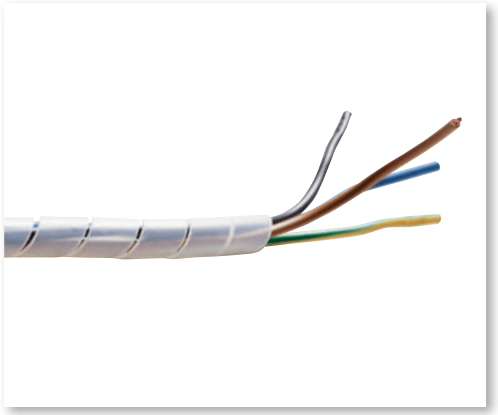
TECHNICAL CHARACTERISTICS

Material: Fibreglass impregnated with water-based paint
Color: black
Breaking voltage: 2500V
Working temperature: -30 °C ÷ +250 °C
Good flexibility
Resistant to most chemical agents
Insulator up to 1000 V
Packaging: coil
Cutting tool: UTG tools or scissors

FIBERGLASS BRAIDED SLEEVE

Code	Reference		Internal ø (mm)
GFV1000	GFV 04	100 m	4
GFV1005	GFV 06	100 m	6
GFV1010	GFV 08	100 m	8
GFV1015	GFV 10	100 m	10
GFV1020	GFV 12	100 m	12
GFV1025	GFV 16	50 m	16
GFV1030	GFV 20	50 m	20

PRODUCTS CONFORMING TO REGULATIONS



TECHNICAL CHARACTERISTICS

Material: polystirene
Color: transparent or black (other colors upon request)
Working temperature: -50 °C ÷ +85 °C
Packaging: coil in plastic bag
Cutting tool: scissors

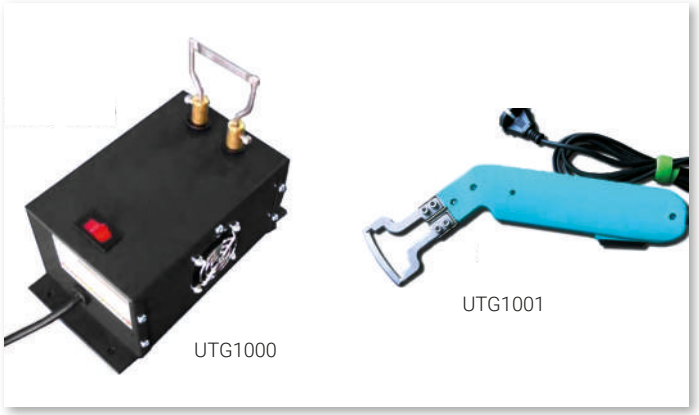
SPIRAL SLEEVE - Transparent color

Code	Reference		Internal ø nom. (mm)	ø min (mm)	ø max (mm)
GSP0995	GSP 04	25 m	3.7	4	8
GSP1000	GSP 06	25 m	4.7	5	12
GSP1002	GSP 09	25 m	7	8	16
GSP1005	GSP 12	25 m	9	10	20
GSP1007	GSP 15	25 m	11	12	24
GSP1010	GSP 20	20 m	13.6	14	30

SPIRAL SLEEVE - Black color

Code	Reference		Internal ø nom. (mm)	ø min (mm)	ø max (mm)
GSP1015	GSP 04N	25 m	3.7	4	8
GSP1020	GSP 06N	25 m	4.7	5	12
GSP1025	GSP 09N	25 m	7	8	16
GSP1030	GSP 12N	25 m	9	10	20
GSP1035	GSP 15N	25 m	11	12	24
GSP1040	GSP 20N	20 m	13.6	14	30

PRODUCTS CONFORMING TO REGULATIONS



TECHNICAL CHARACTERISTICS

Two models to cut braided sleeves
both manual and benchtop
Standard wire cutting and welding
Quick and clean operation
UTG compatible with GPG, GPN, GPV and GWF sleeves

BRAIDED SLEEVE CUTTING TOOL

Code	Reference		Weight (kg)
UTG1000	UTG T	1	1.70
UTG1001	UTG M	1	0.94
UTG1500	UTG T-L	1	blade rec.
UTG1501	UTG M-L	1	blade rec.

UTG1000 hot blade sleeve cutting bench tool

Blade working temperature: +500 °C

Power supply: 230 Volt / 50 Hz
Supply cable: 2 meters
Spare blade UTG1500. Only compatible with the new model UTG1000 KD-9-60.

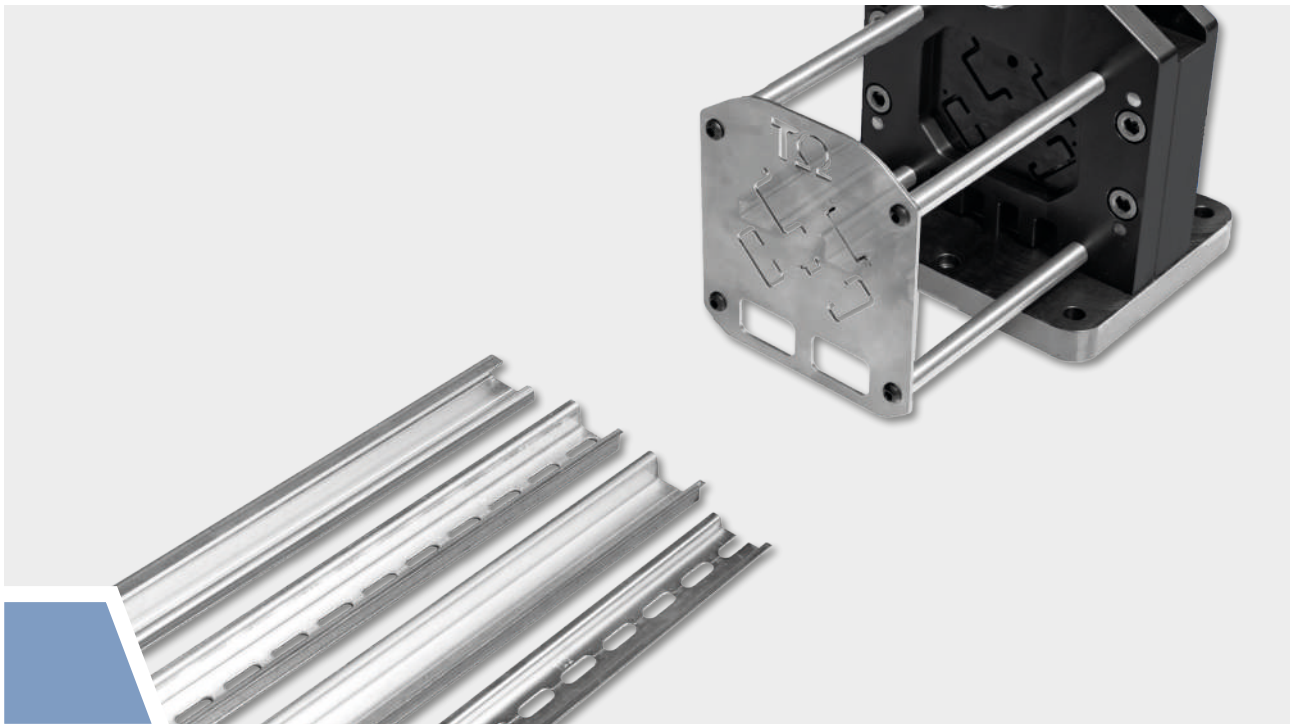
UTG1001 hot blade sleeve cutting hand tool

Blade working temperature: +500 °C

Power supply: 230 Volt / 50 Hz
Supply cable: 2.5 meters
Spare blade UTG1501

PRODUCTS CONFORMING TO REGULATIONS

DIN rails and profiles



DIN RAILS

Steel and/or aluminium DIN rails standardized as per European norms which allows fitting modular electrical devices and others inside electrical panel boards.

Two general DIN rail types:
SYMMETRICAL, also said “Ω”, available in three sizes.
ASYMMETRICAL, also said “G”.

Steel 30 x 15 “C” profile used to make infrastructures inside the electrical panel board and/or as support for equipment or wiring elements.

Profile Symmetrical aluminium non-drilled 35 x 15.

TECHNICAL CHARACTERISTICS

Passivated galvanized steel
Sendzimir galvanized steel
Aluminium
High mechanical resistance
EN 60715 - DIN 46277 Compliant with standards

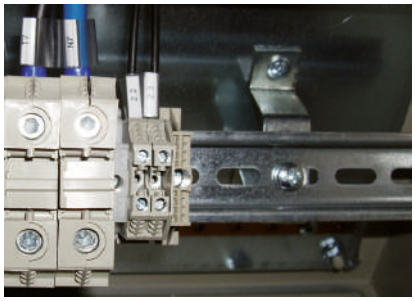
Available in solid and punched versions
Standard length: 2 meters

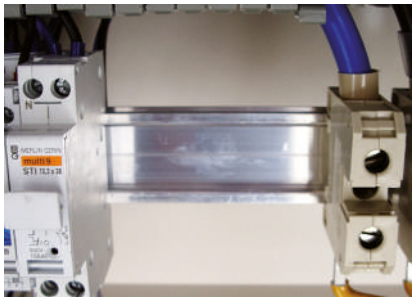
Tools

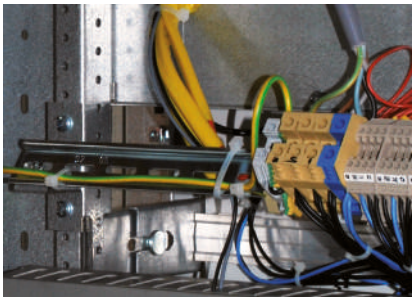
Cutting and punching tools for DIN rail, extremely easy to use. Neat cut without burrs and material waste; supporting rail for accurate cut at 90°, ruler supplied for repeated cuts up to 1000 mm.

Supports and accessories

Wide range of clips and fasteners making it possible to conveniently fasten equipment with no provision for direct fitting on DIN rail and to fasten or space the same rail inside the panel board.

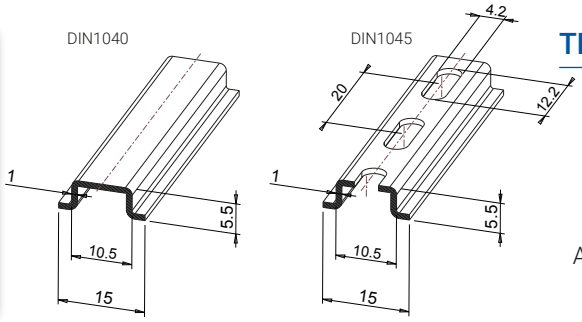






PRODUCTS CONFORMING TO REGULATIONS





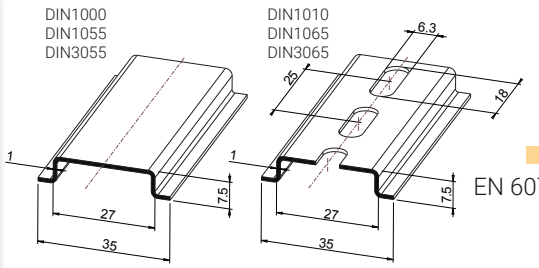
TECHNICAL CHARACTERISTICS

Material: ■ = passivated galvanised DC01 steel, minimum thickness 6µm
EN 60715 - DIN 46277 Compliant with standards
Available in solid and punched versions

Ω-SYMMETRICAL DIN GUIDES, SIZE 15mm x 5.5mm

Code	Reference	Material	Holes	Length (m)		Weight (kg)
DIN1040	DIN NF15H5	■	x	2	20	0.33
DIN1045	DIN F15H5	■	√	2	20	0.33





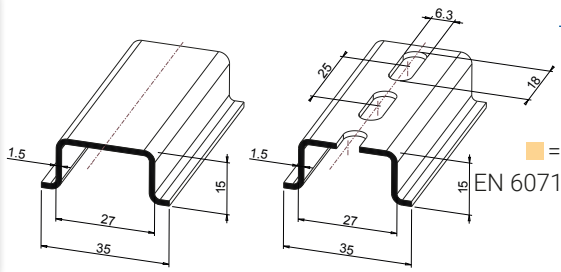
TECHNICAL CHARACTERISTICS

Material: ■ = passivated galvanised DC01 steel, minimum thickness 6µm
■ = galvanised steel DX51D sendzimir Z200
EN 60715 - DIN 46277 Compliant with standards
Available in solid and punched versions

Ω-SYMMETRICAL DIN GUIDES, SIZE 35mm x 7.5mm

Code	Reference	Material	Holes	Length (m)		Weight (kg)
DIN1000	DIN NF35H7	■	x	2	20	0.70
DIN1055	DIN NF35H7Z	■	x	2	20	0.70
DIN3055	DIN NF35H7Z-3	■	x	3	10	1.05
DIN1010	DIN F35H7	■	√	2	20	0.60
DIN1065	DIN F35H7Z	■	√	2	20	0.60
DIN3065	DIN F35H7Z-3	■	√	3	10	0.90





TECHNICAL CHARACTERISTICS

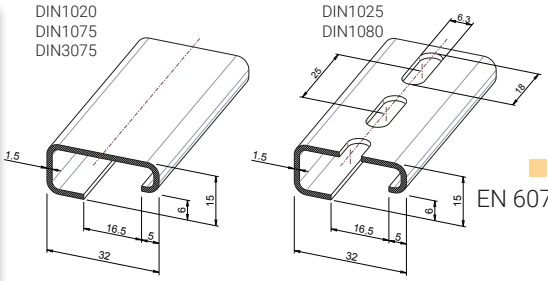
Material: ■ = passivated galvanised DC01 steel, minimum thickness 6µm
■ = galvanised steel DX51D sendzimir Z200
EN 60715 - DIN 46277 Compliant with standards
Available in solid and punched versions

Ω-SYMMETRICAL DIN GUIDES, SIZE 35mm x 15mm

Code	Reference	Material	Holes	Length (m)		Weight (kg)
DIN1005	DIN NF35H15	■	x	2	10	1.34
DIN1060	DIN NF35H15Z	■	x	2	10	1.34
DIN3060	DIN NF35H15Z-3	■	x	3	10	2.01
DIN1015	DIN F35H15	■	√	2	10	1.23
DIN1070	DIN F35H15Z	■	√	2	10	1.23
DIN3070	DIN F35H15Z-3	■	√	3	10	1.84

PRODUCTS CONFORMING TO REGULATIONS



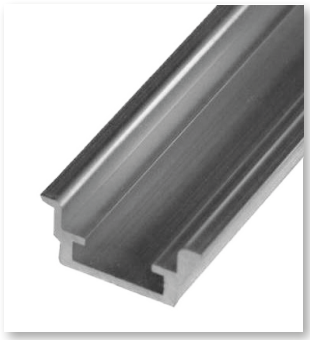


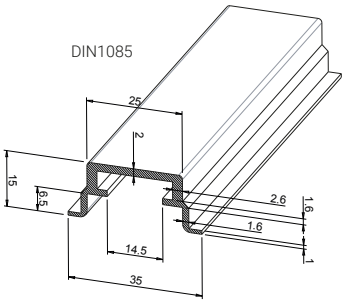
TECHNICAL CHARACTERISTICS

Material: ■ = passivated galvanised DC01 steel, minimum thickness 6µm
■ = galvanised steel DX51D sendzimir Z200
EN 60715 - DIN 46277 Compliant with standards
Available in solid and punched versions

Ω- SYMMETRICAL "G" DIN GUIDES, SIZE 32mm x 15mm

Code	Reference	Material	Holes	Length (m)		Weight (kg)
DIN1020	DIN GNF	■	x	2	10	1.46
DIN1075	DIN ANFZ	■	x	2	10	1.46
DIN3075	DIN ANFZ-3	■	x	3	10	2.19
DIN1025	DIN GF	■	√	2	10	1.38
DIN1080	DIN AFZ	■	√	2	10	1.38





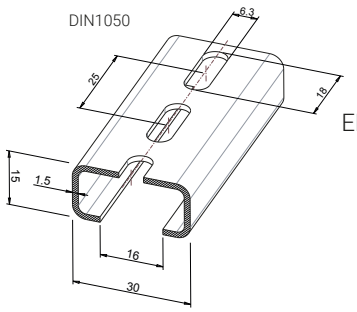
TECHNICAL CHARACTERISTICS

Material: ■ = En AW-AlMgSi- UNI EN 573/3 Al 6060 T6
EN 60715 - DIN 46277 Compliant with standards

SYMMETRICAL NON-DRILLED ALUMINIUM DIN RAIL, DIMENSIONS 35mm x 15mm

Code	Reference	Material	Lenght (m)		Weight (kg)
DIN1085	DIN NFAL	■	2	20	0,66





TECHNICAL CHARACTERISTICS

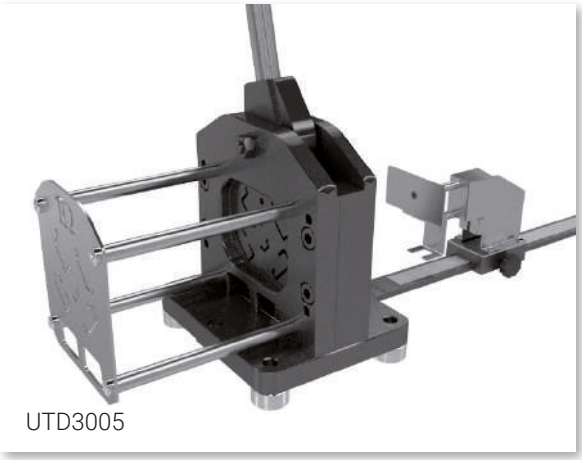
Material: ■ = Passivated galvanized steel minimum thickness 6µm
EN 60715 - DIN 46277 Compliant with standards

PASSIVATED GALVANISED STEEL PERFORATED C-PROFILE, SIZE 30mm x 15mm

Code	Reference	Material	Lenght (m)		Weight (kg)
DIN1050	CFT30H15	■	2	10	1,3

PRODUCTS CONFORMING TO REGULATIONS


UTD3002


UTD3005

TECHNICAL CHARACTERISTICS

Cutting and punching of standardised rails and profiles.
Cutting is carried out without generating scrap or deformation of the bar and it is clean and right-angled.

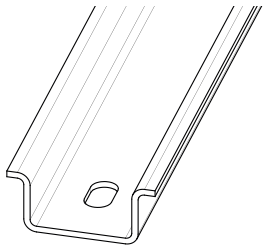
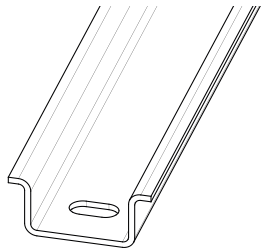
DIN RAIL CUTTING TOOL

Code	Reference		Weight (kg)
UTD3002	UTD-T-02	1	9
UTD3005	UTD-T-P-03	1	16,5

UTD3002
For cutting:
Symmetrical DIN rail types "Ω" 35x7,5 - 35x15

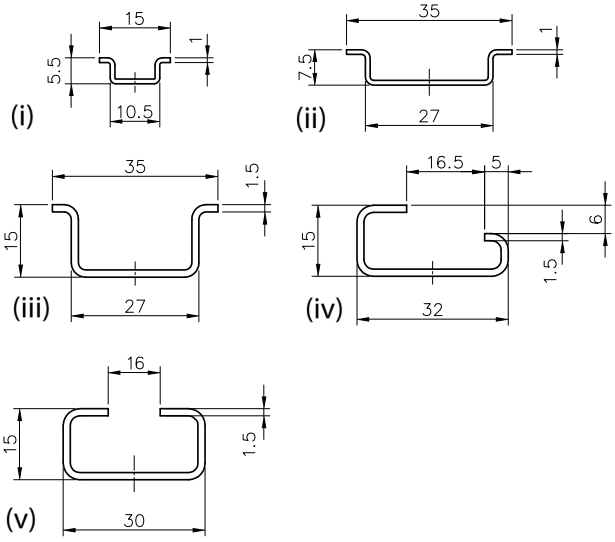
UTD3005
For cutting:
Symmetrical DIN rail types "Ω" 15x5,5 - 35x7,5 - 35x15, Asymmetrical DIN rail type "G" 32x15 and Profile type "C" 30x15.

Punching with elongated hole:
Symmetrical DIN rail types "Ω" 35x7,5 - 35x15.
Elongated hole 12x6,4 mm longitudinal or perpendicular to the length of the rail.

Punching	
Longitudinal	Perpendicular
	

Supplied with meter ruler up to 1000 mm.

Profile		Processing	
Description	Ref.	UTD3002	UTD3005
Tipo Ω 15 x 5.5	i	-	Cutting
Tipo Ω 35 x 7.5	ii	Cutting	Cutting - punching
Tipo Ω 35 x 15	iii	Cutting	Cutting - punching
Tipo G 32 x 15	iv	-	Cutting
Tipo C 30 x 15	v	-	Cutting



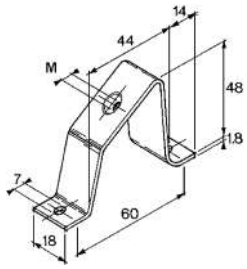
Note:
- Use with DIN rails not included in the TEKNOMEGA catalogue is not guaranteed.
- For maintenance instructions, see Instruction and Operating Instructions.

PRODUCTS CONFORMING TO REGULATIONS

DIN Rail Supports

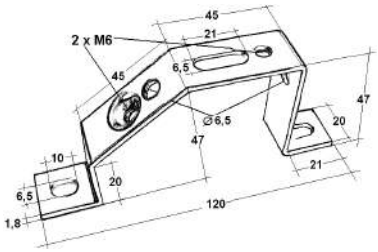


DIN1030
DIN1035



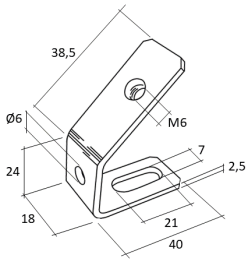


DIN1036





DIN1037



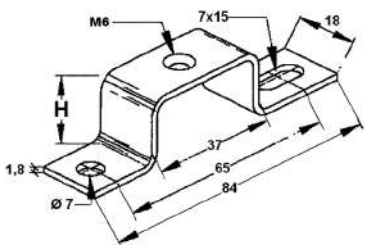
TECHNICAL CHARACTERISTICS

Material: passivated galvanized steel

45° SUPPORTS

Code	Reference		M
DIN1030	DIN ST5	10	M5
DIN1035	DIN ST6	10	M6
DIN1036	DIN ST 45PM6	10	M6
DIN1037	DIN STA 6	10	M6





TECHNICAL CHARACTERISTICS

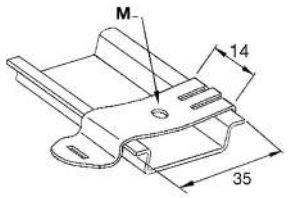
Material: passivated galvanized steel

FLAT SUPPORTS

Code	Reference		H (mm)
DIN1120	DIN STC 20-6	10	20
DIN1125	DIN STC 25-6	10	25
DIN1130	DIN STC 30-6	10	30
DIN1135	DIN STC 40-6	10	40
DIN1140	DIN STC 50-6	10	50
DIN1145	DIN STC 70-6	10	70
DIN1150	DIN STC 90-6	10	90

PRODUCTS CONFORMING TO REGULATIONS





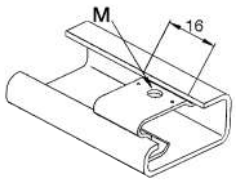
TECHNICAL CHARACTERISTICS

Material: nickel-plated steel
Clips compatible with guides
SYMMETRICAL DIN A "Ω" 35x7.5 35x15

CLIP FOR SYMMETRICAL DIN RAIL

Code	Reference		M
DIN1110	DIN KLIP 4	100	M4
DIN1115	DIN KLIP 5	100	M5
DIN1117	DIN KLIP 6	100	M6





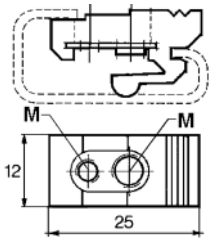
TECHNICAL CHARACTERISTICS

Material: nickel-plated steel
Clips compatible with ASYMMETRIC "G" DIN rails 32x15

CLIP FOR ASYMMETRICAL DIN RAIL

Code	Reference		M
DIN1090	DIN GKLIP 4	100	M4
DIN1095	DIN GKLIP 5	100	M5





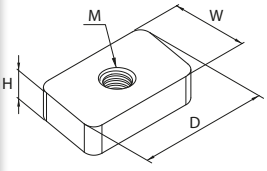
TECHNICAL CHARACTERISTICS

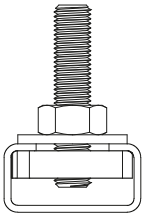
Material: polyamide 6.6 with insert
Passivated galvanized steel
Clips compatible with ASYMMETRIC "G" DIN rails 32x15

CLIP FOR ASYMMETRICAL DIN RAIL

Code	Reference		M
DIN1100	DIN GKLIP 3-5	100	M3 - M5
DIN1105	DIN GKLIP 4-6	100	M4 - M6







TECHNICAL CHARACTERISTICS

Material: DD11 steel EN10111
Electrogalvanized 7-8 µm

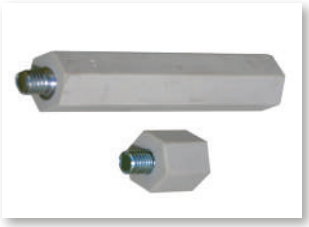
ADVANTAGES

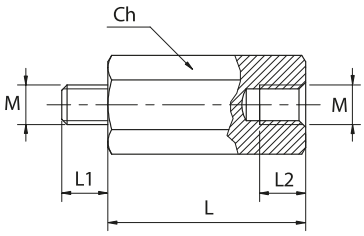
It can be inserted into any point of the by 90° rotation
Non-slip knurled finish on the side in contact with the profile

RHOMBUS NUTS FOR C-PROFILE

Code	Reference		D (mm)	W (mm)	H (mm)	M	(Nm)
DIN1200	DIN C30M6	10	27	16	4	M6	5
DIN1250	DIN C30M8	10	27	16	6	M8	20

PRODUCTS CONFORMING TO REGULATIONS





TECHNICAL CHARACTERISTICS

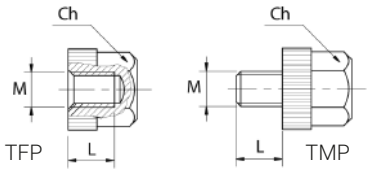
Material: polystirene
Self-extinguishing: UL 94-HB
Working temperature: -40 °C ÷ +110 °C
Insulation voltage: 1000V
M-F spacers: passivated galvanised steel

PLASTIC SPACERS

Code	Reference		(m)	Ch (mm)	L (mm)	L1 (mm)	L2 (mm)
DZP1005	DZP 15M5	50	M5	13	15	7	7
DZP1010	DZP 20M5	50	M5	13	20	7	7
DZP1015	DZP 30M5	50	M5	13	30	7	7
DZP1020	DZP 45M5	50	M5	13	45	7	7
DZP1025	DZP 55M5	50	M5	13	55	7	7
DZP1030	DZP 70M5	50	M5	13	70	7	7
DZP1035	DZP 85M5	50	M5	13	85	7	7

Code	Reference		(m)	Ch (mm)	L (mm)	L1 (mm)	L2 (mm)
DZP1040	DZP 120M5	50	M5	13	120	7	7
DZP1045	DZP 15M6	50	M6	13	15	7	7
DZP1050	DZP 20M6	50	M6	13	20	7	7
DZP1055	DZP 30M6	50	M6	13	30	7	7
DZP1060	DZP 45M6	50	M6	13	45	7	7
DZP1065	DZP 70M6	50	M6	13	70	7	7
DZP1070	DZP 120M6	50	M6	13	120	7	7





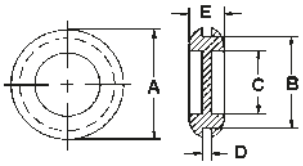
TECHNICAL CHARACTERISTICS

Material: polystirene
Self-extinguishing: UL 94-HB
Working temperature: -40 °C ÷ +110 °C
Insulation voltage: 1000V
M-F spacers: passivated galvanised steel

PLASTIC CAPS

Code	Reference		(m)	Ch (mm)	L (mm)
TFP1000	TFP M5	50	M5	11	8
TFP1005	TFP M6	50	M6	11	8
TMP1010	TMP M5	50	M5	11	8
TMP1015	TMP M6	50	M6	11	8





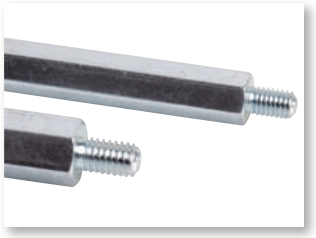
TECHNICAL CHARACTERISTICS

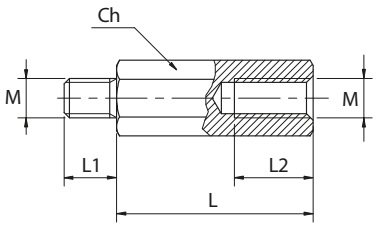
Material: PVC Black color
Working Temperature: -20 °C ÷ +90 °C
Flammability class: UL 94-HB

GROMMET INSERTS

Code	Reference		A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
IPC1000	IPC DF13	100	17	13	8.5	2	7
IPC1005	IPC DF15,5	100	20	15.5	10.5	2	7.5
IPC1010	IPC DF19	100	24	19	14	2	8
IPC1015	IPC DF20,5	100	26	20.5	15	2	8.5
IPC1020	IPC DF23	100	29	23	18	2.5	8.5
IPC1025	IPC DF28,5	100	35	28.5	22	2.5	9
IPC1030	IPC DF37,5	100	44	37.5	32	2.5	9.5
IPC1035	IPC DF47,5	100	53	47.5	40	2.5	9.5

PRODUCTS CONFORMING TO REGULATIONS





TECHNICAL CHARACTERISTICS

Material: steel with electrolytic cold galvanisation
Hexagonal profile
M-F (Male-Female) thread
M3 - M4 - M5 - M6 - M8

STEEL SPACERS

Code	Reference		Ch (mm)	L (mm)	(m)	L1 (mm)	L2 (mm)
DZM0995	DZM 20M3	100	6	20	M3	6	10
DZM1000	DZM 10M4	100	7	10	M4	8	7
DZM1005	DZM 15M4	100	7	15	M4	8	10
DZM1010	DZM 20M4	100	7	20	M4	8	10
DZM1015	DZM 25M4	100	7	25	M4	8	10
DZM1020	DZM 30M4	100	7	30	M4	8	10
DZM1025	DZM 35M4	100	7	35	M4	8	10
DZM1030	DZM 40M4	100	7	40	M4	8	10
DZM1035	DZM 50M4	100	7	50	M4	8	10
DZM1040	DZM 60M4	50	7	60	M4	8	10
DZM1042	DZM 70M4	50	7	70	M4	8	10
DZM1044	DZM 90M4	50	7	90	M4	8	10
DZM1093	DZM 10M5	100	8	10	M5	8	6
DZM1045	DZM 15M5	100	8	15	M5	8	9
DZM1050	DZM 20M5	100	8	20	M5	8	10
DZM1055	DZM 25M5	100	8	25	M5	8	10
DZM1060	DZM 30M5	100	8	30	M5	8	10
DZM1065	DZM 35M5	100	8	35	M5	8	10
DZM1070	DZM 40M5	100	8	40	M5	8	10
DZM1075	DZM 50M5	50	8	50	M5	8	10
DZM1080	DZM 60M5	50	8	60	M5	8	10
DZM1085	DZM 70M5	50	8	70	M5	8	10
DZM1090	DZM 80M5	50	8	80	M5	8	10
DZM1092	DZM 90M5	50	8	90	M5	8	10
DZM1095	DZM 10M6	100	10	10	M6	10	6
DZM1100	DZM 15M6	100	10	15	M6	10	10
DZM1105	DZM 20M6	100	10	20	M6	10	12
DZM1106	DZM 25M6	100	10	25	M6	10	12
DZM1110	DZM 30M6	100	10	30	M6	10	12
DZM1115	DZM 40M6	50	10	40	M6	10	12
DZM1120	DZM 50M6	50	10	50	M6	10	12
DZM1125	DZM 60M6	50	10	60	M6	10	12
DZM1130	DZM 70M6	50	10	70	M6	10	12
DZM1135	DZM 80M6	50	10	80	M6	10	12
DZM1140	DZM 90M6	25	10	90	M6	10	12
DZM1145	DZM 100M6	25	10	100	M6	10	12
DZM1150	DZM 20M8	50	13	20	M8	14	14
DZM1155	DZM 25M8	50	13	25	M8	14	14
DZM1160	DZM 30M8	50	13	30	M8	14	14
DZM1165	DZM 40M8	25	13	40	M8	14	14
DZM1170	DZM 50M8	25	13	50	M8	14	14
DZM1175	DZM 70M8	25	13	70	M8	14	14

PRODUCTS CONFORMING TO REGULATIONS

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BAP		
BAP2000	BAP 20x10x2000	40
BAP2005	BAP 30x10x2000	40
BAP2010	BAP 40x10x2000	40
BAP2015	BAP 50x10x2000	40
BAP2020	BAP 60x10x2000	40
BAP2025	BAP 80x10x2000	40
BAP2030	BAP 100x10x2000	40
BAP2035	BAP 120x10x2000	40
BAP4000	BAP 20x10x4000	40
BAP4005	BAP 30x10x4000	40
BAP4010	BAP 40x10x4000	40
BAP4015	BAP 50x10x4000	40
BAP4020	BAP 60x10x4000	40
BAP4025	BAP 80x10x4000	40
BAP4030	BAP 100x10x4000	40
BAP4035	BAP 120x10x4000	40
BOC		
BOC1000	BOC RIP 8	42
BOC1005	BOC KIT 8-5	42
BOC1010	BOC KIT 8-10	42
BOC3000	BOC-8X-550	41
BOC3010	BOC-11X-460	41
BRF		
BRF0990	BRF 12X2X1000	37
BRF0995	BRF 12X3X1000	37
BRF1000	BRF 12X4X1000	37
BRF1005	BRF 12X5X1000	37
BRF1010	BRF 15X5X1000	37
BRF1015	BRF 20X5X1000	37
BRF1016	BRF 25X4X1000	37
BRF1017	BRF 25X5X1000	37
BRF1020	BRF 32X5X1000	37
BRF1025	BRF 12X4X2000	37
BRF1030	BRF 15X5X2000	37
BRF1031	BRF 15X5X2000 PC	37
BRF1035	BRF 20X5X2000	37
BRF1036	BRF 20X5X2000 PC	37
BRF1037	BRF 25X5X2000	37
BRF1040	BRF 30X5X2000	37
BRF1041	BRF 32X5X2000-W	37
BRF1042	BRF 32X5X2000	37
BRF1045	BRF 30X10X1000	37
BRF1047	BRF 30X10X2000	37
BRP		
BRP1000	BRP 25X5	38
BRP1005	BRP 50X5	38
BRP1010	BRP 63X5	38
BRP1015	BRP 80X5	38
BRP1020	BRP 100X5	38
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BRP1045	BRP 100X10	38
BRP1050	BRP 120X10	38

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CFX1005	CFX 3X9X0,8	15
CFX1020	CFX 6X9X0,8	15
CFX1021	CFX 9X9X0,8	15
CFX1022	CFX 3X13X0,5	15
CFX1023	CFX 6X13X0,5	15
CFX1024	CFX 10X13X0,5	15
CFX1025	CFX 2X15,5X0,8	15
CFX1026	CFX 4X13X0,5	15
CFX1035	CFX 4X15,5X0,8	15
CFX1045	CFX 6X15,5X0,8	15
CFX1050	CFX 10X15,5X0,8	15
CFX1055	CFX 2X20X1	15
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CFX1065	CFX 4X20X1	15
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CFX1260	CFX 5X80X1	15
CFX1265	CFX 6X80X1	15

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CFX1270	CFX 8X80X1	15
CFX1275	CFX 10X80X1	15
CFX1280	CFX 4X100X1	15
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CFX1290	CFX 6X100X1	15
CFX1295	CFX 8X100X1	15
CFX1300	CFX 10X100X1	15
CFX1305	CFX 12X100X1	15
CFX3005	CFX 3X9X0,8-3	16
CFX3055	CFX 2X20X1-3	16
CFX3060	CFX 3X20X1-3	16
CFX3065	CFX 4X20X1-3	16
CFX3070	CFX 5X20X1-3	16
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CFX5290	CFP 6X100X1	19
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CPH2048	CPH 35M10W	62
CPH2050	CPH 40M6	62
CPH2055	CPH 40M8	62
CPH2060	CPH 40M10	62
CPH2065	CPH 45M6	62
CPH2070	CPH 45M8	62
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CPH2085	CPH 50M8	62
CPH2090	CPH 50 M10	62
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CPH2095	CPH 60M8	62

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CPH2100	CPH 60M10	62
CPH2101	CPH 70M10	62
CPH2102	CPH 65M10	62
CPH2103	CPH 70M12	62
CPH2104	CPH 75M10	62
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CPH2530	CLH 25M5-20	63
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CPH2540	CLH 25M8-20	63
CPH2545	CLH 30M6-20	63
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CPH2555	CLH 35M6-20	63
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CPH2615	CLH 35M8-30	63
CPH2620	CLH 40M8-30	63
CPH2625	CLH 45M8-30	63
CPH2630	CLH 50M6-30	63
CPH2635	CLH 50M8-30	63
CPH2640	CLH 55M6-30	63
CPH2645	CLH 55M8-30	63
CPH2650	CLH 65M6-30	63
CPH2655	CLH 65M8-30	63
CPH2660	CLH 70M6-30	63
CPH2665	CLH 70M8-30	63

DIN		
DIN1000	DIN NF35H7	99
DIN1005	DIN NF35H15	99
DIN1010	DIN F35H7	99
DIN1015	DIN F35H15	99
DIN1020	DIN GNF	100
DIN1025	DIN GF	100
DIN1030	DIN ST5	102
DIN1035	DIN ST6	102
DIN1036	DIN ST 45PM6	102
DIN1037	DIN STA 6	102
DIN1040	DIN NF15H5	99
DIN1045	DIN F15H5	99
DIN1050	CFT30H15	100
DIN1055	DIN NF35H7Z	99
DIN1060	DIN NF35H15Z	99
DIN1065	DIN F35H7Z	99

Code	Reference	Page
DIN1070	DIN F35H15Z	99
DIN1075	DIN ANFZ	100
DIN1080	DIN AFZ	100
DIN1085	DIN NFAL	100
DIN1090	DIN GKLIP 4	103
DIN1095	DIN GKLIP 5	103
DIN1100	DIN GKLIP 3-5	103
DIN1105	DIN GKLIP 4-6	103
DIN1110	DIN KLIP 4	103
DIN1115	DIN KLIP 5	103
DIN1117	DIN KLIP 6	103
DIN1120	DIN STC 20-6	102
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DIN1135	DIN STC 40-6	102
DIN1140	DIN STC 50-6	102
DIN1145	DIN STC 70-6	102
DIN1150	DIN STC 90-6	102
DIN1200	DIN C30M6	103
DIN1250	DIN C30M8	103
DIN3055	DIN NF35H7Z-3	99
DIN3060	DIN NF35H15Z-3	99
DIN3065	DIN F35H7Z-3	99
DIN3070	DIN F35H15Z-3	99
DIN3075	DIN ANFZ-3	100

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DZM1000	DZM 10M4	105
DZM1005	DZM 15M4	105
DZM1010	DZM 20M4	105
DZM1015	DZM 25M4	105
DZM1020	DZM 30M4	105
DZM1025	DZM 35M4	105
DZM1030	DZM 40M4	105
DZM1035	DZM 50M4	105
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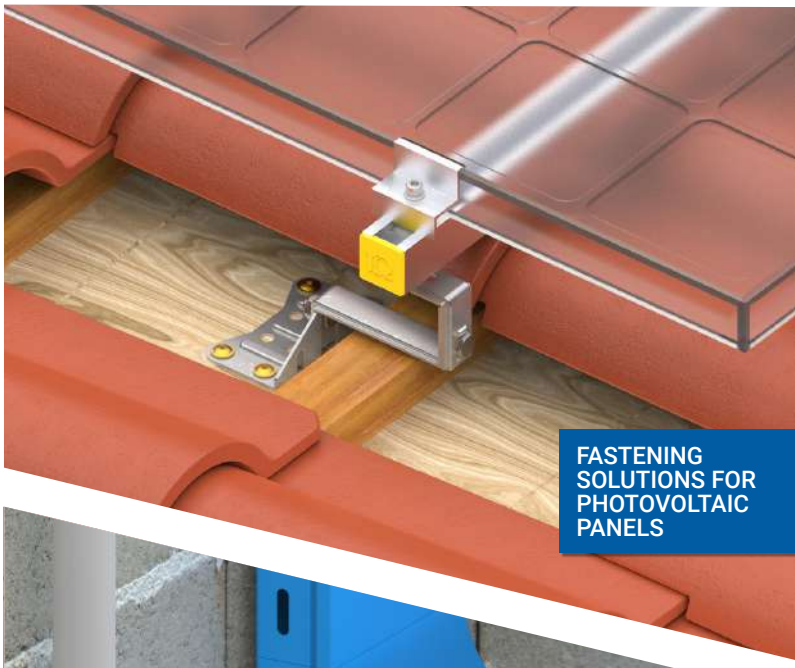
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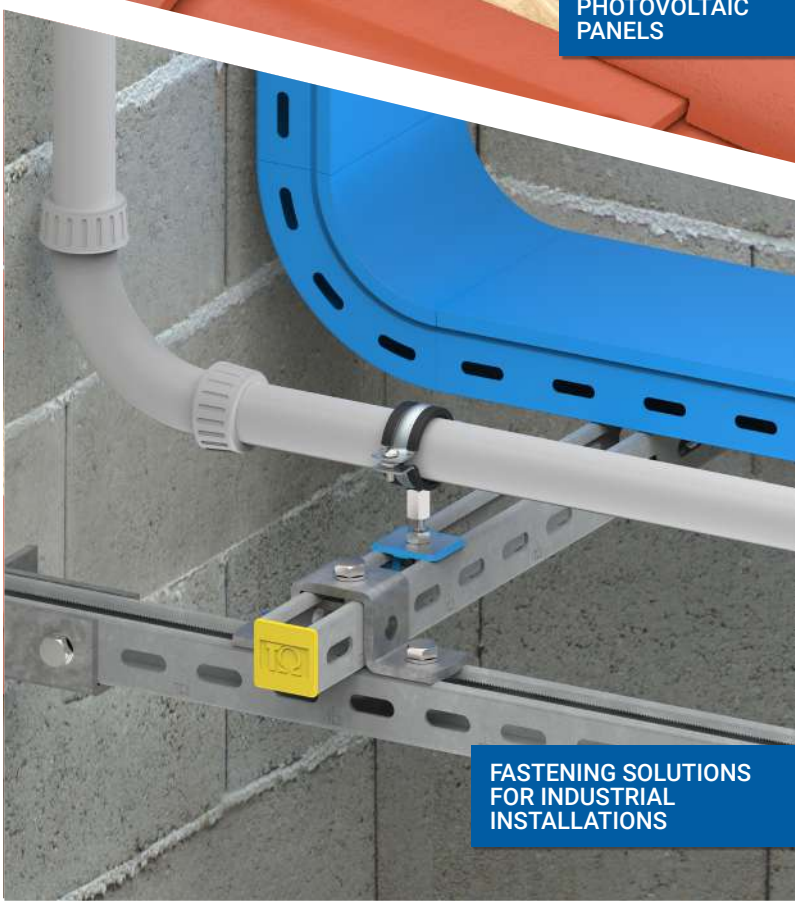


Manufacturing plant Piacenza (IT)
www.teknomega.it



Spanish Branch Barcelona (ES)
www.teknomega.es





Request our catalogue at:
info@teknomega.it

TEKNOMEGA S.r.l.
Via Archimede, 1 | 20094 Corsico (MI)
Tel.: +39-0248844281
info@teknomega.it - www.teknomega.it

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Teknomega s.r.l.
Via Archimede, 1 - 20094 Corsico (MI)
Tel. +39 02 48844281
e-mail: info@teknomega.it
www.teknomega.it
Vat nb: IT 04232250961

