

Technical data

Home distribution board DIDO-E

Technical data

Degree of protection	IP 40*
Colour	white
Double insulation	
Standard	IEC 62208, IEC 60670-1, IEC 60670-24
Installation temperature	-25° / +60°C
Glow wire test	650°C

*IP 30 for EC 1+1, 3+1, 3+2, ECGxxMEDIA

Number of N - PE terminals (1,5...16mm²):

ECT/ECM4PT/PO	2x4	4 PE / 4 N
ECT/M8PT/PO	2x8	8 PE / 8 N
ECT/M12PT/PO	2x10	10 PE / 10 N
ECT/M18PT/PO	2x13	13 PE / 13 N
ECT/M24PT/PO	2x13	13 PE / 13 N
ECT/M36PT/PO	2x15	15 PE / 15 N
ECT48PT/PO	2x20	20 PE / 20 N
ECT/M 2x18PT/PO	2x15	15 PE / 15 N
ECT/M 3x18PT/PO	2x25	25 PE / 25 N
ECT 4x18PT/PO	2x30	30 PE / 30 N
ECT 1x24PT/PO	2x13	13 PE / 13 N
ECG14	2x10	10 PE / 10 N
ECG28	2x13	13 PE / 13 N
ECG42	2x15	15 PE / 15 N
ECG56	2x20	20 PE / 20 N
ECG70	2x30	30 PE / 30 N
EC 1+1	-	
EC 3+1	-	
EC 3+2	2x4	4 PE / 4 N

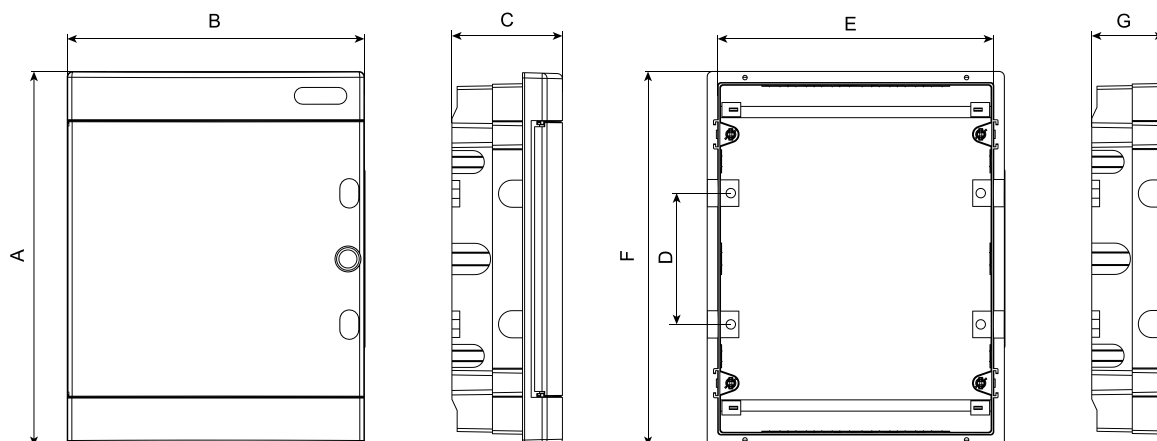
- ECG14, ECG28, ECG42 have 1 additional free space to build in an extra PST-UNI terminal.

- ECG56 and ECG70 have no extra space for PST-UNI terminals.

- Double insulation not valid for ECG MEDIA

Flush mounted distribution board

type	Dimensions							Max. allowed power losses when Max. number of devices are installed Pde	Static load
	A	B	C	D	E	F	G		
ECM4PT/ECM4PO	232 mm	139 mm	99 mm	-	123 mm	216 mm	69 mm	>10 W	520 g
ECM8PT/ECM8PO	232 mm	211 mm	99 mm	-	201 mm	212 mm	68 mm	>16 W	1040 g
ECM12PT/ECM12PO	232 mm	283 mm	106 mm	-	273 mm	212 mm	68 mm	>25 W	1560 g
ECM18PT/ECM18PO	232 mm	392 mm	106 mm	-	382 mm	212 mm	68 mm	>25 W	2340 g
ECM24PT/ECM24PO	357 mm	283 mm	106 mm	125 mm	273 mm	336 mm	68 mm	>30 W	1560 g
ECM36PT/ECM36PO	482 mm	283 mm	106 mm	125 mm	273 mm	462 mm	68 mm	>30 W	1560 g
ECM2x18PT/ECM2x18PO	357 mm	392 mm	106 mm	125 mm	382 mm	336 mm	68 mm	>30 W	2340 g
ECM3x18PT/ECM3x18PO	522 mm	392 mm	106 mm	125 mm	382 mm	502 mm	68 mm	>35 W	2340 g

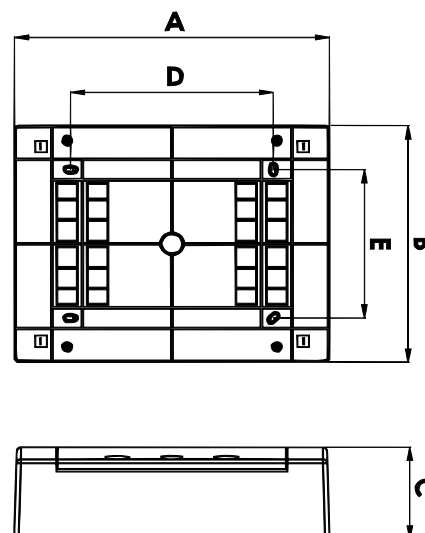


Surface mounted distribution board

type	Dimensions**					Pde*	Static load
	A	B	C	D	E		
ECT4PT/ECT4PO	235 mm	143 mm	98 mm	127 mm	46 mm	10 W	520 g
ECT8PT/ECT8PO	236 mm	215 mm	102 mm	107 mm	120 mm	16 W	1040 g
ECT12PT/ECT12PO	236 mm	287 mm	112 mm	107 mm	180 mm	25 W	1560 g
ECT18PT/ECT18PT	236 mm	396 mm	112 mm	107 mm	289 mm	25 W	2340 g
ECT24PT/ECT24PO	361 mm	287 mm	112 mm	232 mm	180 mm	30 W	1560 g
ECT36PT/ECT36PO	485 mm	287 mm	112 mm	357 mm	180 mm	30 W	1560 g
ECT48PT/ECT48PO	652 mm	287 mm	112 mm	482 mm	180 mm	35 W	1560 g
ECT2x18PT/ECT2x18PO	361 mm	396 mm	112 mm	232 mm	289 mm	30 W	2340 g
ECT3x18PT/ECT3x18PO	526 mm	396 mm	112 mm	357 mm	289 mm	35 W	2340 g
ECT4x18PT/ECT4x18PO	651 mm	396 mm	112 mm	357 mm	289 mm	40 W	2340 g
ECT1x24PT/ECT1x24PO	236 mm	503 mm	112 mm	107 mm	396 mm	30 W	2340 g

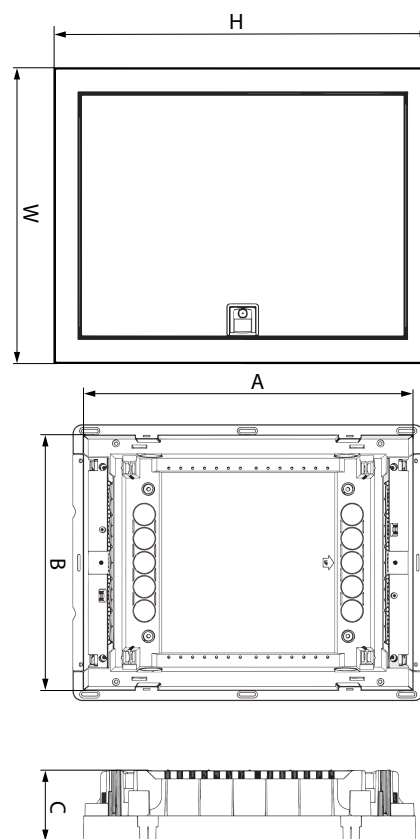
* Max. allowed power losses when Max. number of devices are installed

**Sizes are also valid for IT distribution boards DIDO-E MEDIA: ECT...MEDIA



Flush mounted distribution board

type	Dimensions					Max. allowed power losses when Max. number of devices are installed Pde
	A	B	C	H	W	
ECG14	274 mm	306 mm	87 mm	317 mm	346 mm	31 W
ECG28	399 mm	306 mm	87 mm	442 mm	346 mm	40 W
ECG42	549 mm	306 mm	87 mm	592 mm	346 mm	50 W
ECG56	673 mm	306 mm	87 mm	717 mm	346 mm	60 W
ECG70	799 mm	306 mm	87 mm	842 mm	346 mm	70 W



Surface mounted distribution board - IP30

type	Dimensions	Number of modules
EC 1+1	137 x 51 x 57	1 (+1)
EC 3+1	137 x 87 x 57	3 (+1)
EC 3+2	97 x 155 x 57	3 (+2)

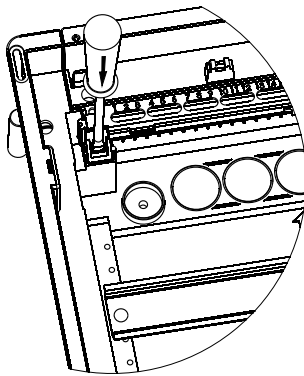
ECG

Material	Acrylonitrile butadiene styrene
Color	RAL9003
Door	Acrylonitrile butadiene styrene
Color	Transparent & white
Glow wire test	650°C
Terminal holder	Self extinguish material (Glow wire test: 960°C)
Temperature	-25°C ... +60°C
Rated voltage	AC400V
Standard	IEC 62208, IEC 60670-1, IEC 60670-24
Halogen free	✓

ECG_H

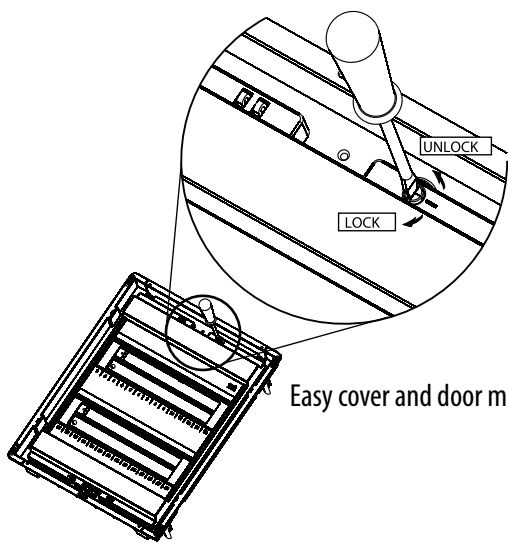
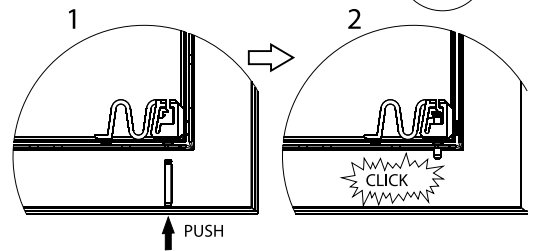
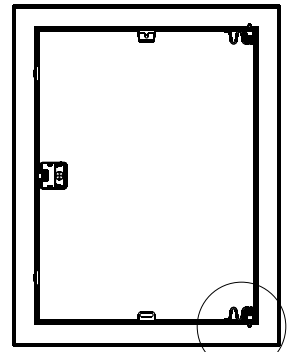
Material	Acrylonitrile butadiene styrene
Color	RAL9003
Door	Metal
Color	white
Glow wire test	850°C
Terminal holder	Self extinguish material (Glow wire test: 960°C)
Temperature	-25°C ... +60°C
Rated voltage	AC400V
Standard	IEC 62208, IEC 60670-1, IEC 60670-24
Halogen free	✓

Advantages

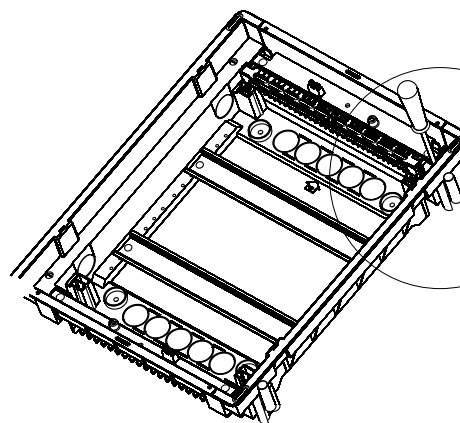


Easy terminal mounting

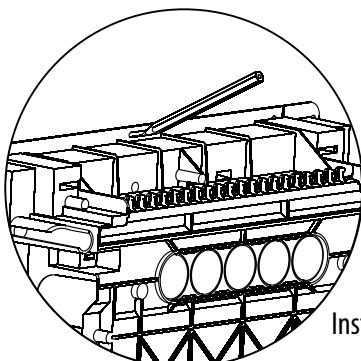
Left or right door mounting



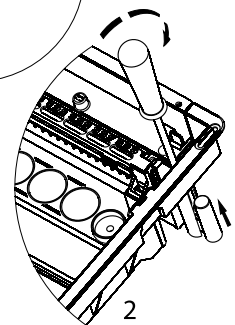
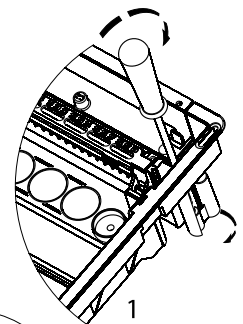
Easy cover and door mounting

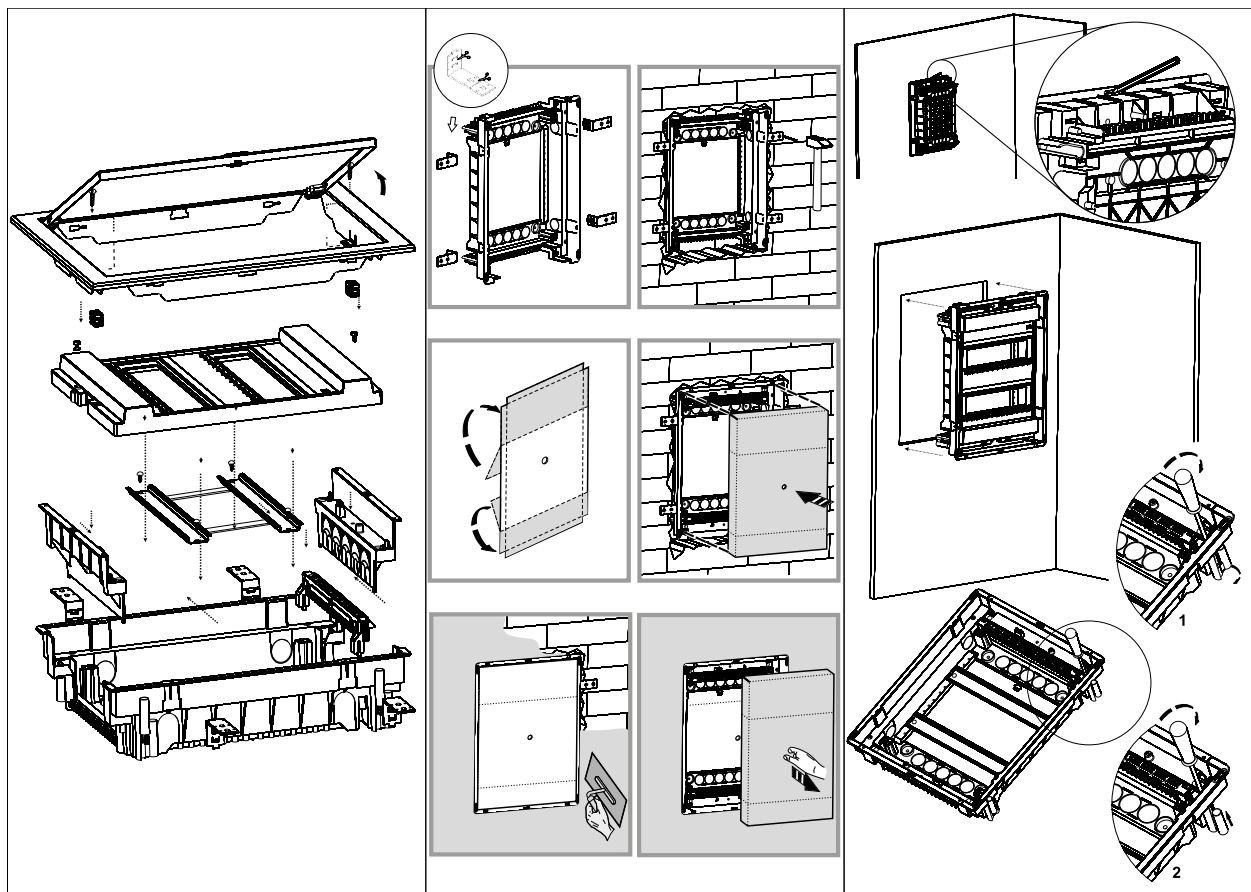


Holders for secure hollow wall installation



Installation marking slots for hollow walls





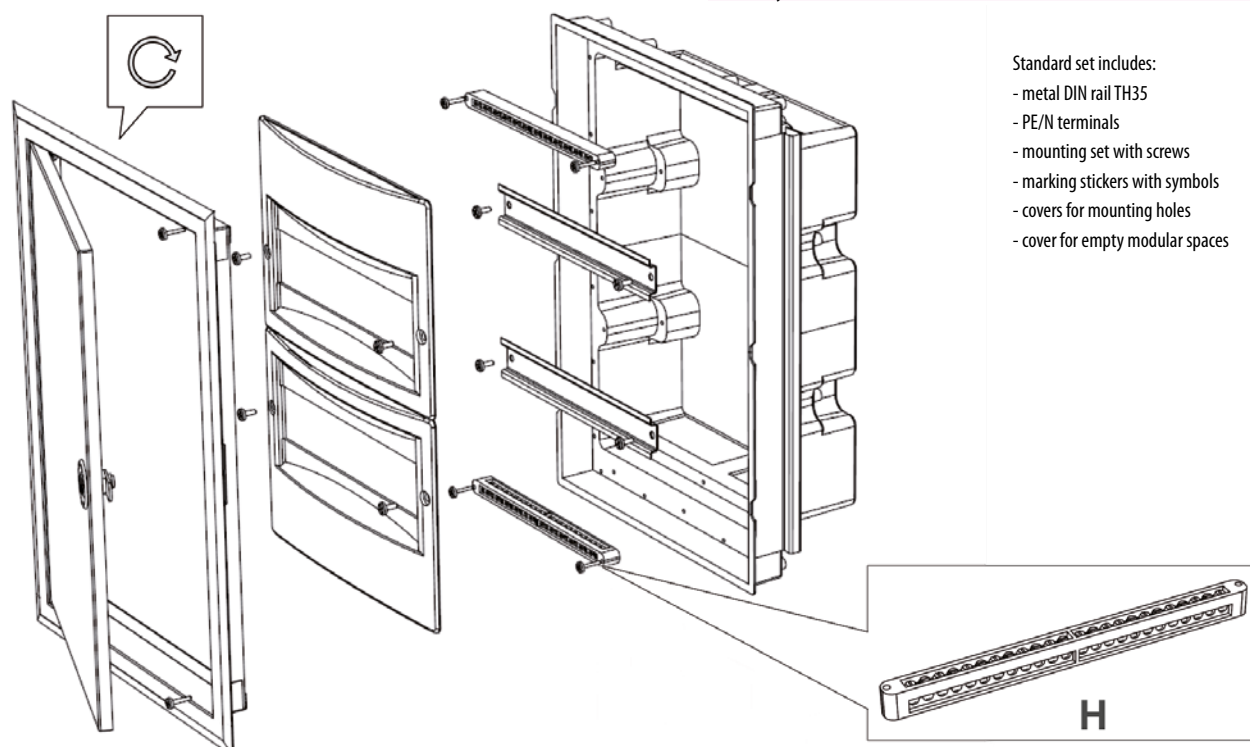
Flush mounted distribution boards with metal doors (IP40) DIDO ERP

Technical data

Protection against mechanical impacts	IK08
Rated voltage	500V
Protection class	II
Standard	PN-EN 62208:2011

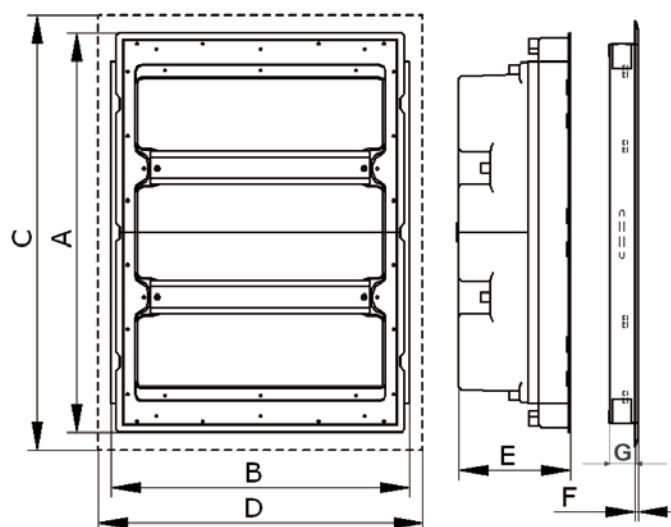
Not for hollow or wooden walls, flush mounted material conforms 650°C glow wire test only!

Assembly



Technical data

Dimensions

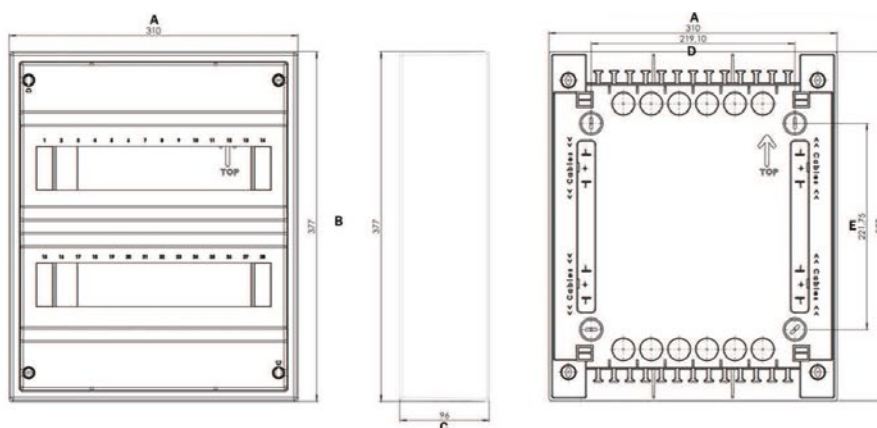


	A	B	C	D	E	F	G	H
ERP12-1	270 mm	288 mm	306 mm	326 mm	113 mm	4 mm	25 mm	2 x 5
ERP12-2	412 mm	288 mm	448 mm	326 mm	120 mm	4 mm	25 mm	2x11
ERP12-3	548 mm	288 mm	584 mm	326 mm	120 mm	4 mm	25 mm	4x11
ERP12-4	684 mm	288 mm	720 mm	326 mm	120 mm	4 mm	25 mm	4x11
ERP12-5	809 mm	288 mm	845 mm	326 mm	120 mm	4 mm	25 mm	6x12, 1x24
ERP12-6	943 mm	288 mm	980 mm	326 mm	120 mm	4 mm	25 mm	6x12, 1x24
ERP18-1	275 mm	418 mm	306 mm	451 mm	120 mm	6 mm	25 mm	2x11
ERP18-2	407 mm	418 mm	447 mm	451 mm	120 mm	6 mm	25 mm	3x11
ERP18-3	541 mm	418 mm	581 mm	451 mm	120 mm	6 mm	25 mm	3x11, 1x24
ERP18-4	675 mm	418 mm	715 mm	451 mm	120 mm	6 mm	25 mm	4x11, 1x24
ERP18-5	809 mm	418 mm	849 mm	451 mm	120 mm	6 mm	25 mm	5x11, 2x24
ERP18-6	943 mm	418 mm	983 mm	451 mm	120 mm	6 mm	25 mm	6x11, 2x24
ERP24-2	465 mm	542 mm	507 mm	575 mm	120 mm	6 mm	25 mm	1x24, 2x11
ERP24-3	600 mm	542 mm	642 mm	575 mm	120 mm	6 mm	25 mm	1x24, 3x11
ERP24-4	735 mm	542 mm	777 mm	575 mm	120 mm	6 mm	25 mm	2x24, 4x11
ERP24-5	870 mm	542 mm	912 mm	575 mm	120 mm	6 mm	25 mm	3x24, 4x11
ERP24-6	1005 mm	542 mm	1047 mm	575 mm	120 mm	6 mm	25 mm	3x24, 4x11

Distribution boards DIDO ACT

DIDO ACT	
Material	ABS
Color	RAL9003
Door	styrene acrylonitrile
Color	Transparent & white
Glow wire test	650°C
Terminal holder	Self extinguish material (Glow wire test: 960°C)
Temperature	-25°C ... +60°C
Rated voltage	AC400V
Standard	IEC 62208, IEC 60670-1, IEC60670-24
Halogen free	✓

Dimensions



	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	Max. allowed power losses when Max. number of devices are installed
ACT12	310	251	96	96	219	30W
ACT24	310	377	96	219	222	40W
ACT36	310	502	96	219	347	60W

Modular distribution board for use outside DIDO-ECH

Technical data

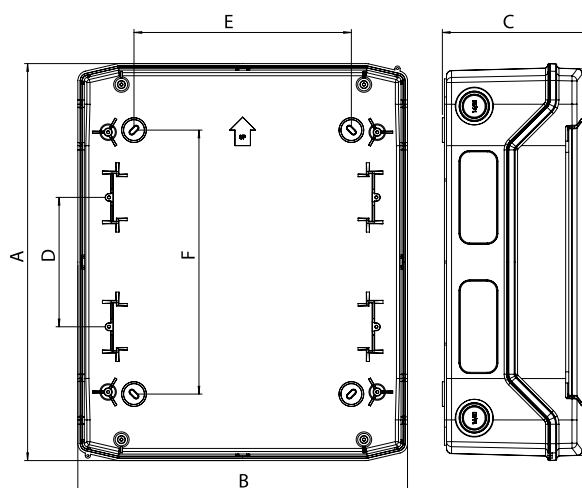
Degree of protection	IP 65
Insulation class	II
Colour	RAL 7035
Double insulation	☐
Standard	IEC 60670-1, IEC 60670-24
Installation temperature	-20° / +60°C
Glow wire test	650°C

Number of PE - N terminals:

ECH-4G	2x4 4 PE / 4 N
ECH-6G	2x6 6 PE / 6 N
ECH-8G	2x8 8 PE / 6 N
ECH-12PT	2x10 10 PE / 10 N
ECH-18PT	2x13 13 PE / 13 N
ECH-24PT	2x15 15 PE / 15 N
ECH-36PT	2x15 15 PE / 15 N
ECH-48PT	2x20 20 PE / 20 N

Dimensions

type	Dimensions						Max. allowed power losses when Max. number of devices are installed
	A	B	C	D	E	F	
ECH-4G	201 mm	128 mm	120 mm	-	-	140 mm	10 W
ECH-6G	201 mm	165 mm	118 mm	-	63 mm	140 mm	10 W
ECH-8G	201 mm	202 mm	120 mm	-	100 mm	140 mm	13 W
ECH-12PT	259 mm	319 mm	144 mm	-	210 mm	130 mm	16 W
ECH-18PT	259 mm	319 mm	144 mm	-	259 mm	130 mm	20 W
ECH-24PT	384 mm	319 mm	144 mm	125 mm	210 mm	255 mm	24 W
ECH-36PT	508 mm	319 mm	144 mm	125 mm	210 mm	380 mm	26 W
ECH-48PT	664 mm	319 mm	144 mm	125 mm	210 mm	505 mm	28 W



Metal enclosures GT type, IP65

Compliance with standards and directives:

EN 62208 Empty enclosures for low voltage switchgear and controlgear

EN 60529 Degrees of protection provided by enclosures (IP Code)

EN 62262 Degrees of protection against external mechanical impacts provided by enclosures of electrical equipment (IK code)

Meet the requirements of the RoHS Directive

Marked CE

The enclosures are supplied with:

- Cable entry cover with mounting kit
- Mounting plate with mounting kit
- Door lock with, double-bit insert and key
- Cover holes
- Earthing set of grounding (without cable)

Symbols:

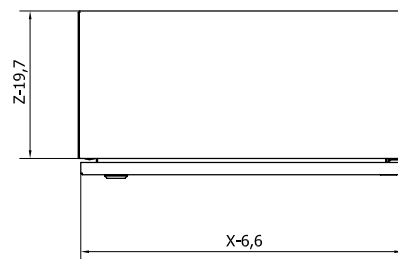
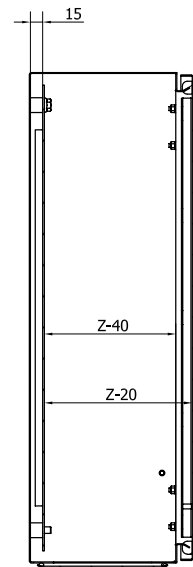
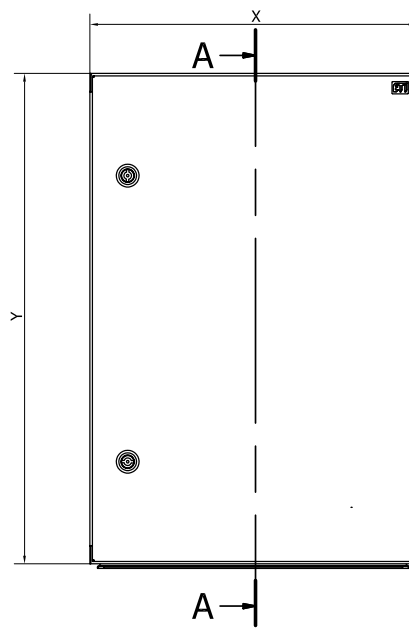
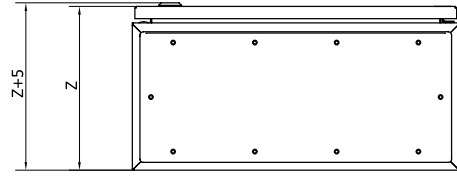
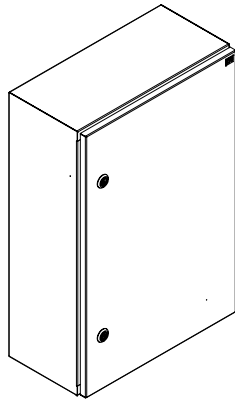
GT 100-80-30

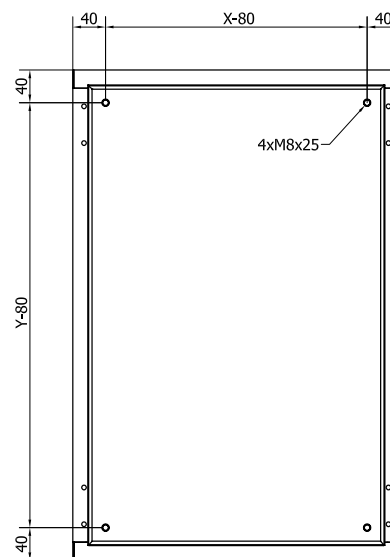
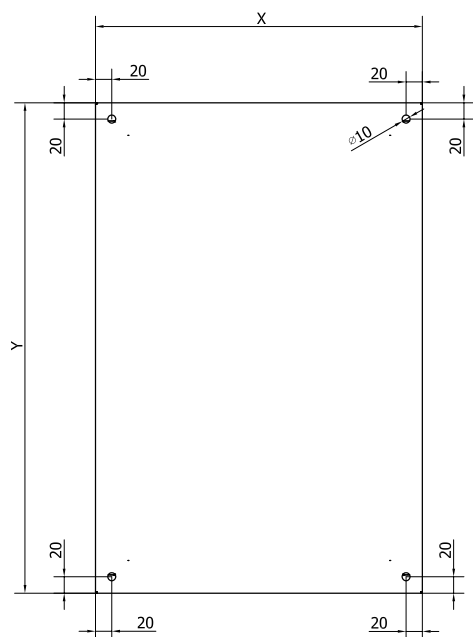
Height Width Depth

Type	Height Y (mm)	Width X (mm)	Depth Z (mm)	Lock quantity	Hinges quantity	Cable entry depth B1 (mm)	Cable entry width A1 (mm)	Cover cable entry depth B (mm)	Cover cable entry width A (mm)
GT 25-20-15	250	200	150	1	2	70	140	110	180
GT 30-20-15	300	200	150	1	2	70	140	110	180
GT 30-30-15	300	300	150	1	2	70	240	110	280
GT 30-30-20	300	300	200	1	2	120	240	160	280
GT 30-30-25	300	300	250	1	2	170	240	210	280
GT 40-30-15	400	300	150	1	2	70	240	110	280
GT 40-30-20	400	300	200	1	2	120	240	160	280
GT 40-30-25	400	300	250	1	2	170	240	210	280
GT 40-40-15	400	400	150	1	2	70	340	110	380
GT 40-40-20	400	400	200	1	2	120	340	160	380
GT 40-40-25	400	400	250	1	2	170	340	210	380
GT 40-60-20	400	600	200	1	2	120	540	160	580
GT 40-60-25	400	600	250	1	2	170	540	210	580
GT 40-60-30	400	600	300	1	2	170	540	210	580
GT 50-40-15	500	400	150	2	2	70	340	110	380
GT 50-40-20	500	400	200	2	2	120	340	160	380
GT 50-40-25	500	400	250	2	2	170	340	210	380
GT 50-55-20	500	550	200	2	2	120	490	160	530
GT 50-55-25	500	550	250	2	2	170	490	210	530
GT 60-40-15	600	400	150	2	2	70	340	110	380
GT 60-40-20	600	400	200	2	2	120	340	160	380
GT 60-40-25	600	400	250	2	2	170	340	210	380
GT 60-60-20	600	600	200	2	2	120	540	160	580
GT 60-60-25	600	600	250	2	2	170	540	210	580
GT 60-60-30	600	600	300	2	2	170	540	210	580
GT 60-80-30	600	800	300	2	2	170	740	210	780
GT 65-55-20	650	550	200	2	2	120	490	160	530
GT 65-55-25	650	550	250	2	2	170	490	210	530
GT 80-40-20	800	400	200	2	3	120	340	160	380
GT 80-40-25	800	400	250	2	3	170	340	210	380
GT 80-55-20	800	550	200	2	3	120	490	160	530
GT 80-55-25	800	550	250	2	3	170	490	210	530
GT 80-60-20	800	600	200	2	3	120	540	160	580
GT 80-60-25	800	600	250	2	3	170	540	210	580
GT 80-60-30	800	600	300	2	3	170	540	210	580
GT 80-60-40	800	600	400	2	3	170	540	210	580
GT 80-80-20	800	800	200	2	3	120	740	160	780
GT 80-80-25	800	800	250	2	3	170	740	210	780
GT 80-80-30	800	800	300	2	3	170	740	210	780
GT 80-80-40	800	800	400	2	3	170	740	210	780
GT 80-100-30	800	1000	300	2	3	170	940	210	980
GT 80-100-40	800	1000	400	2	3	170	940	210	980
GT 100-60-25	1000	600	250	3p*	3	170	540	210	580
GT 100-60-30	1000	600	300	3p*	3	170	540	210	580
GT 100-60-40	1000	600	400	3p*	3	170	540	210	580
GT 100-80-25	1000	800	250	3p*	3	170	740	210	780
GT 100-80-30	1000	800	300	3p*	3	170	740	210	780
GT 100-80-40	1000	800	400	3p*	3	170	740	210	780
GT 100-100-25	1000	1000	250	3p*	3	170	940	210	980
GT 100-100-30	1000	1000	300	3p*	3	170	940	210	980
GT 100-100-40	1000	1000	400	3p*	3	170	940	210	980
GT 120-60-25	1200	600	250	3p*	3	170	540	210	580
GT 120-80-25	1200	800	250	3p*	3	170	740	210	780
GT 120-80-30	1200	800	300	3p*	3	170	740	210	780
GT 120-80-40	1200	800	400	3p*	3	170	740	210	780
GT 120-100-30	1200	1000	300	3p*	3	170	940	210	980
GT 120-100-40	1200	1000	400	3p*	3	170	940	210	980

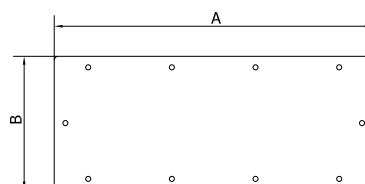
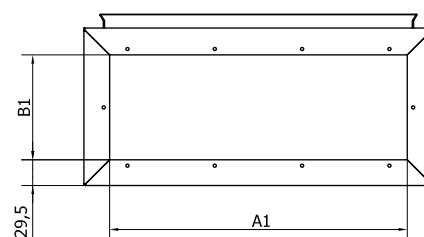
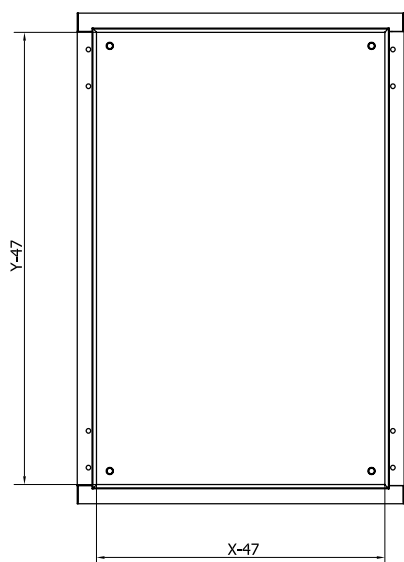
*One lock with 3 point locking system (top, center, bottom)

Technical data

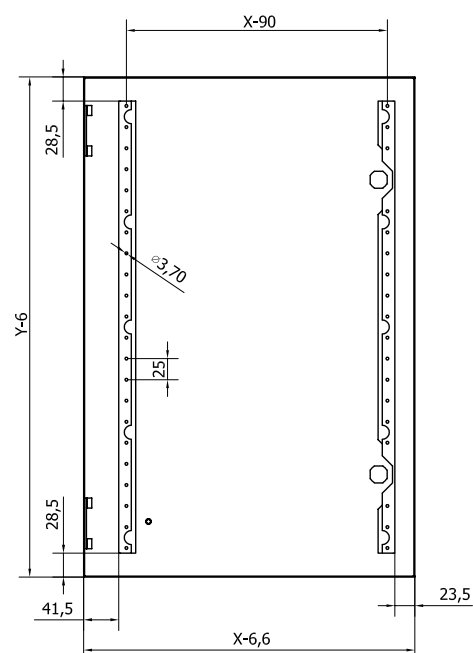
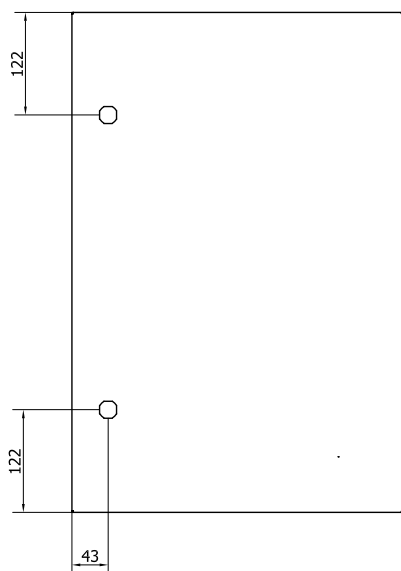




The door

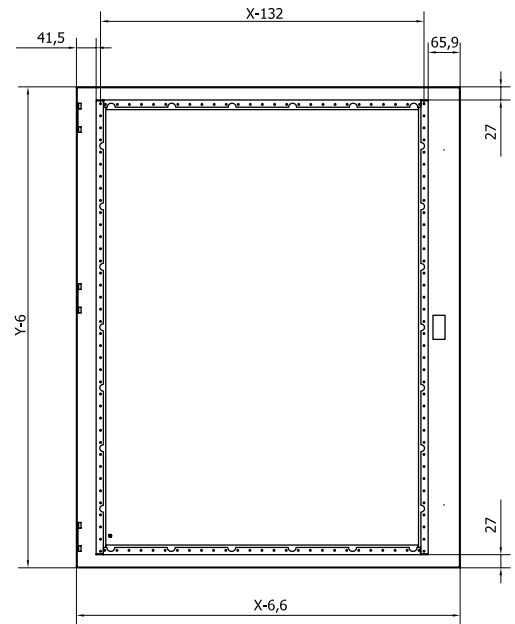
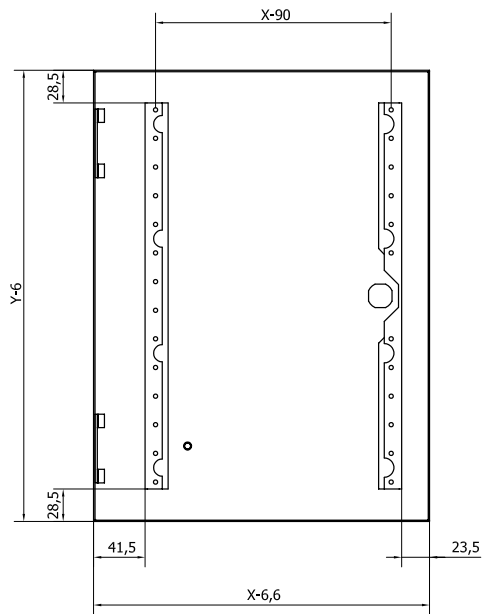


The cover of cable entry

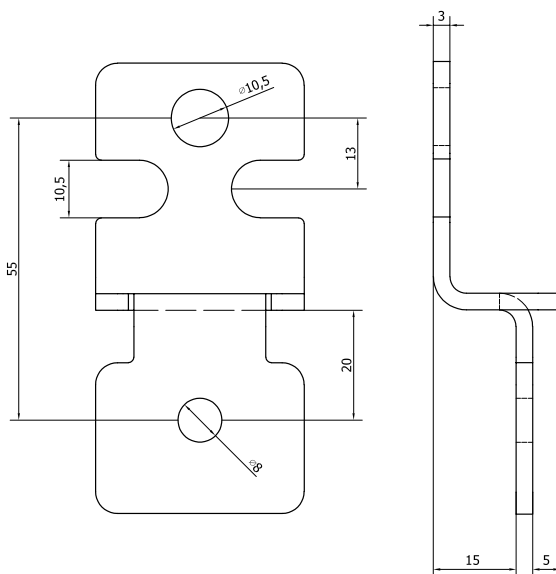


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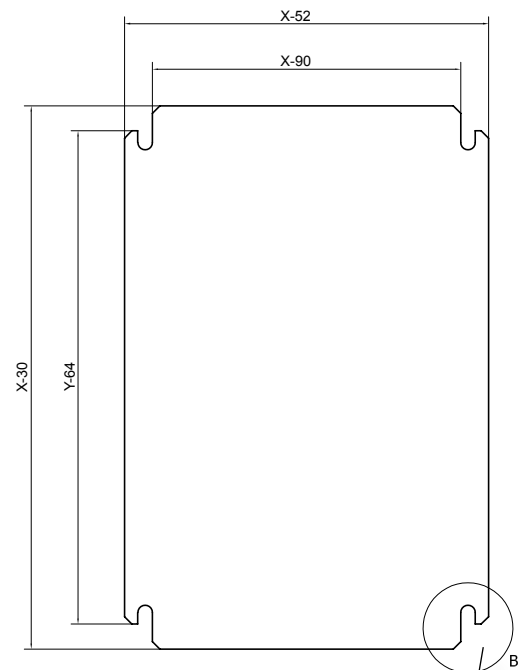
The door



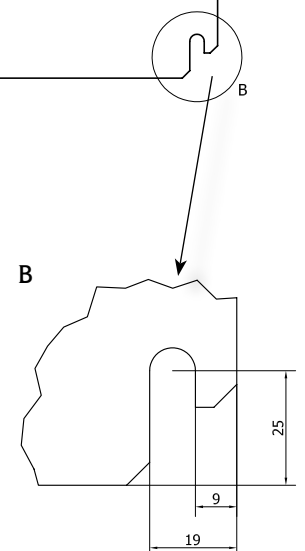
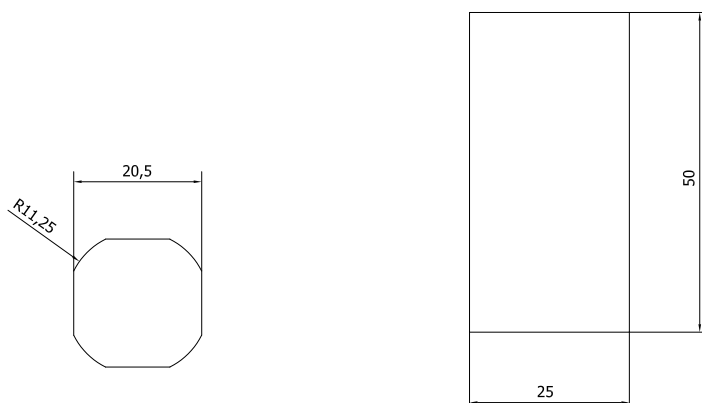
Wall holder



Mounting plate



Door drilling

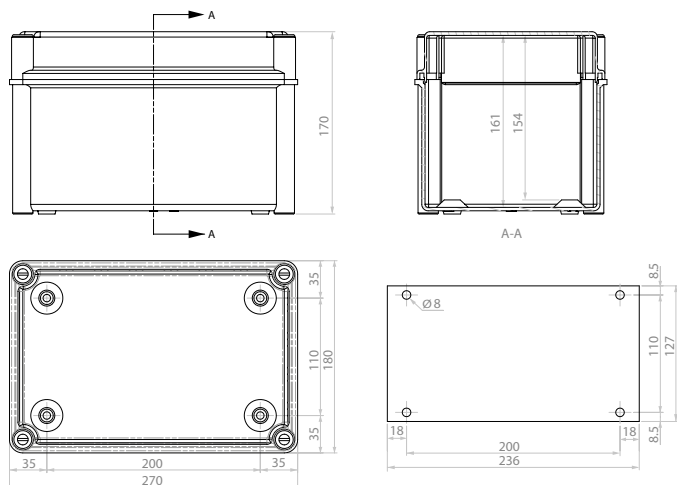


SB (S Box) Double insulation enclosures IP66, IK10

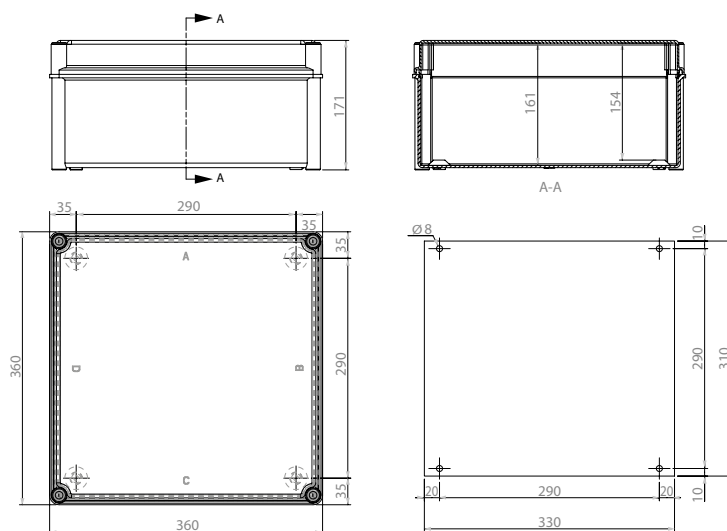
Technical data

IP protection degree	IP 66
IK protection degree	IK10 (≤ 20 kJ)
Double insulation	
Insulation class	II
Nominal voltage	1500V DC / 1000V AC
Installation temperature	-30°C ... +60°C
Colour	Base - grey (RAL 7035) / Lid - transparent
Flame resistance (UL 94)	Base - V0 / Lid - V2
Thermal resistance	Base - 960°C / Lid - 750°C
Standard	IEC 62208

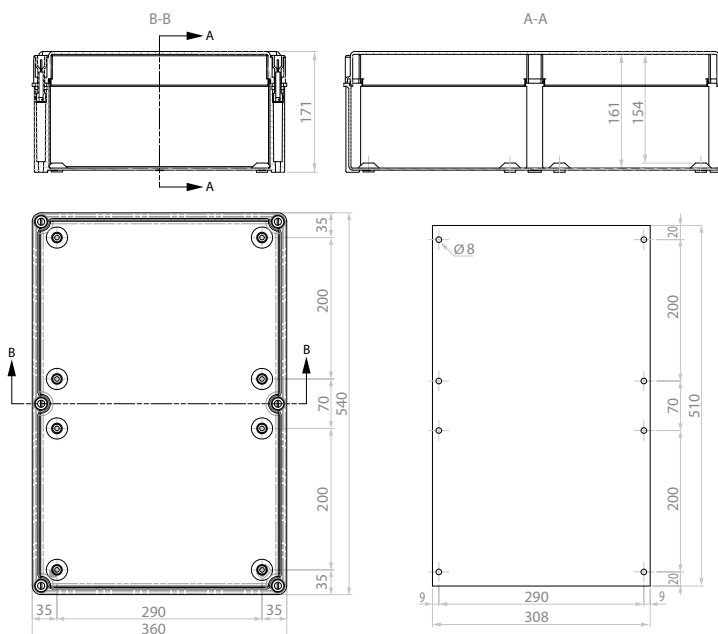
Dimensions



SB-32



SB-44



SB-64

Technical data

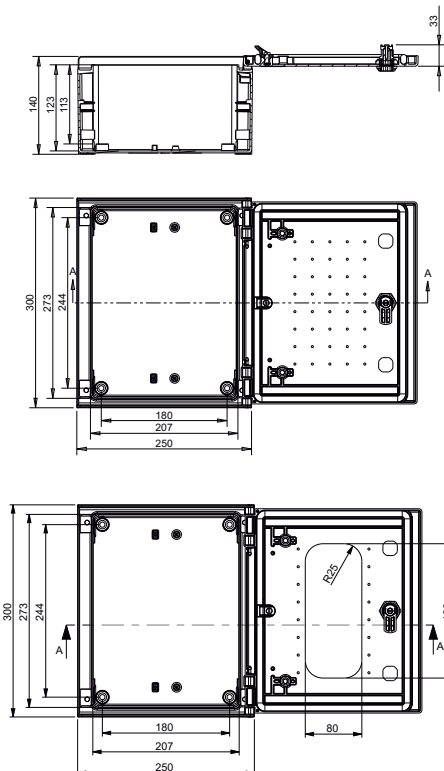
Fiberglass Reinforced Polyester EPC Cabinets (IP66)

Technical data	
Protection degree	IP66
Degree of protection against external mechanical impacts	IK10, IK07 (with window)
Protection class	II
Rated operational voltage	1000 V AC, 1500 V DC
Material body/seal	fiberglass reinforced polyester / polyurethane
UV resistance	✓
Operating temperature	-30 °C ... +120 °C
Color	RAL 7035
Resistance to fire and heat	960 °C
Compliance with standards	IEC 62208

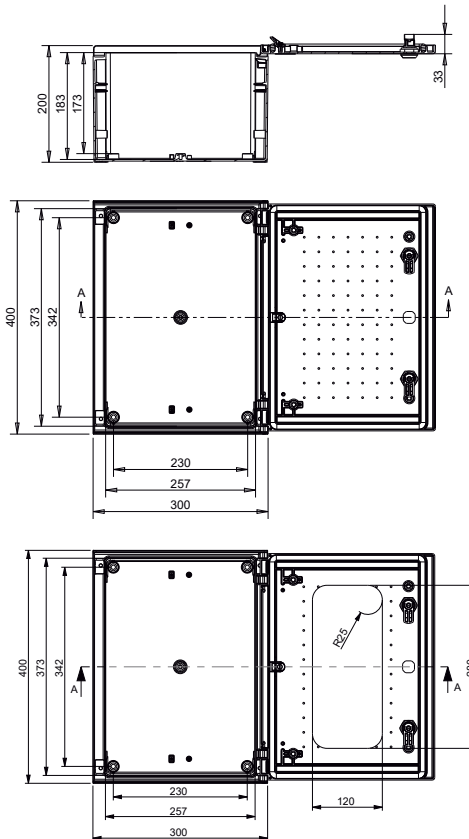
Properties	EPC/-W 30-25-14	EPC/-W 40-30-20	EPC/-W 40-40-20	EPC/-W 50-40-20	EPC/-W 60-40-23	EPC/-W 60-50-23	EPC/-W 80-30-23	EPC/-W 80-60-30
External dimensions								
Height (mm)	300	400	400	500	600	600	800	800
Width (mm)	250	300	400	400	400	500	300	600
Depth (mm)	140	200	200	200	230	230	230	300
Internal dimensions								
Height (mm)	273	373	373	473	573	573	773	773
Width (mm)	207	257	357	357	357	457	257	557
Depth (mm)	123	183	183	183	213	213	213	283
Other characteristics								
Number of locks	1	2	2	2	2	2	2	2
Number of wedges (anti-blow system)	1	1	2	2	2	2	2	2
Number of fixing points - mounting plate	4	5	5	6	6	6	4	7
Power dissipation P _{de} @T=40 °C	36,2	58,8	72,6	82,9	99,4	117	103	185
Weight (kg)	1,93	3,6	4,35	5,25	7,13	7,93	6,4	12,65
Mounting plate (polyester)	EPC-PMP 30-25	EPC-PMP 40-30	EPC-PMP 40-40	EPC-PMP 50-40	EPC-PMP 60-40	EPC-PMP 60-50	EPC-PMP 80-30	EPC-PMP 80-60
Height (mm)	262	360	360	460	558	558	756	756
Width (mm)	198	248	348	348	348	448	248	548
Thickness (mm)	3	3	3	3	3	3	3	4
Weight (kg)	0,38	0,59	0,87	1,09	1,3	1,75	1,46	2,78
Mounting plate (metal)	EPC-MPP 30-25	EPC-MPP 40-30	EPC-MPP 40-40	EPC-MPP 50-40	EPC-MPP 60-40	EPC-MPP 60-50	EPC-MPP 80-30	EPC-MPP 80-60
Height (mm)	262	360	360	460	558	558	756	756
Width (mm)	198	248	348	348	348	448	248	548
Thickness (mm)	2	2	2	2	2	2	2	2
Weight (kg)	0,79	1,3	1,9	2,2	3	3,6	3,26	6,4

Dimensions

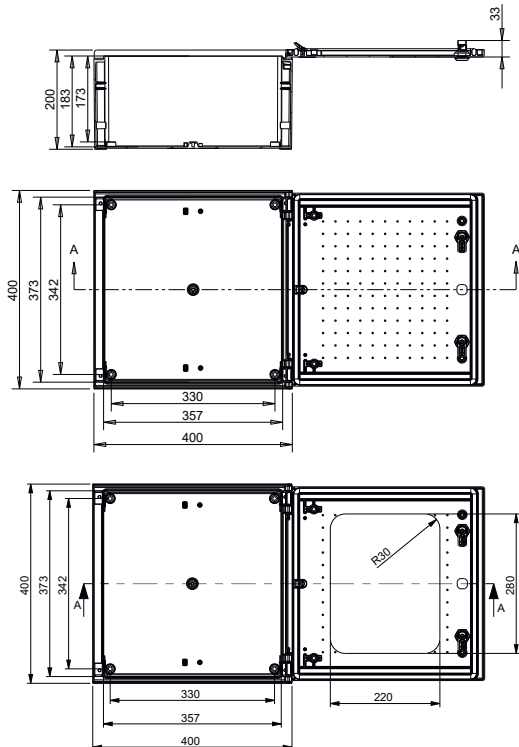
EPC/EPC-W 30-25-14



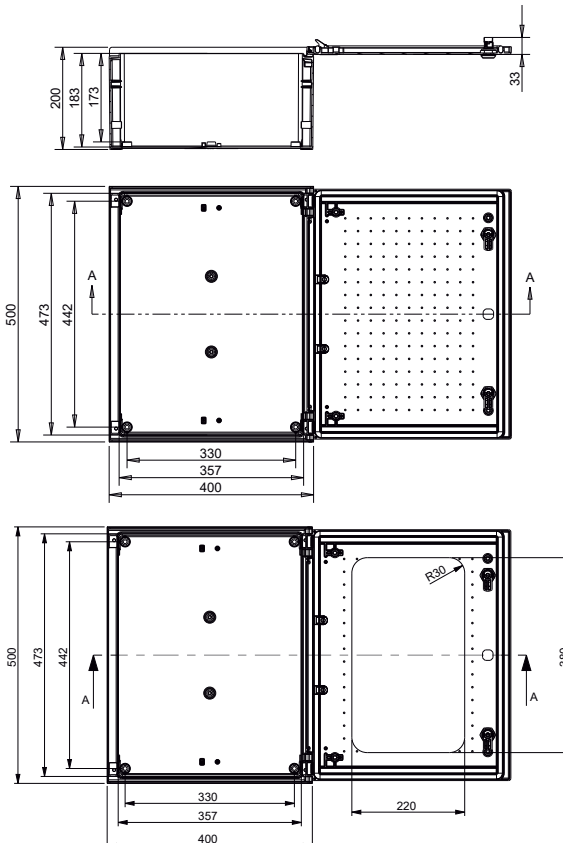
EPC/EPC-W 40-30-20



EPC/EPC-W 40-40-20

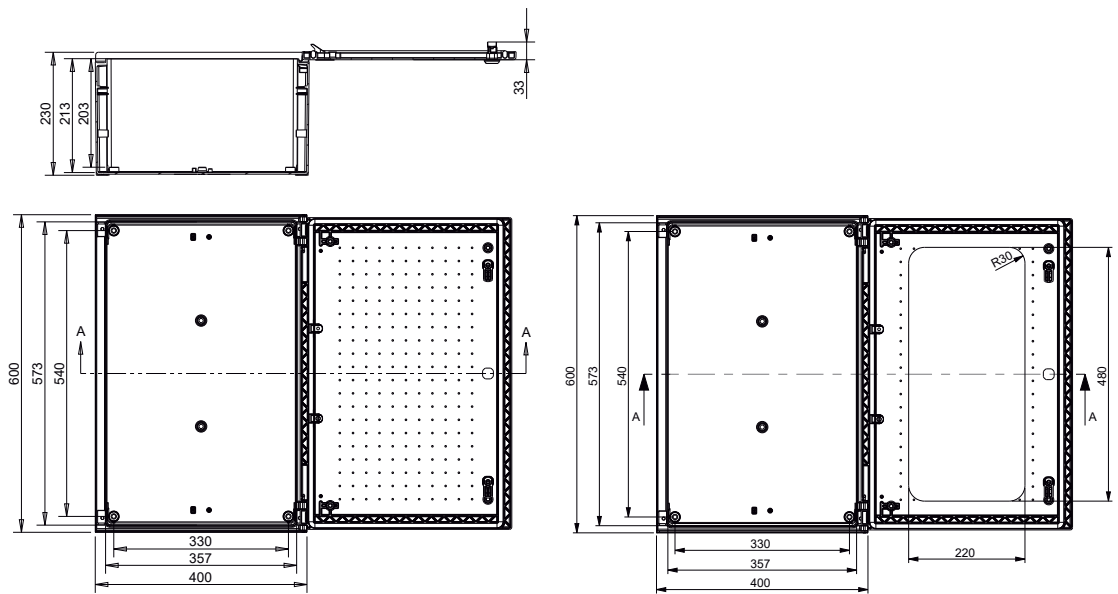


EPC/EPC-W 50-40-20

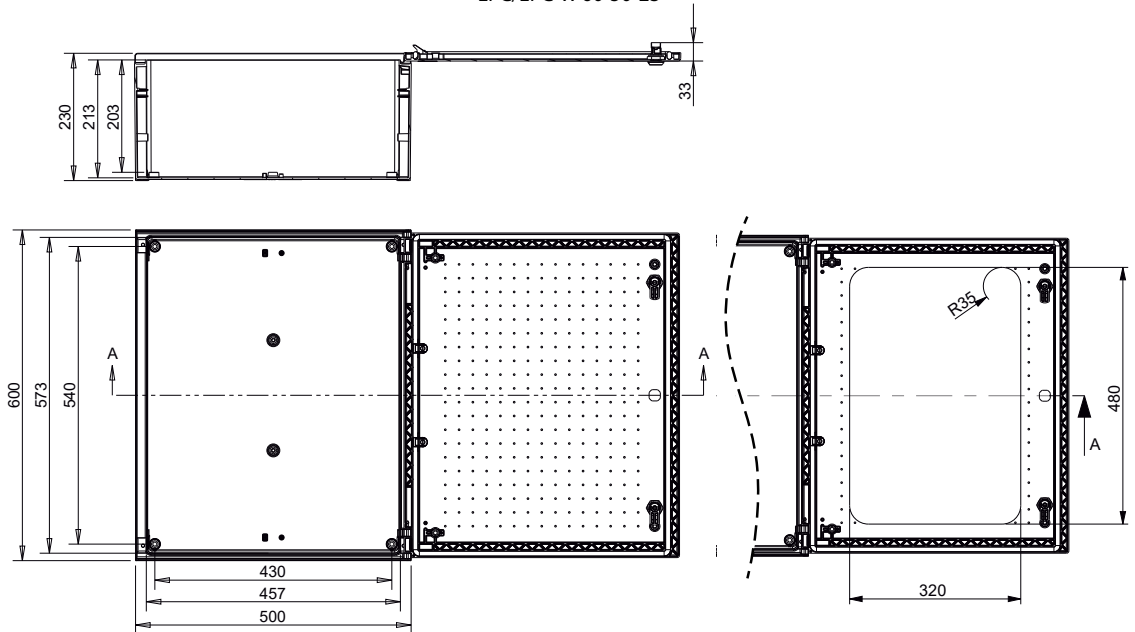


Technical data

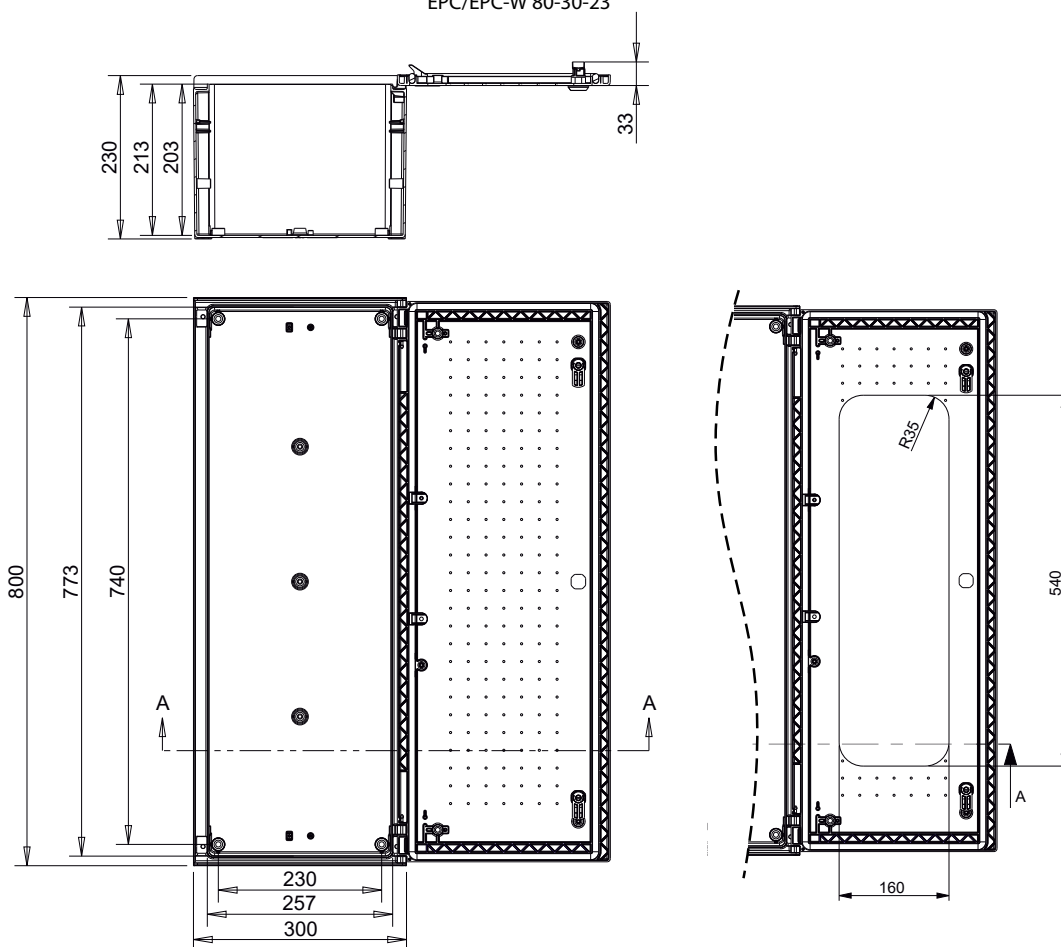
EPC/EPC-W 60-40-23



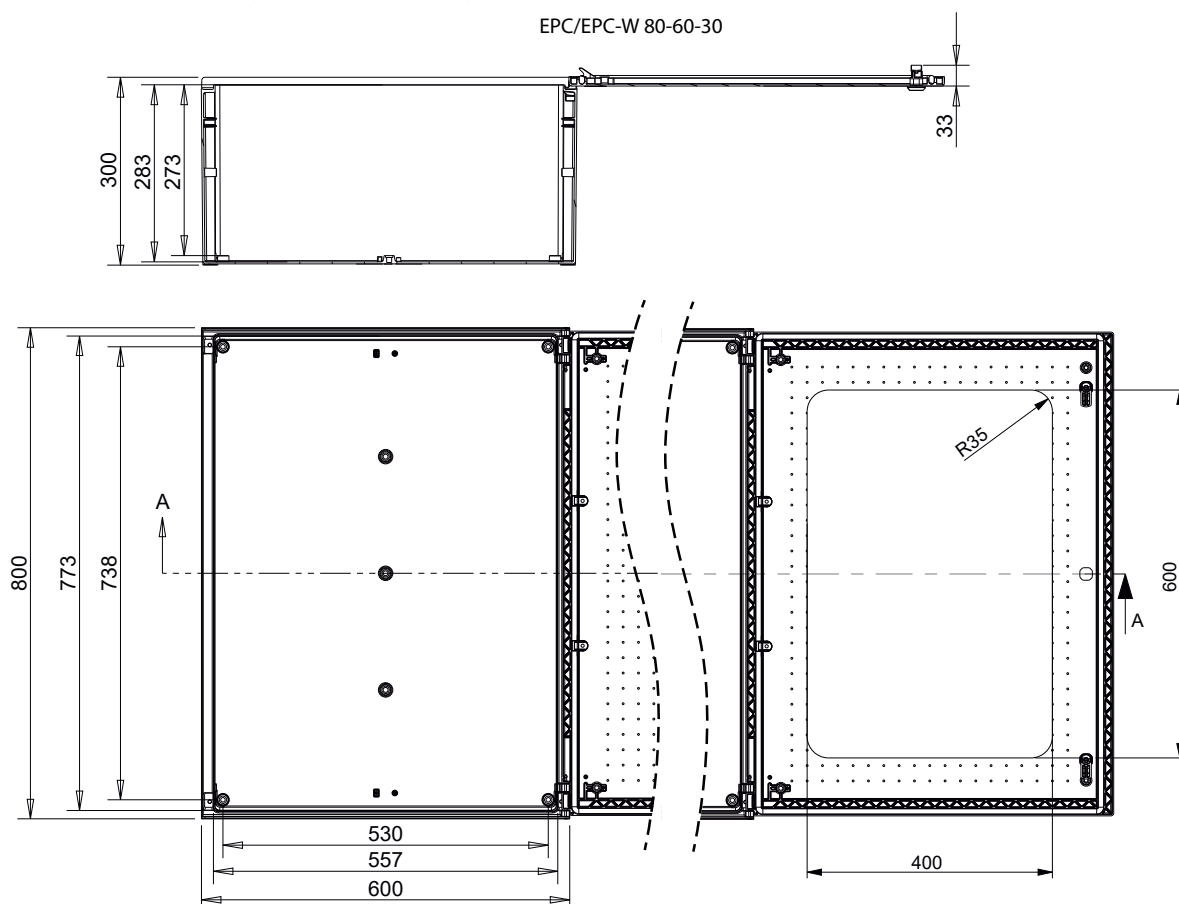
EPC/EPC-W 60-50-23



EPC/EPC-W 80-30-23

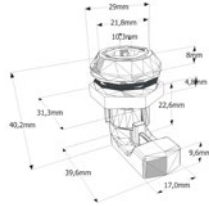


EPC/EPC-W 80-60-30

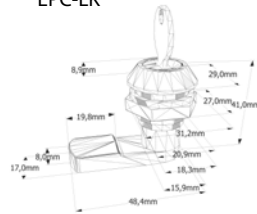


Technical data

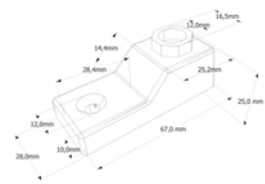
EPC-DL10



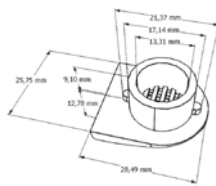
EPC-LK



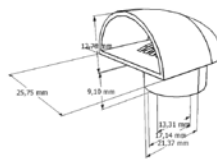
EPC-WM



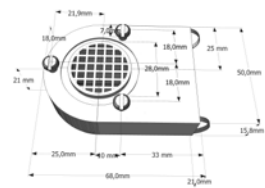
EPC-VDS (1)



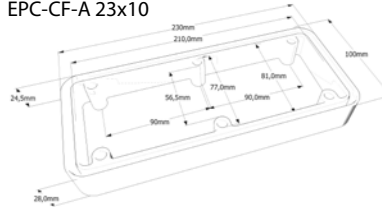
EPC-VDS (2)



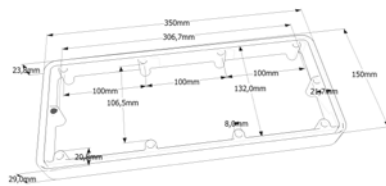
EPC-VDL



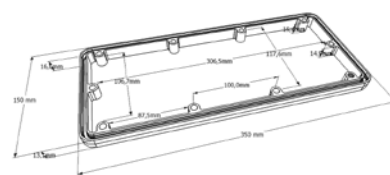
EPC-CF-A 23x10



EPC-CF-B 35x15

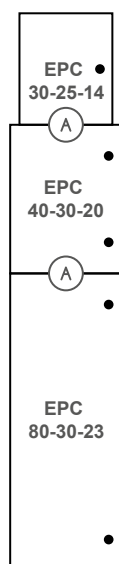


EPC-CF-C 35x15

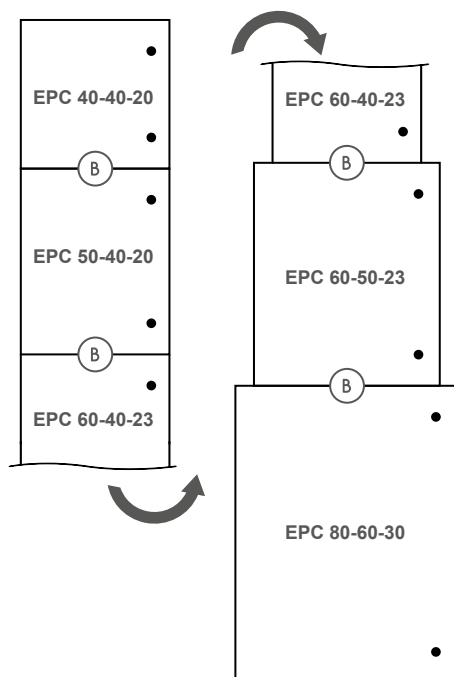


Possibilities to connect EPC-CF

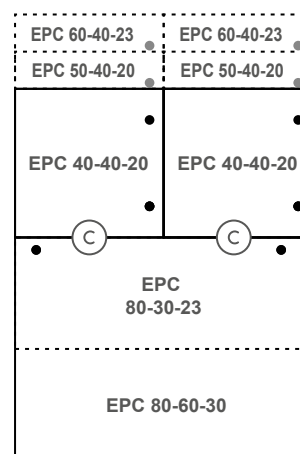
(A)
EPC-CF-A 23x10



(B)
EPC-CF-B 35x15



(C)
EPC-CF-C 35x15



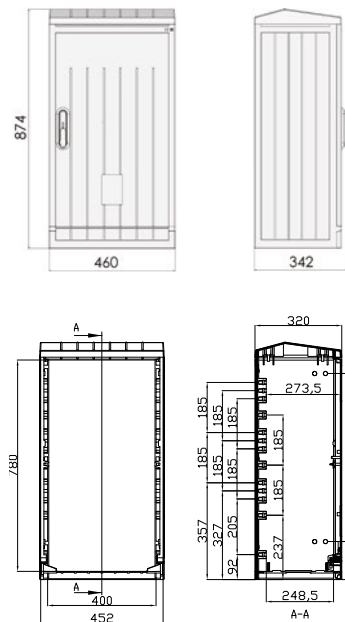
Free-standing cable distribution cabinets

Electrical parameters

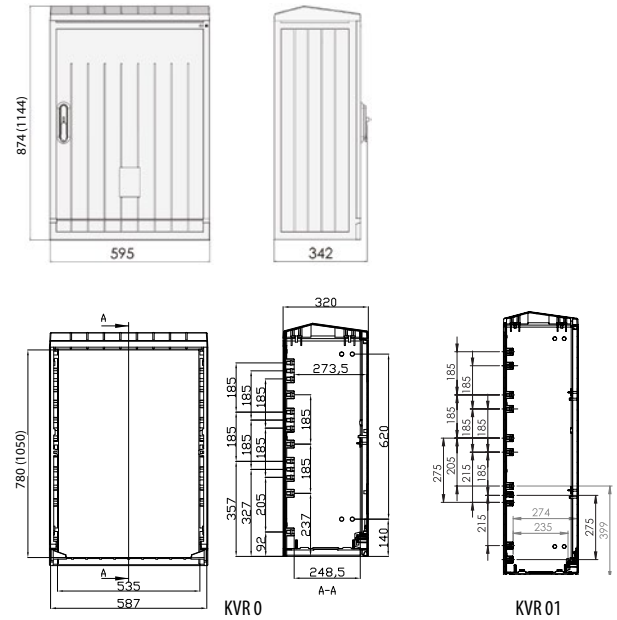
Rated operational voltage Un	400V
Rated insulation voltage Ui	690V
Flamability category	V0
Degree of protection against external mechanical impacts	IK 10
Protection degree	IP44
Protection class	II
Operating temperature	-25°C ... 40°C

Dimensions

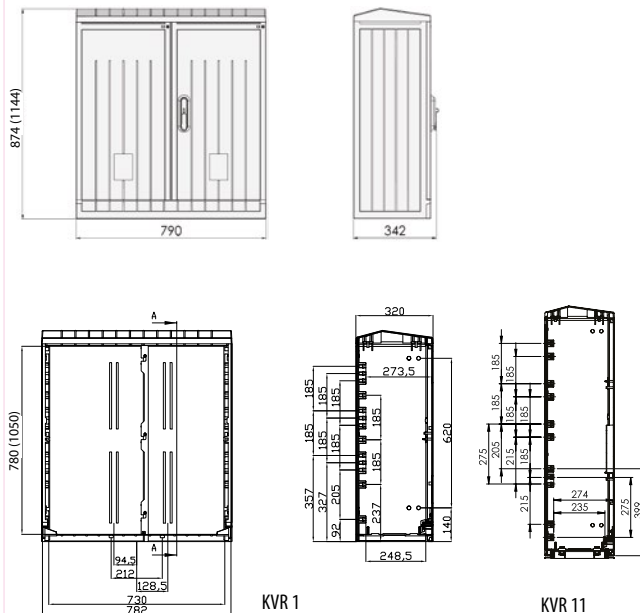
KVR 00



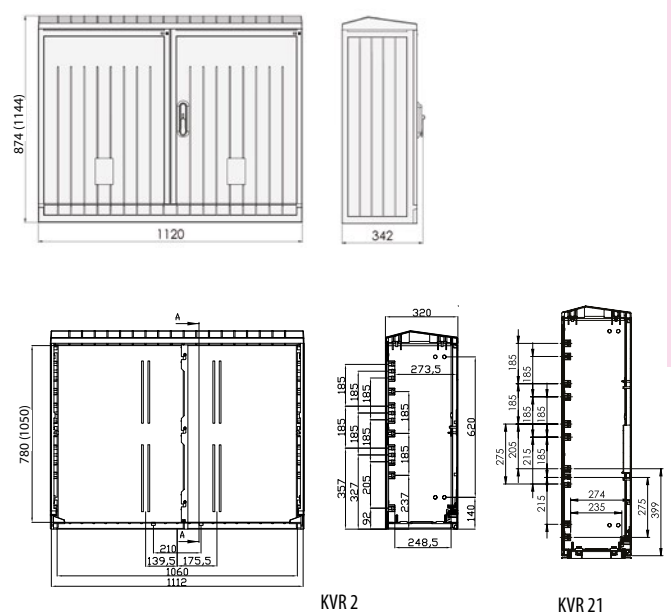
KVR 0 (KVR 01)

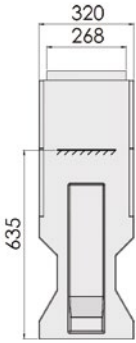
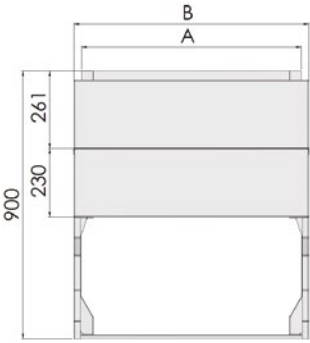


KVR 1 (KVR 11)

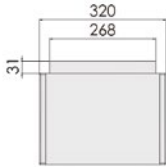
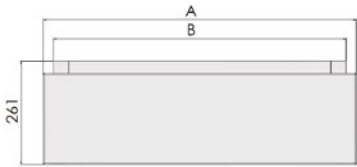
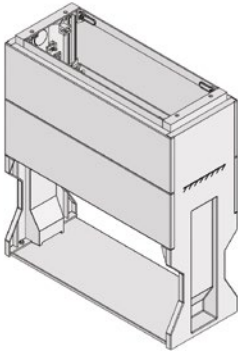
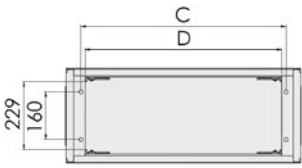


KVR 2 (KVR 21)

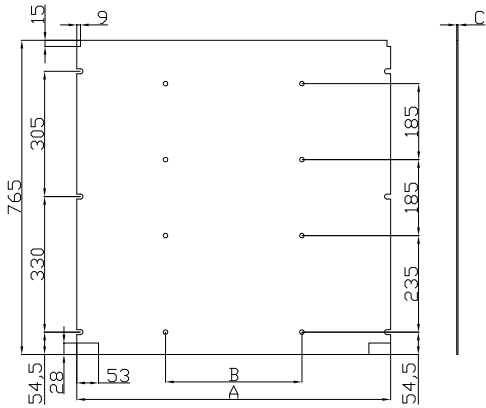
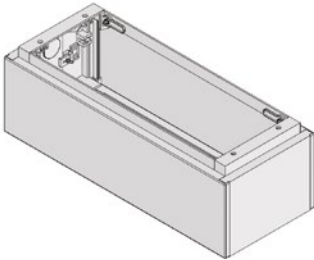
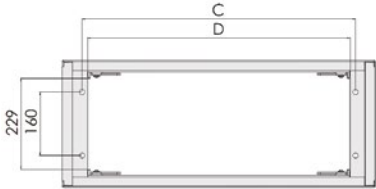




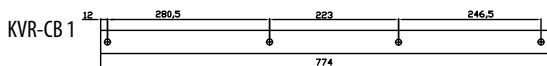
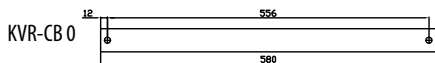
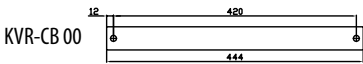
[mm]	A	B	C	D
KVR-P 00	408	460	360	332
KVR-P 0	543	595	495	467
KVR-P 1	738	790	690	662
KVR-P 2	1068	1120	1020	992



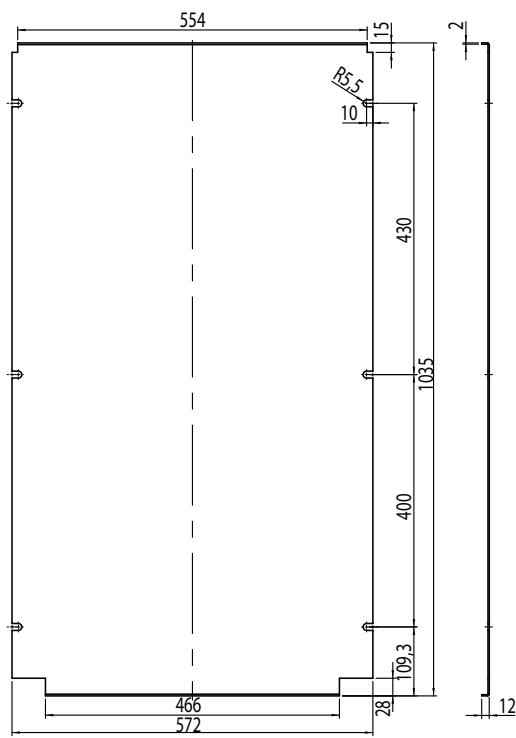
[mm]	A	B	C	D
KVR-PE 00	460	408	360	332
KVR-PE 0	595	543	495	467
KVR-PE 1	790	738	690	662
KVR-PE 2	1120	1068	1020	992



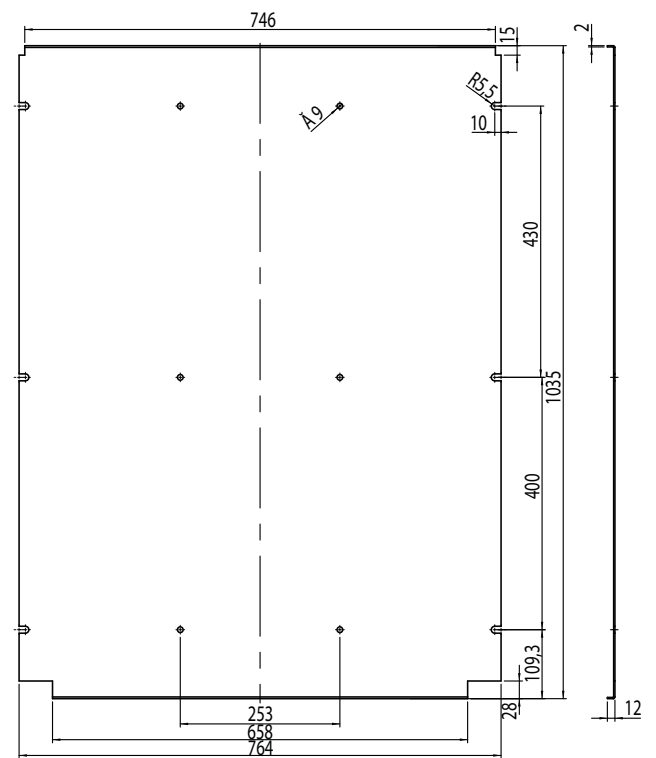
[mm]	A	B	C
KVR-MP 00	435	-	2
KVR-MP 0	572	-	2
KVR-MP 1	764	300	2
KVR-MP 2	1095	400	2



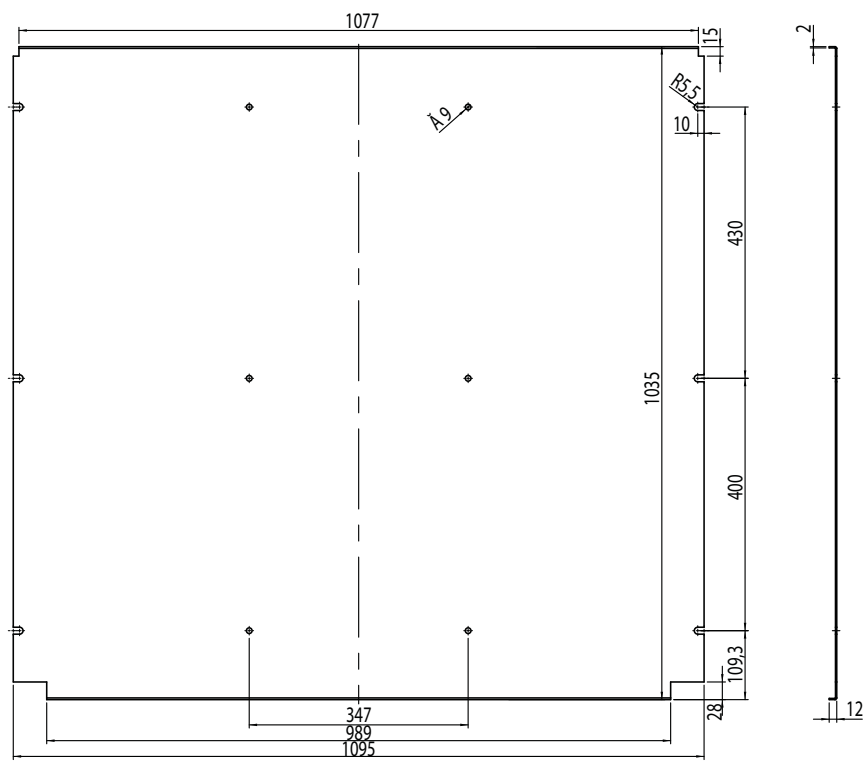
Technical data



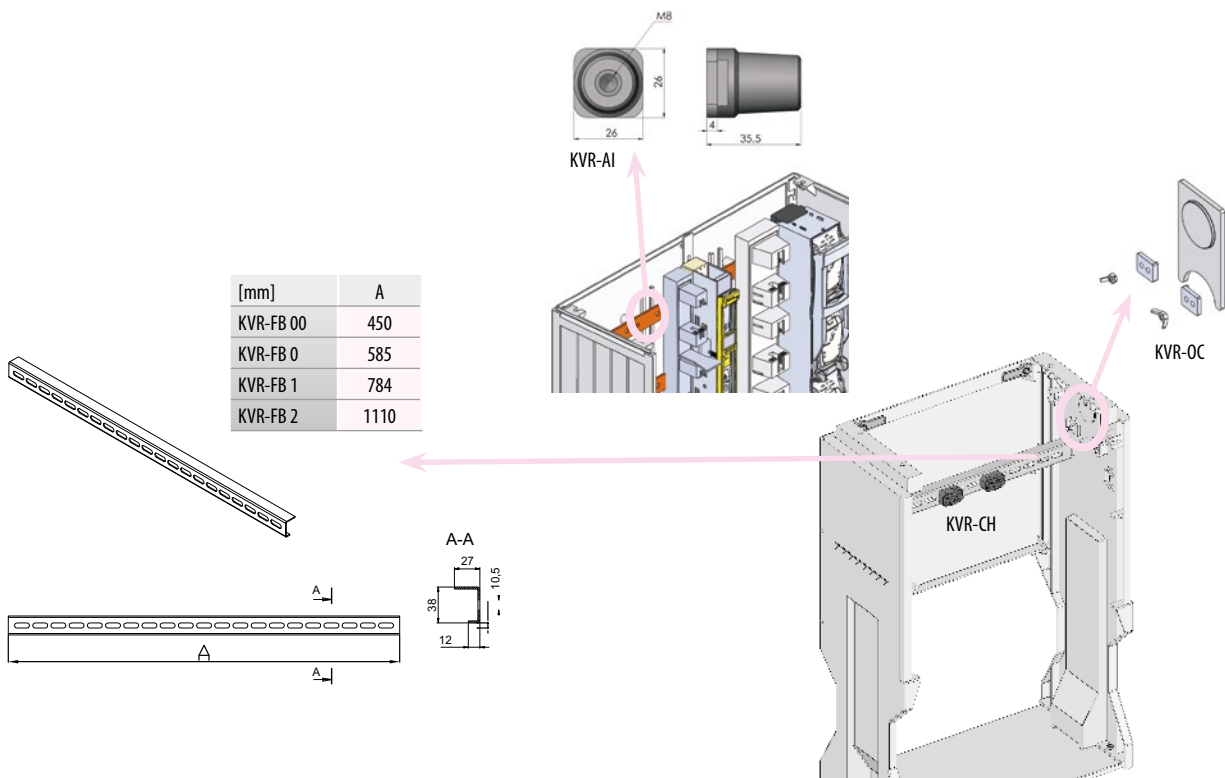
MP01



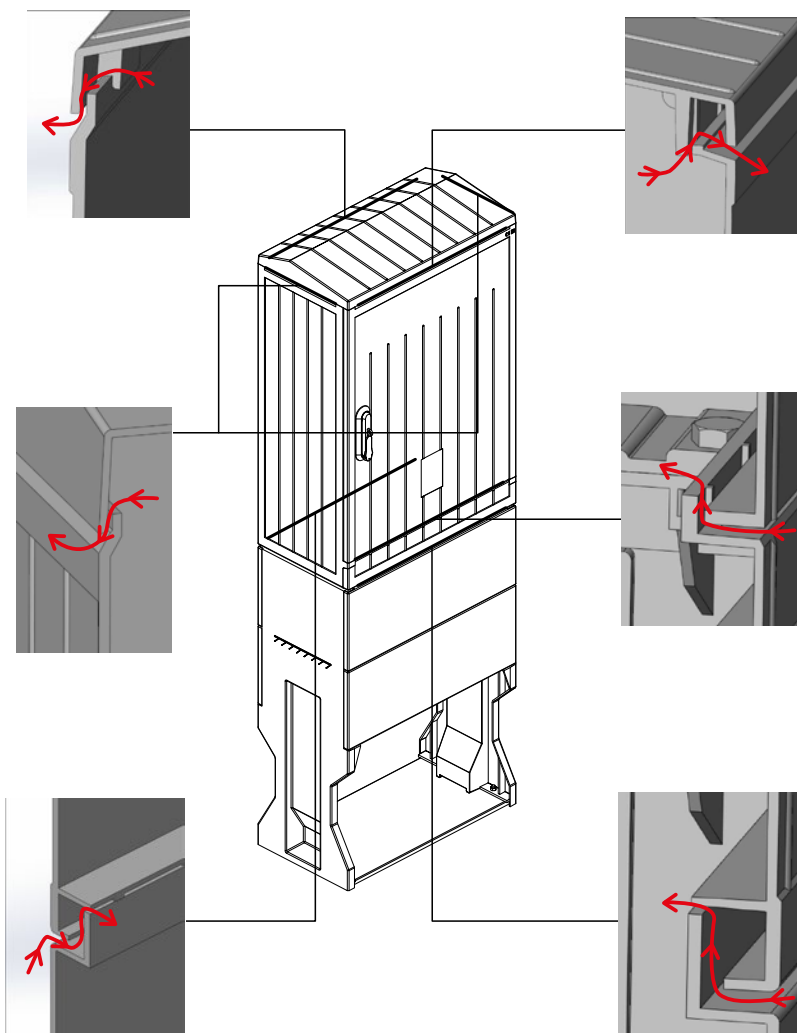
MP11



MP21



Enclosure ventilation

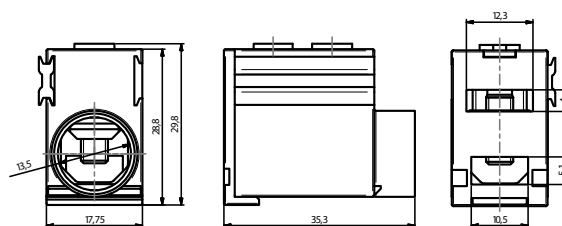


Technical data

Accessories

Terminal for protective conductors

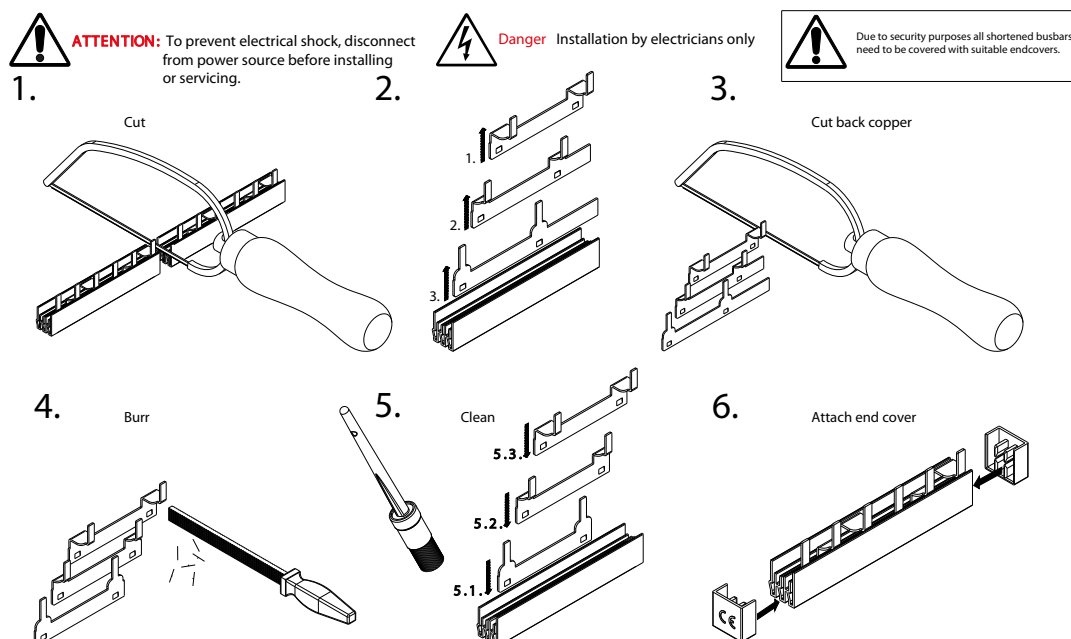
type	length [m]	supply [mm ²]	outlet [mm ²]
2/6	0,056	2 x 22	6 x 14
2/8	0,086	2 x 22	8 x 14
2/12	0,092	2 x 22	12 x 14
2/18	0,128	2 x 22	18 x 14



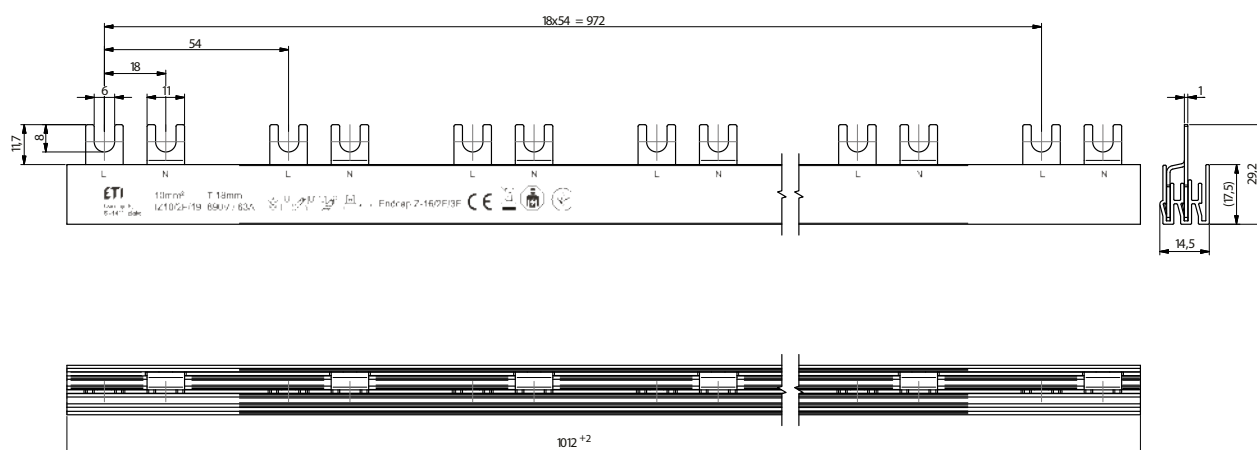
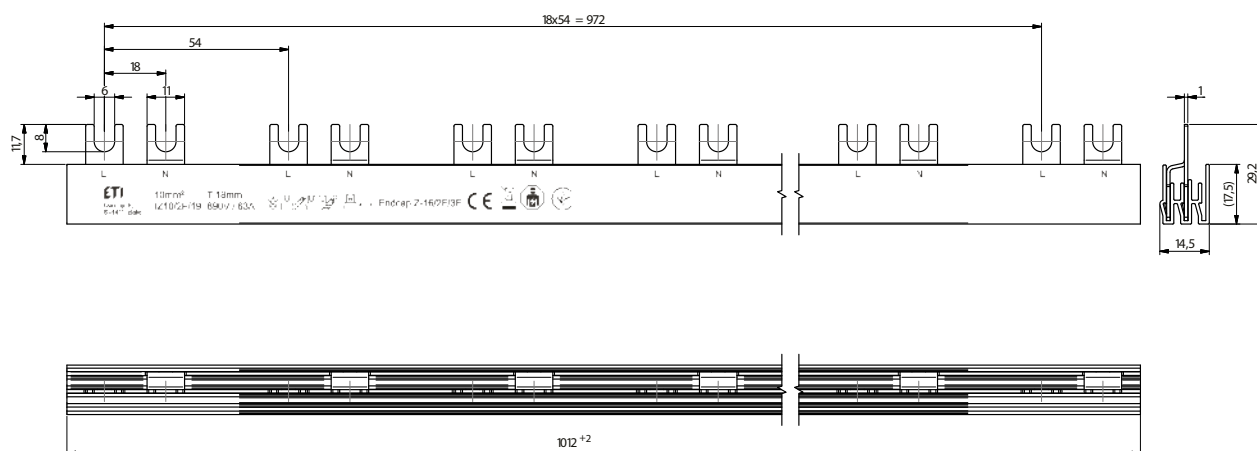
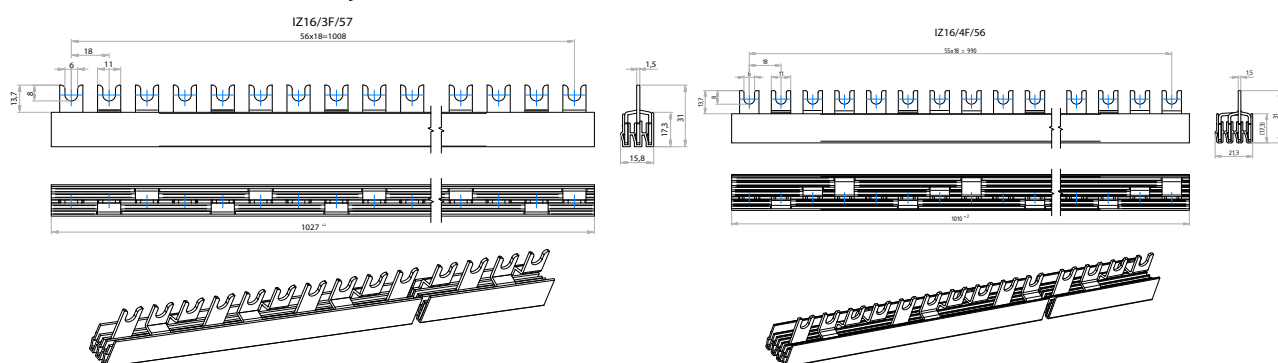
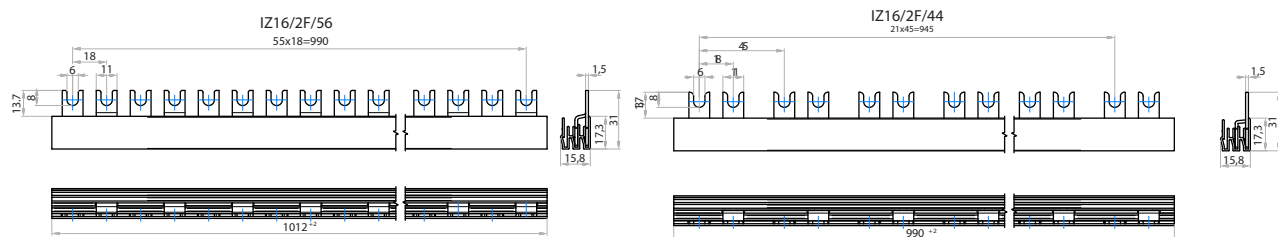
Technical data - Section rails for ETIMAT P10

Cross section	10 mm ²	16 mm ²	25 mm ²
Feeding at beginning/ending			
Max. current Is/Phase	63	80	100
Cross section of connection, mm ²	10	16	25
Feeding in the middle			
Max. current Ie/Phase	100	130	170
Cross section of connection, mm ²	25	35	2x25
Heat deflection temperature PVC	80°C flame resistant		
Comparative tracking index PVC	300V		
Standards	EN 60947-1:2007/ IEC 60947-1:2007		
Climate stability	DIN EN 60068		
Insulation coordination	Degree of pollution 2		
Electrical data			
Impulse voltage strength	≥4,5 kV		
Min. air distance	> 5,5 mm		
Min. creeping distance	> 5 mm		
Max. operating voltage	690 V AC/DC		
Protection class	IP20		
Short circuit rating	ICC 15kA NH 250A gL 500V		
Dielectric strenght	≥ 32 kV/mm		
Material			
	Material	Surface	
Busbar	Copper	plain	
Insulation	PVC lead-free	grey RAL 7035	
Endcover	moulded		

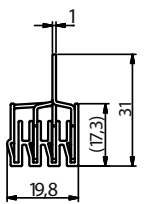
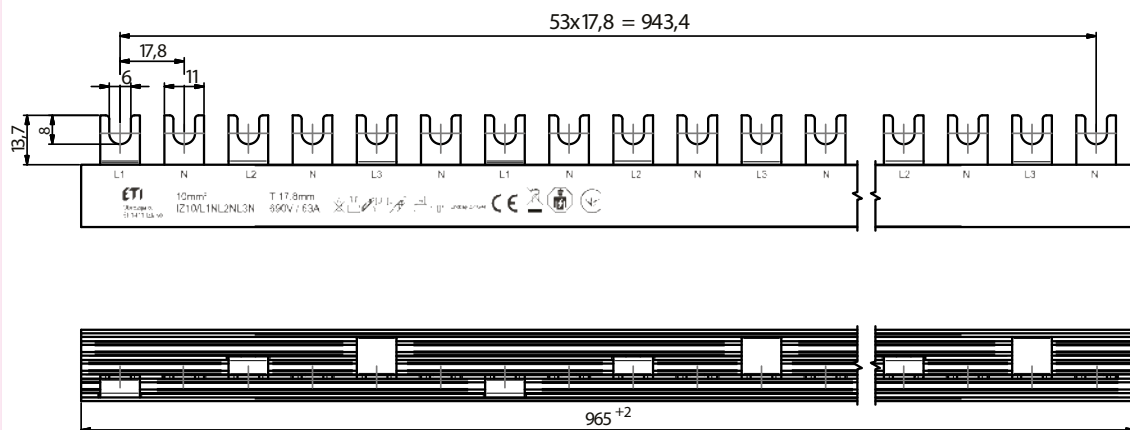
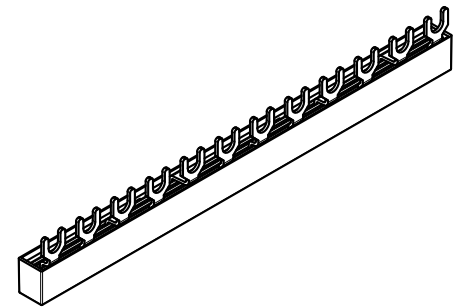
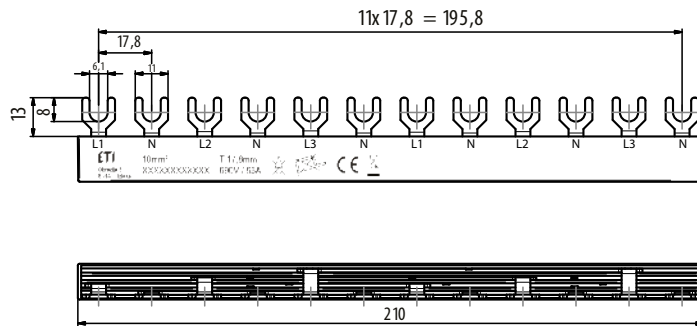
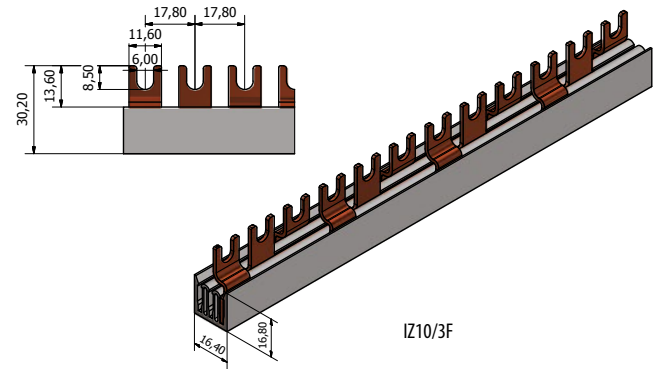
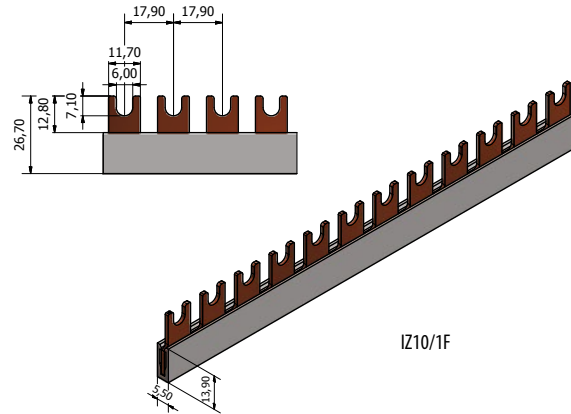
Ampacity at 35 °C ambient temperature depending of feeding point

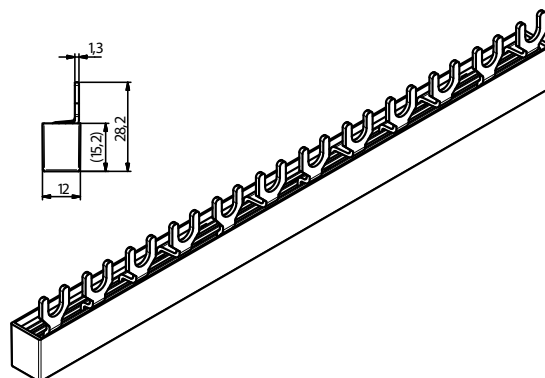
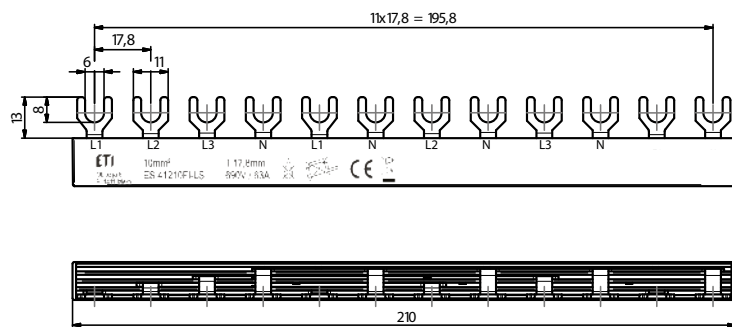


Dimensions

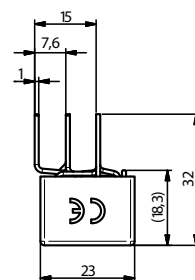
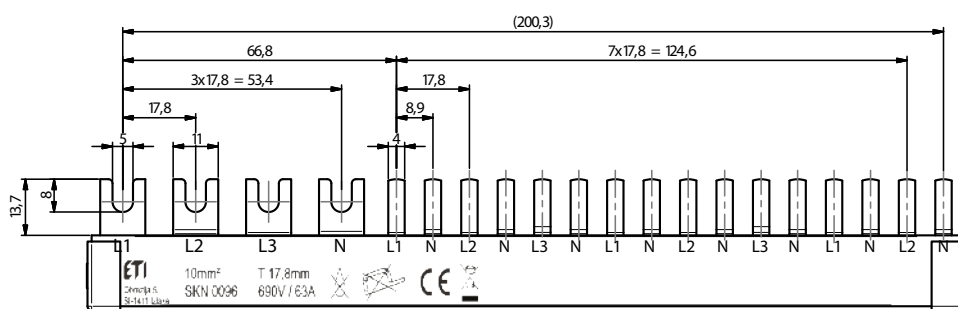


Technical data

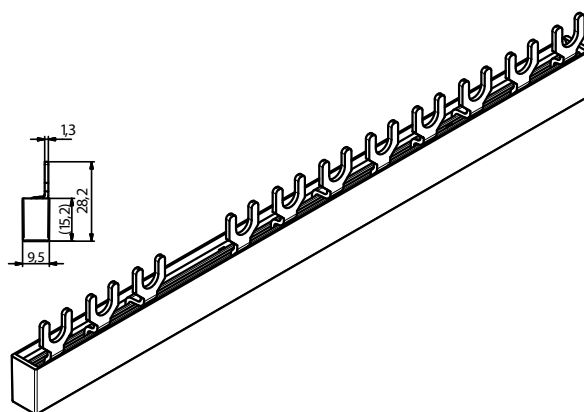
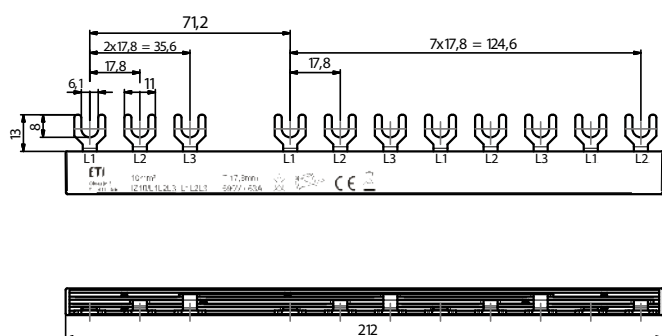




IZ10/L1L2L3NL1NL2NL3N

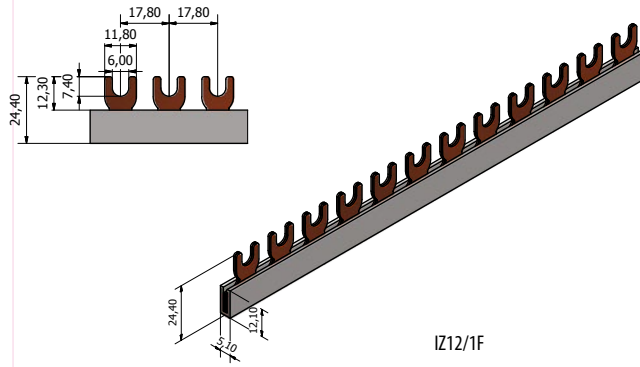


IZ10/L1L2L3NL1/NL2/NL3/N

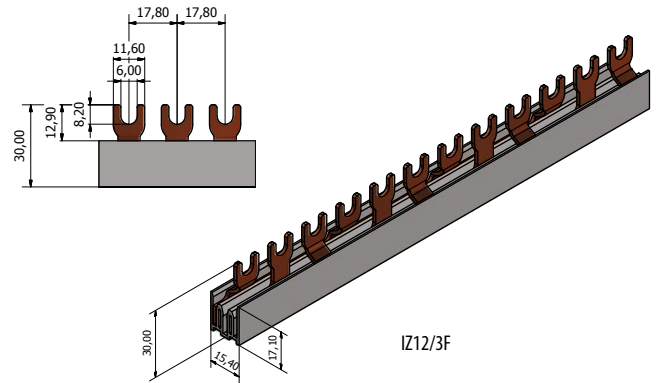


IZ10/L1L2L3_L1L2L3

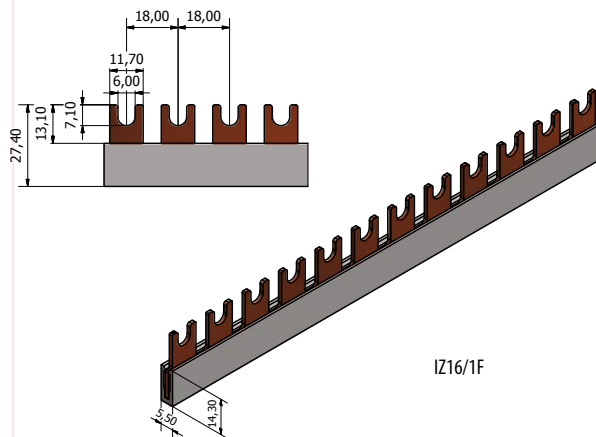
Technical data



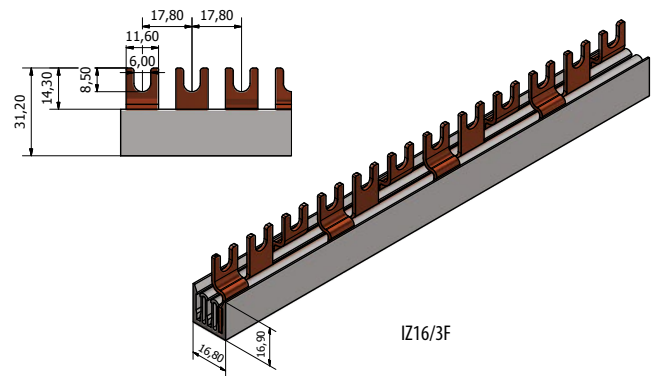
IZ12/1F



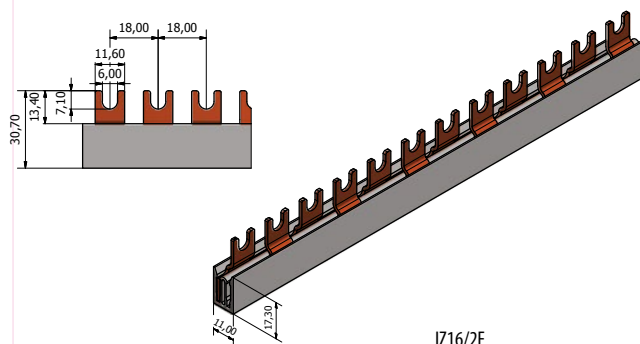
IZ12/3F



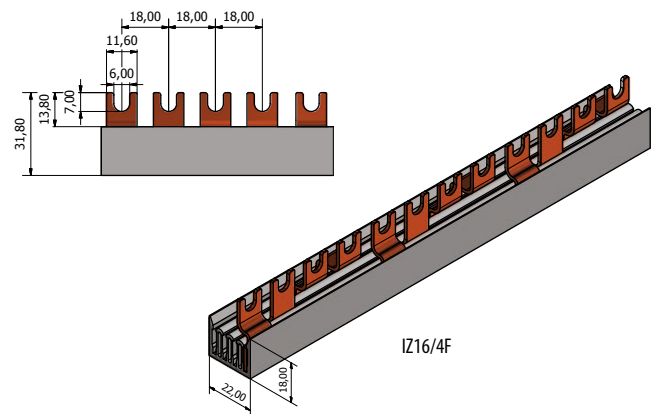
IZ16/1F



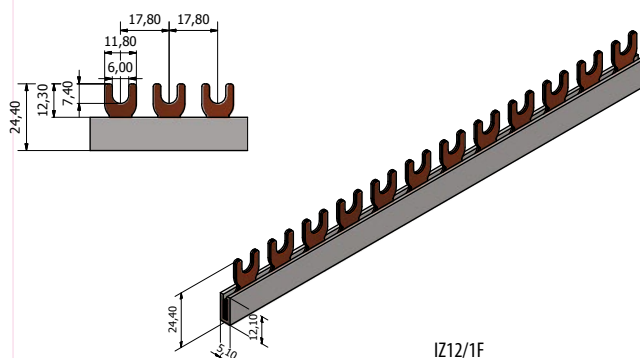
IZ16/3F



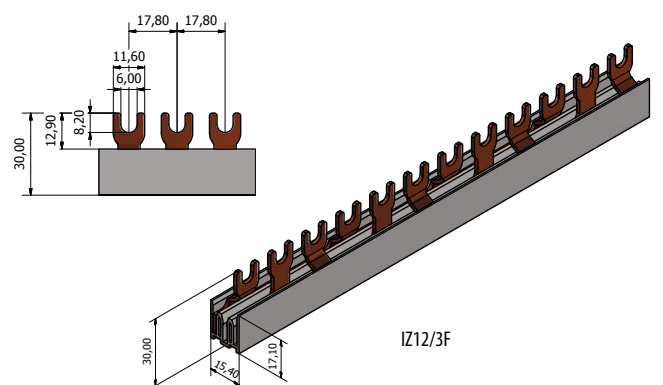
IZ16/2F



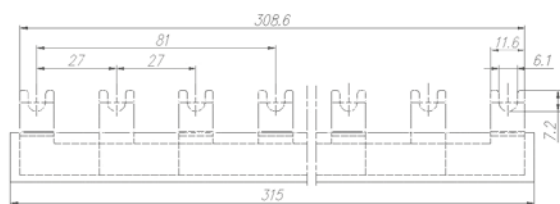
IZ16/4F



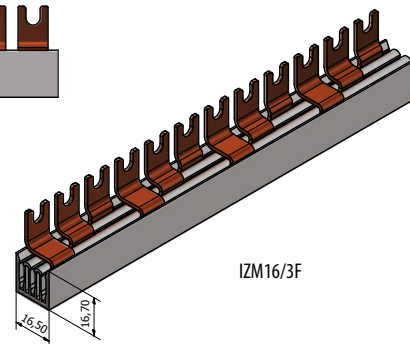
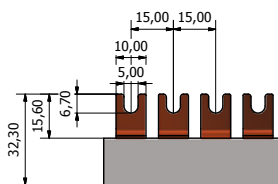
IZ12/1F



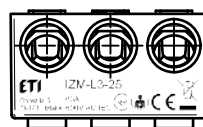
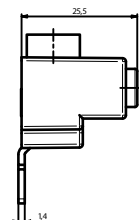
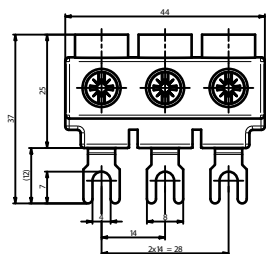
IZ12/3F



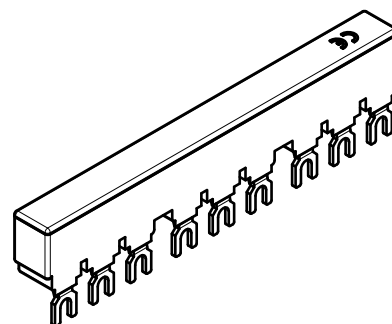
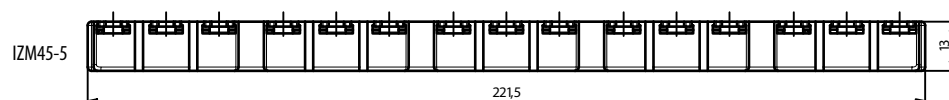
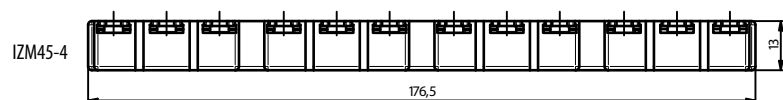
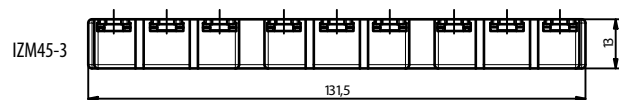
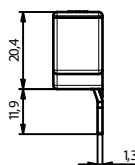
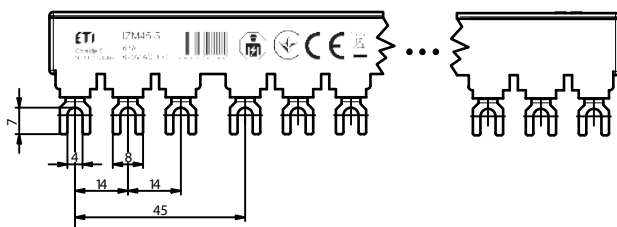
IZ16_3F_12_STV



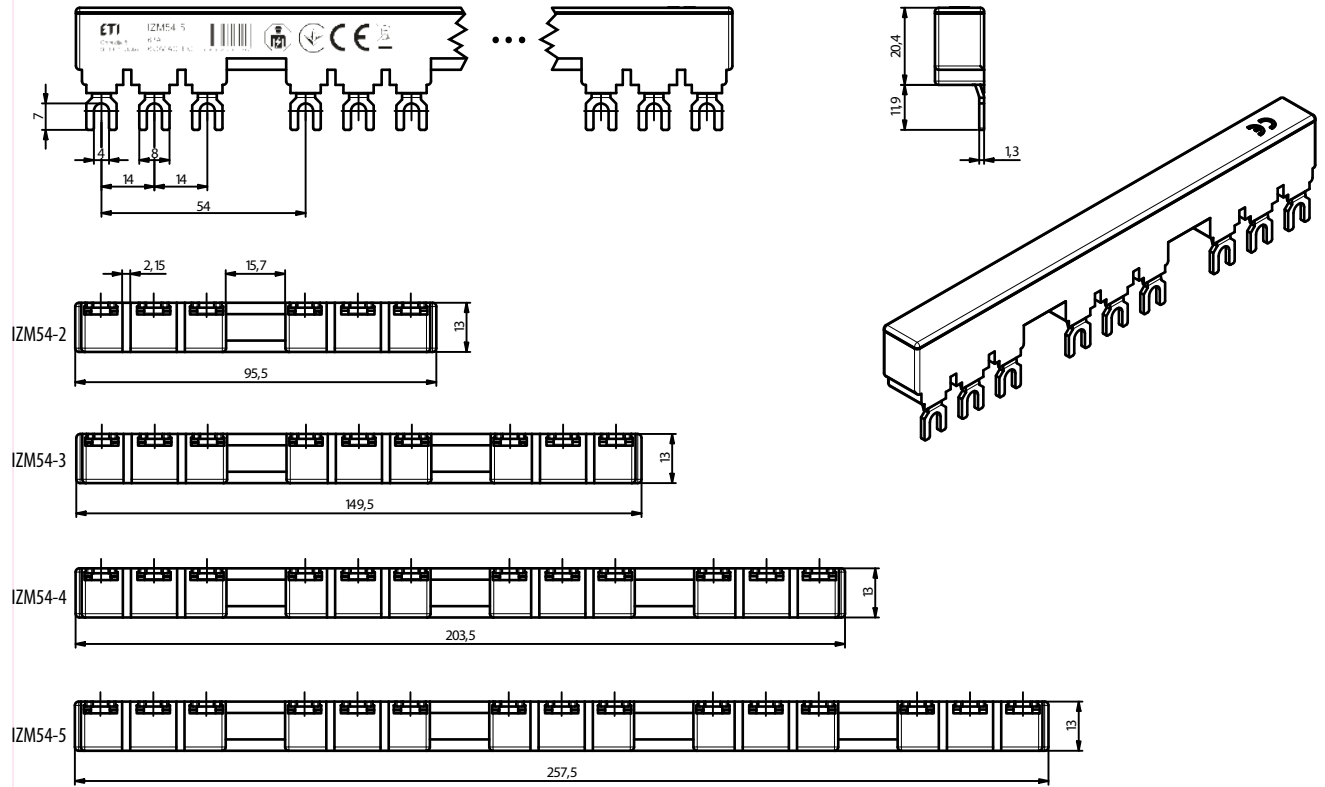
IZM16/3F



IZM-L3-25



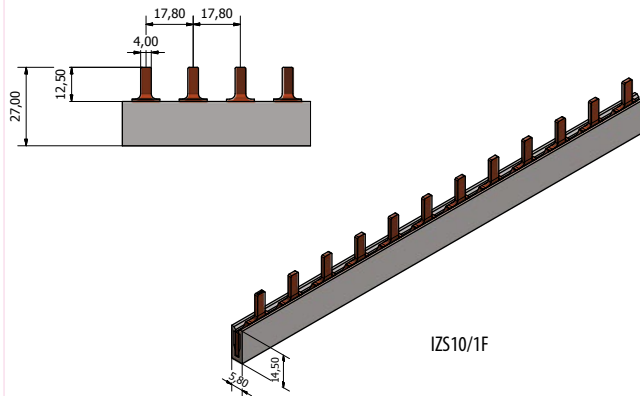
Technical data



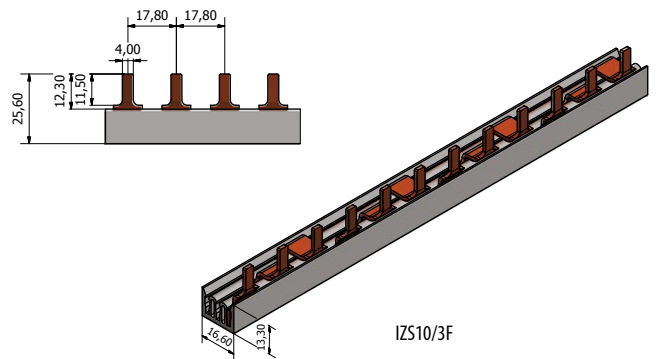
IZ-S rails

Nominal voltage	max. 500V
Dielectric strength	2,5 kV
Insulating resistance	> 5 MΩ (DIN 53482)
Temperature range	-20°C ... + 50°C
Glow wire test	850°C (IEC 695-2-1)
Self-extinguishing	V-0
Standards	EN 60947-7-1

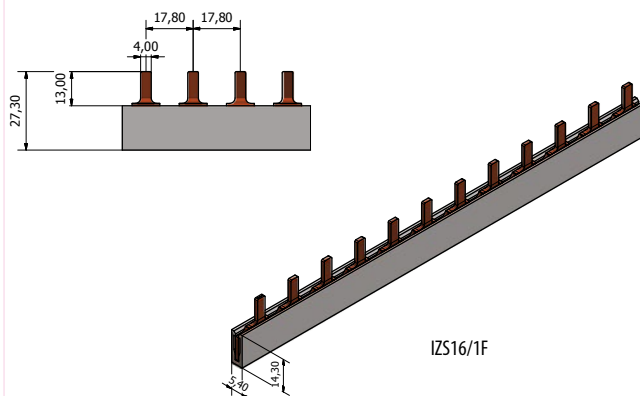
cross section	Rated current (A)
10 mm ²	63
12 mm ²	80
16 mm ²	100



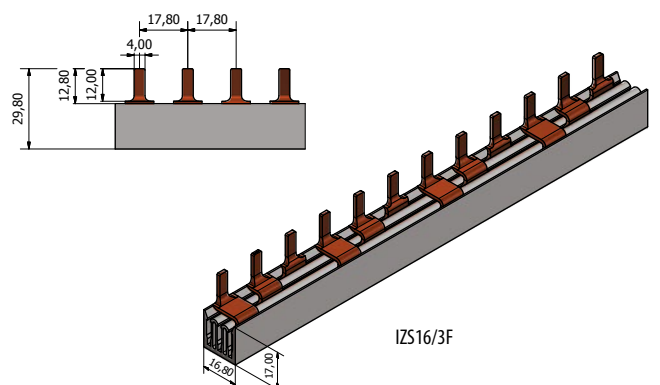
IZS10/1F



IZS10/3F



IZS16/1F



IZS16/3F

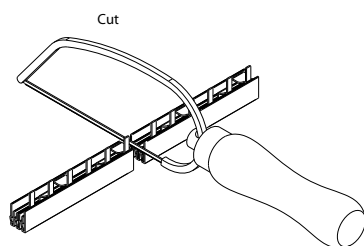
Technical data - Section rails for EFD

Cross section	16 mm ²	50 mm ²
Feeding at beginning/ending		
Max. current Is/Phase	80	160
Cross section of connection, mm ²	16	50
Feeding in the middle		
Max. current Ie/Phase	130	250
Cross section of connection, mm ²	35	2x50
Heat deflection temperature PVC	80°C flame resistant	
Comparative tracking index PVC	300V	
Standards	EN 60947-1:2007/ IEC 60947-1:2007	
Climate stability	DIN EN 60068	
Insulation coordination	Degree of pollution 2	
Electrical data		
Impulse voltage strength	≥4,5 kV	
Min. air distance	> 5,5 mm	
Min. creeping distance	> 5 mm	
Max. operating voltage	690 V AC/DC	
Protection class	IP20	
Short circuit rating	ICC 15kA NH 250A gL 500V	
Dielectric strenght	≥ 32 kV/mm	
Material		
	Material	Surface
Busbar	Copper	plain
Insulation	PVC lead-free	grey RAL 7035
Endcover	moulded	



ATTENTION: To prevent electrical shock, disconnect from power source before installing or servicing.

1.

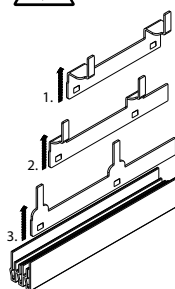


Cut



Danger Installation by electricians only

2.

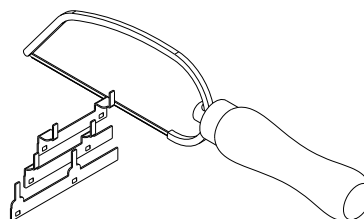


3.

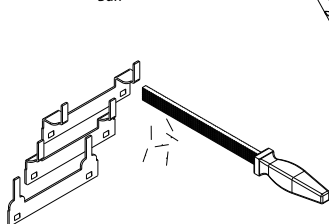


Due to security purposes all shortened busbars need to be covered with suitable endcovers.

Cut back copper

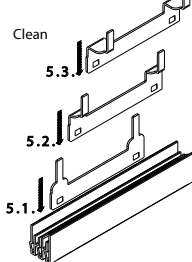


4.



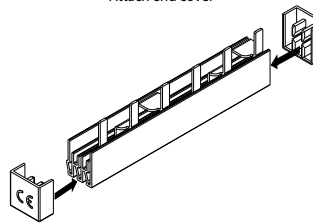
Burr

5.



Clean

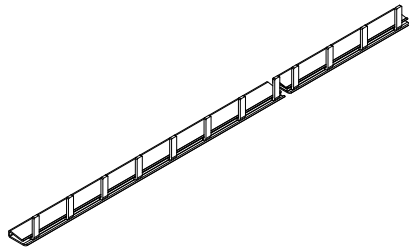
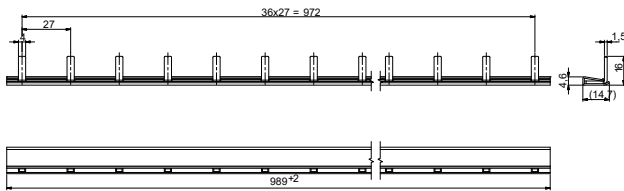
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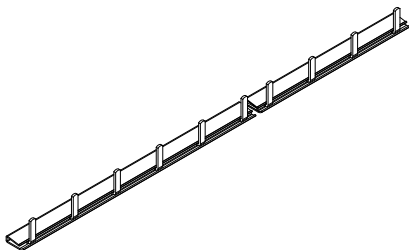
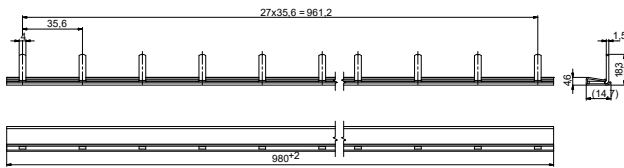
Attach end cover

Technical data

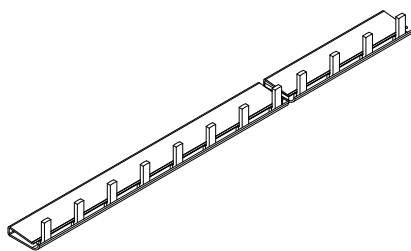
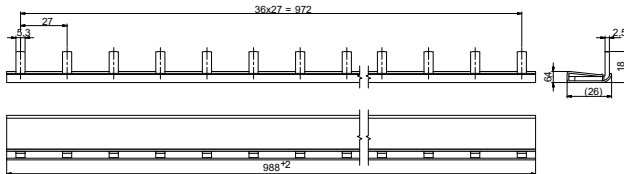
IZ16/1F/37



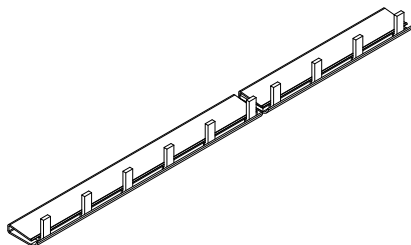
IZ16/1F/28



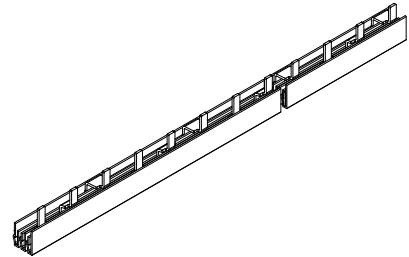
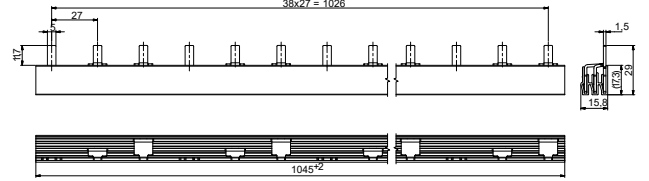
IZ50/1F/37



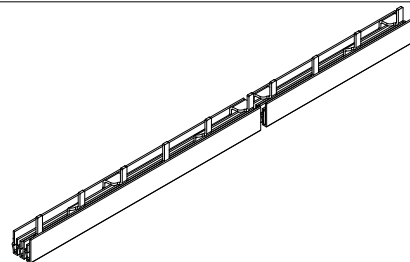
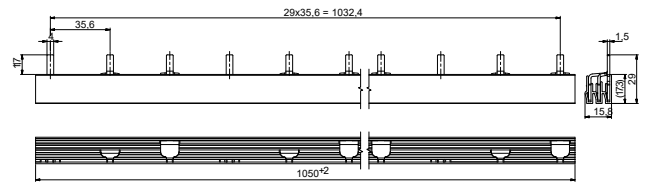
IZ50/1F/28



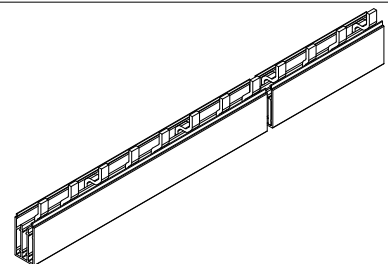
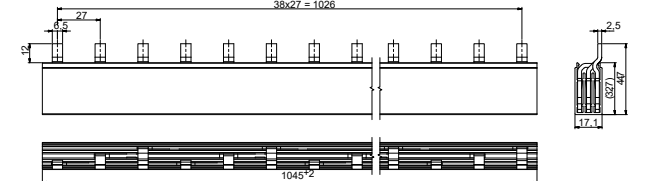
IZ16/3F/37



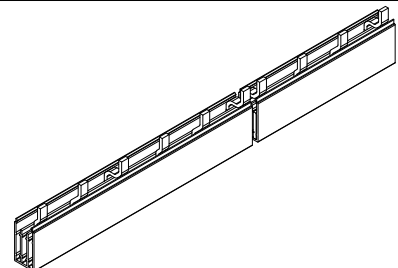
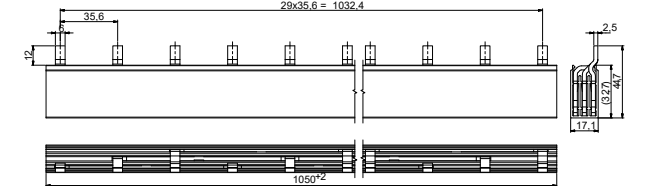
IZ16/3F/28



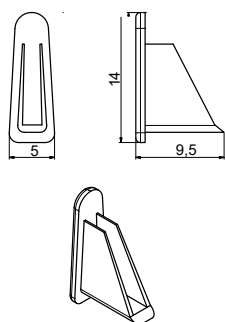
IZ50/3F/37



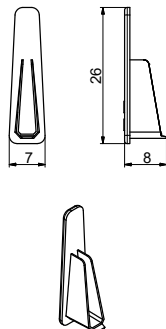
IZ50/3F/28



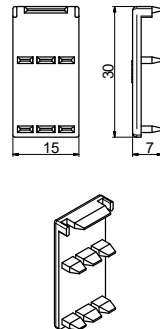
Z-16/1F/37



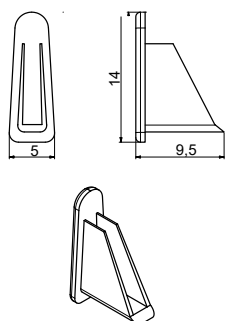
Z-50/1F/37



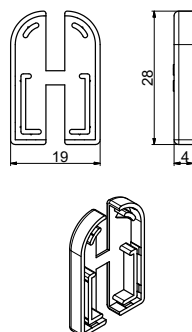
Z-50/3F/39



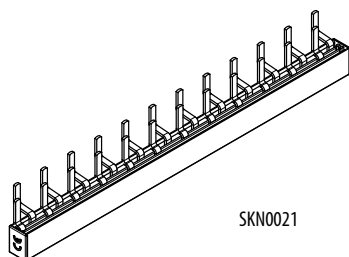
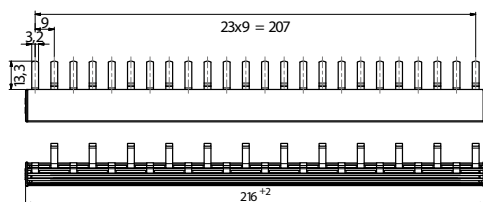
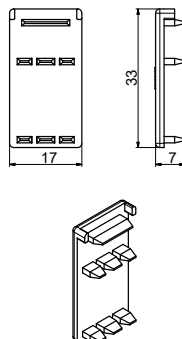
Z-16/1F/28



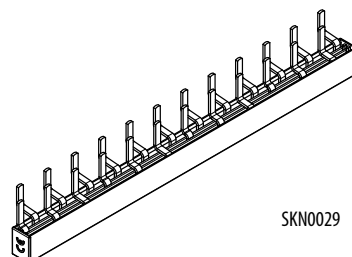
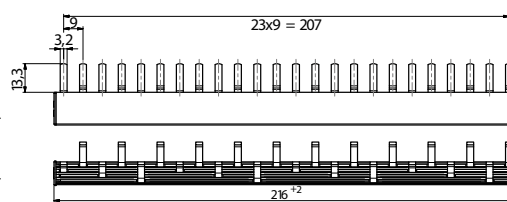
Z-50/1F/28



Z-50/3F/30

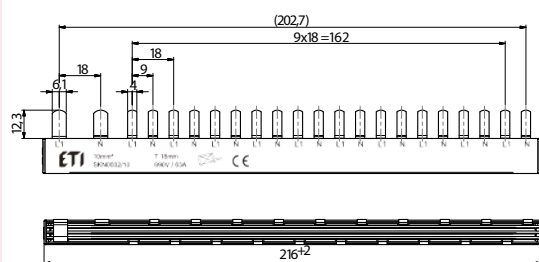


SKN0021

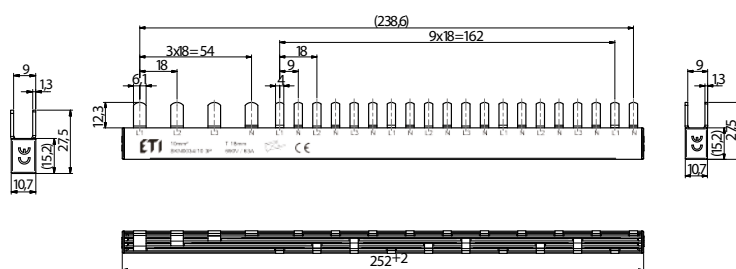


SKN0029

Technical data



SKN0032

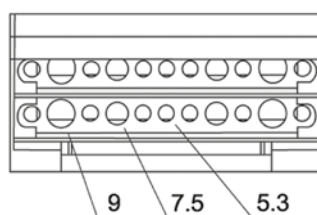
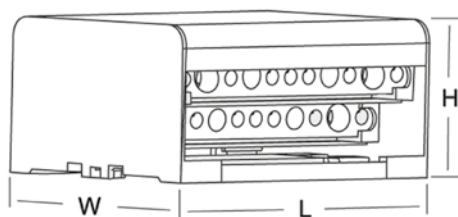


SKN0034 3P

DIN rail distribution blocks EDB

Technical data:

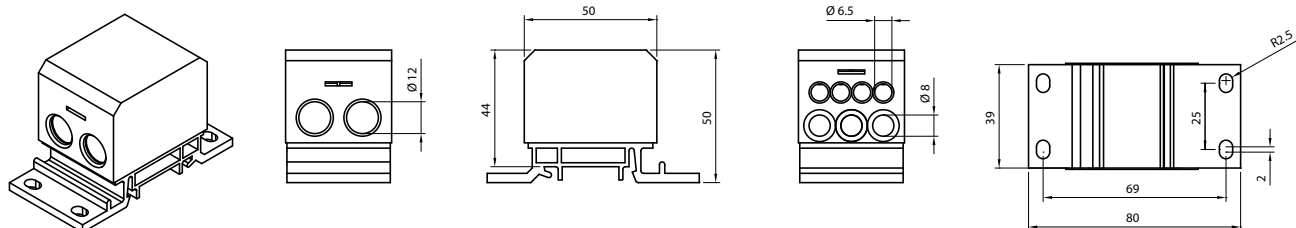
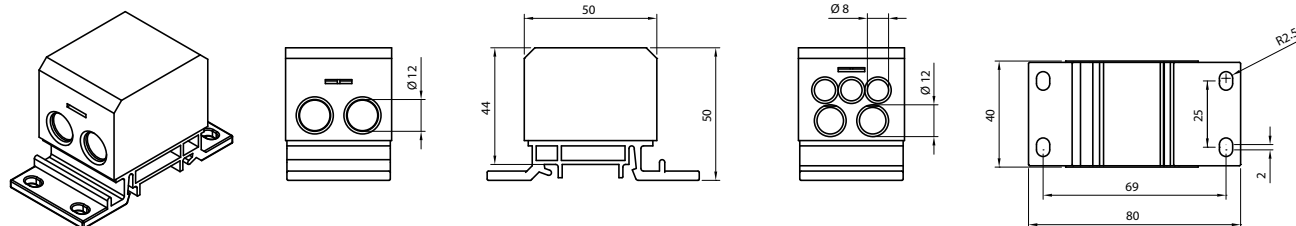
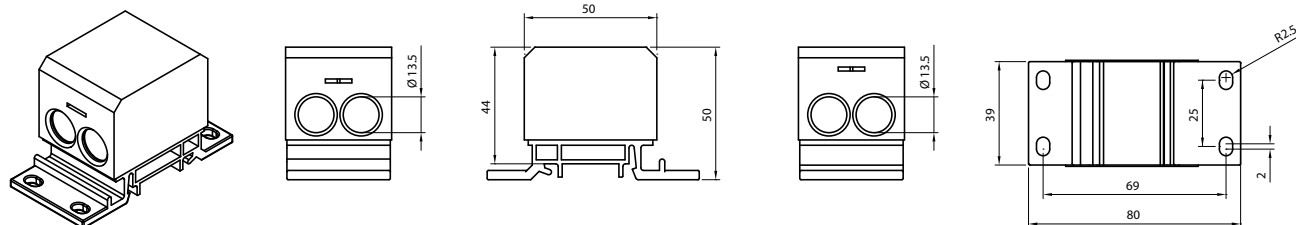
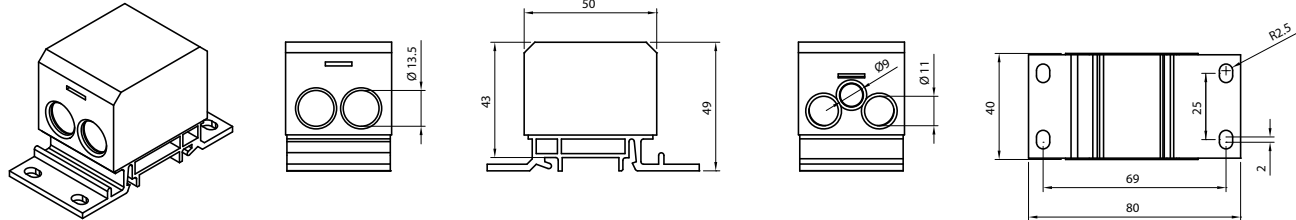
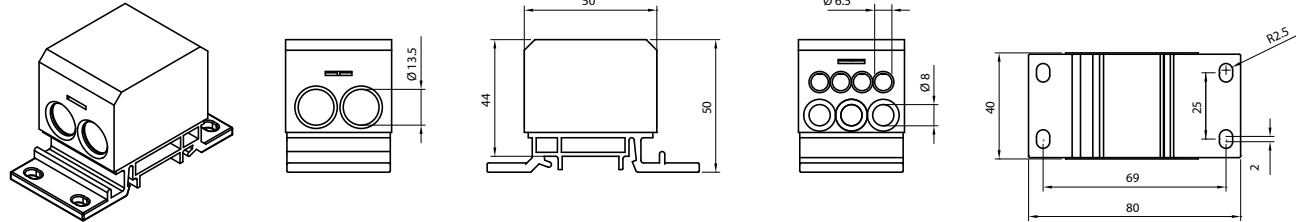
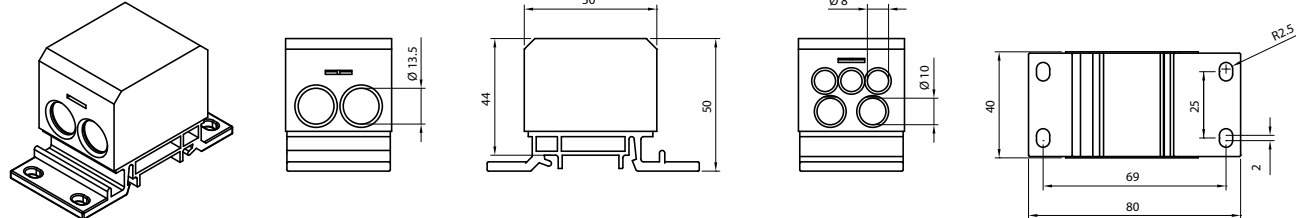
Degree of protection	IP20 (with closed cover)
Short circuit withstand capability I_{cc}	20kA
Rated current	125A
In accordance with	EN 60947-1, EN 60947-7-1



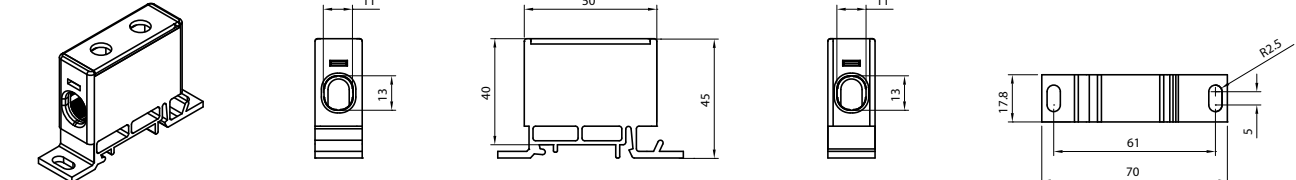
Wire cross section by terminal size

Wire with ferrule	Wire without ferrule	Terminal size [mm]
		
1,5 - 6 mm ²	2,5 - 6 mm ²	Ø 5,3
6 - 16 mm ²	10 - 25 mm ²	Ø 7,5
10 - 16 mm ²	10 - 35 mm ²	Ø 9

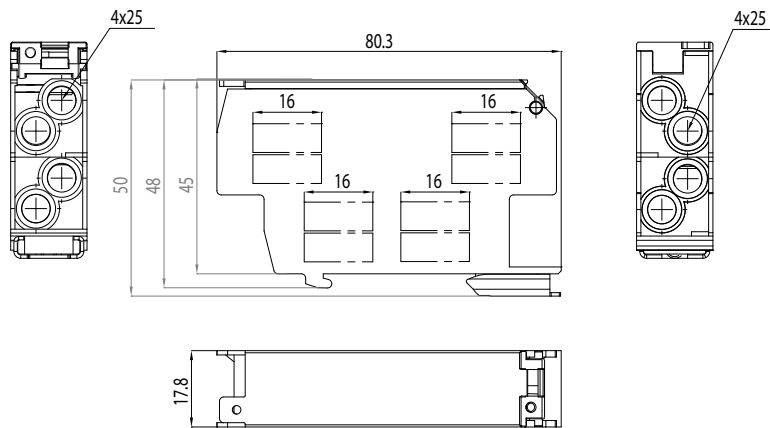
DIN rail distribution blocks EDBM, EDBS

EDBM-1, EDBM-1/N, EDBM-1/PE - 50 mm²EDBM-2, EDBM-2/N, EDBM-2/PE - 50 mm²EDBM-4, EDBM-4/N, EDBM-4/PE - 70 mm²EDBM-6, EDBM-6/N, EDBM-6/PE - 70 mm²EDBM-7, EDBM-7/N, EDBM-7/PE - 70 mm²EDBM-8, EDBM-8/N, EDBM-8/PE - 70 mm²

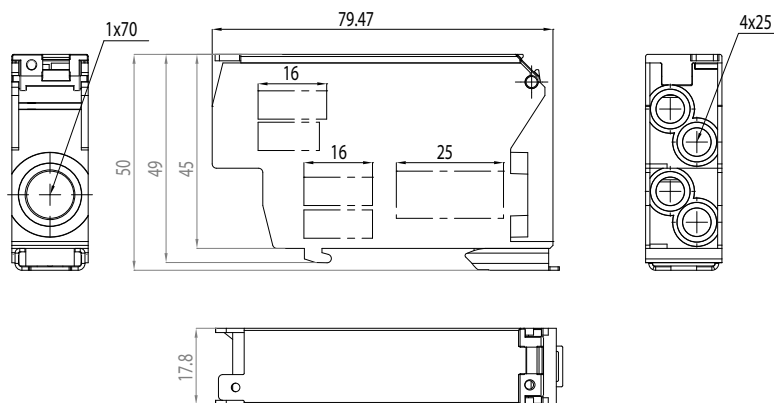
EDBS-50..., EDBS-50../N, EDBS-50../PE



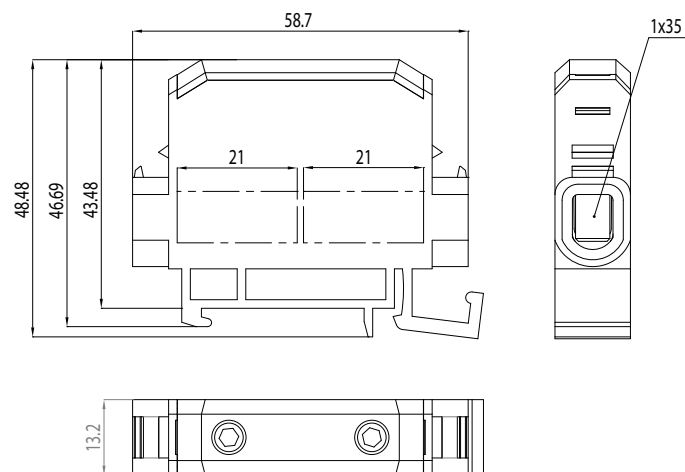
DIN rail distribution blocks EDBJ



EDBJ-4x25-4x25..



EDBJ-1x70-4x25...

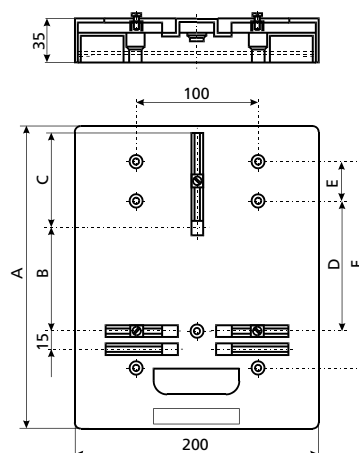


EDBJ-1x35-1x35

METER board

METER board

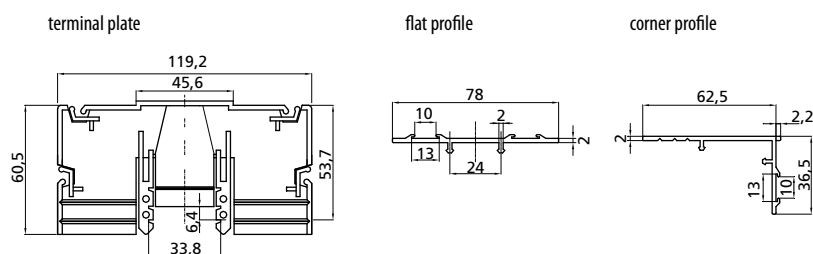
type	dimension					
	A	B	C	D	E	F
MPO	250	80	85	47	63	170
VPO	370	75	170	136	50	241
MP	250	80	85	47	63	270
VP	370	75	170	136	50	241



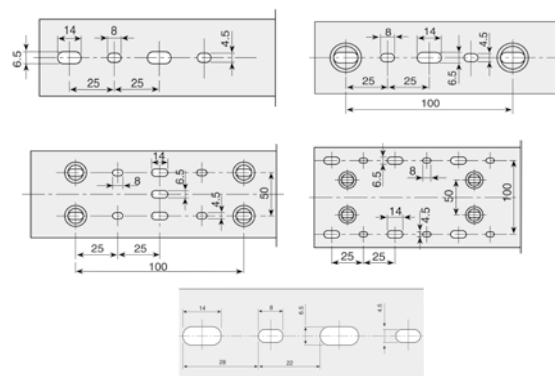
Universal board covering UPO

Technical data:

Standard length of profile	1 m
Number of carriers per 1 m of profile	4 pcs
Distance between mounting rails	125 mm
Width of distance for built-in elements	46 + 0,5 mm



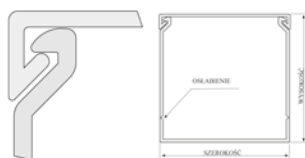
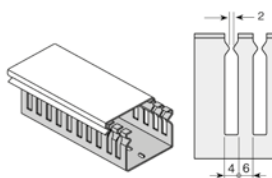
Installation channels



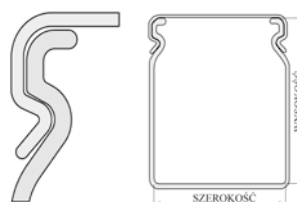
Technical data

Technical data		
Material	PVC, halogen free	
Dimensions	Height	15, 25, 30, 40, 60, 80, 100, 125, 150
	Width	15, 25, 40, 60, 80, 100
Length	2 m	
Colour	RAL 7030	
Tensile strength	390 kg/cm ²	
Dielectric strength	36 kV/mm	
Installation temperature	< 70 °C	
Electrical resistance	6,1 x 10 ⁻¹⁴ Ω/cm	
Flammability	UL 94 V0	
Halogen free	IEC 60754-2	
Directive	RoHS	
Marking	CE	

Side perforation



Type B cover sealing



Type A cover sealing

Mounting insulators

Technical data	
Installation temperature	-20°C ... +120°C
Material	BMC polyester halogen free
Flammability	VO (UL94)

Metric cable glands IP67

Sealing glands with metric thread

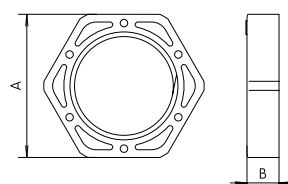
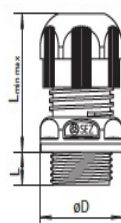
type	sealing range Ømm	assembly spanner	thread	Dimensions					Tightening torque Mk / Nm	Resistance to impact (J)
				L	L _{min}	L _{max}	ØD	assembly opening		
M-12G	2 ÷ 7	16	M12x1,5	8	17	21	16,5	12,5	2,5	40
M-16G	4 ÷ 9	20	M16x1,5	8	21	25	21	16,5	3,75	40
M-20G	8 ÷ 12	24	M20x1,5	10	25	30	26,5	20,5	5	40
M-25G	10 ÷ 16	30	M25x1,5	10	30	37,5	33	25,5	7,5	40
M-32G	12 ÷ 20	36	M32x1,5	12	35	45	40	32,5	10	40
M-40G	16 ÷ 26	46	M40x1,5	12	40	50	51	40,5	10	40
M-50G	20 ÷ 37	55	M50x1,5	14	50	60	61	50,5	10	70
M-63G	25 ÷ 47	70	M63x1,5	14	55	65	78	63,5	10	70

Using glands for cable with a diameter

[illegible]

Metric lock nuts

type	thread	dimensions (mm)		Tightening torque
		A	B	
M-12N	M12x1,5	16	4,5	2,5
M-16N	M16x1,5	22		3,75
M-20N	M20x1,5	27	6	5
M-25N	M25x1,5	34		7,5
M-32N	M32x1,5	41	7	10
M-40N	M40x1,5	50		
M-50N	M50x1,5	60	8	10
M-63N	M63x1,5	75		



Metric sealing rubber washers

type	dimensions (mm)		
	Ø D	Ø D ₁	B
M-12S	16	12	1
M-16S	20,5	16	
M-20S	25	20	1,5
M-25S	31	25	
M-32S	38	32	2
M-40S	48	40	
M-50S	59,4	50,4	
M-63S	76	63	

