



CONNECT AND PROTECT

Cabinet and Wall-mounted Case Accessories

07/2025

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Cabinet Accessories–Mechanics

FRONT PANEL EXPRESS



30402151_e

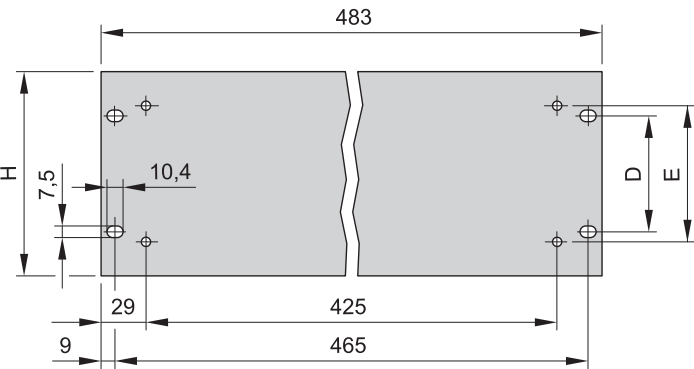
**We make your front panel.
You determine how long it takes us.**

- **Simple:** You configure your front panels direct online. No registration, no program downloads.
The price is displayed immediately.
- **Fast:** You specify your front panel in just a few minutes - and we manufacture it from as little as in 2 days.
- **Flexible:** You determine the quantity and manufacturing time - and thus the cost.
- **Individual:** We make the panels to your specification - mechanical processing, painting and printing.
- **Practical:** We make the job easier for you - if you wish we will also fit the accessories.

19" FRONT PANELS WITH HOLES FOR HANDLES



00592006



BZA42371

- 19" front panels have additional holes for mounting of handles

DELIVERY COMPRISES

Item	Qty	Description
1	1	19" front panel, Al

ORDER INFORMATION

Height	H	D	E	Front panel, 4 mm, anodised	Front panel, 3 mm, pre-anodised, cut edges plain
U	mm	mm	mm	Part no.	Part no.
1	43.6	31.7	25	40304-050	30219-161
2	88.1	76.2	55	40304-051	30219-162
3	132.5	57.1	88	40304-052	30219-163
4	177.0	101.6	120	40304-053	30219-164
5	221.4	146.0	180	40304-054	30219-165
6	265.9	190.4	180	40304-055	30219-166

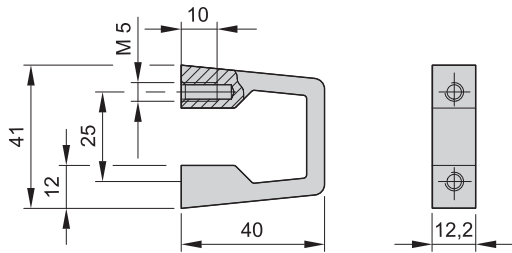
NOTE

- 19" assembly kit, see page 3.17

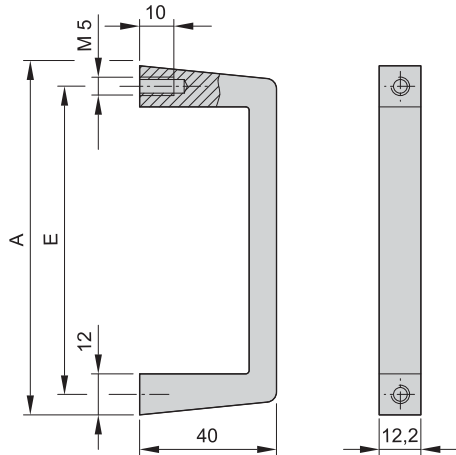
Cabinet Accessories–Mechanics

FRONT HANDLE, ONE-PIECE, WIDTH 12.2 MM

1 U



2 U ... 6 U



- Static load-carrying capacity 30 kg/pair
- Bolted from rear

DELIVERY COMPRISES

Item	Qty	Description
1	1	Front handle, Al extrusion, anodised

ORDER INFORMATION

Height U	A mm	E mm	clear anodised Part no.	black anodised Part no.
1	41	25	10501-116	–
2	69	55	10501-004	10501-025
3	102	88	10501-005	10501-026
4	132	120	10501-006	10501-027
5	194	180	10501-007	10501-028
6	249	235	10501-008	10501-029

Accessories

Panhead screw pozidrive self-locking, M5 × 12, zinc-plated, PU 100 pieces	21100-788
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Delivery is exclusively in Standard Pack Quantity (SPQ): Minimum order quantity 10 front handles or a multiple thereof

NOTE

- Please order panhead screws separately

Cabinet Accessories–Mechanics

19" FRONT PANELS

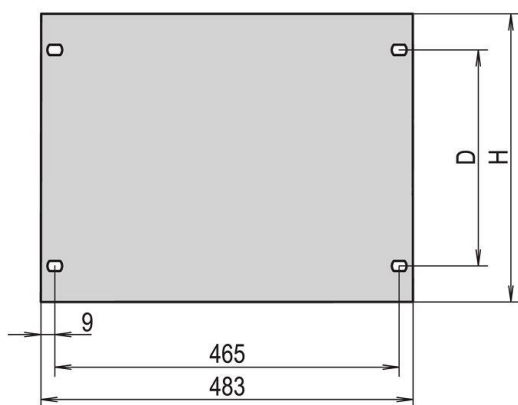


- Al anodised, colours light grey (RAL 7035) or black grey (RAL 7021)

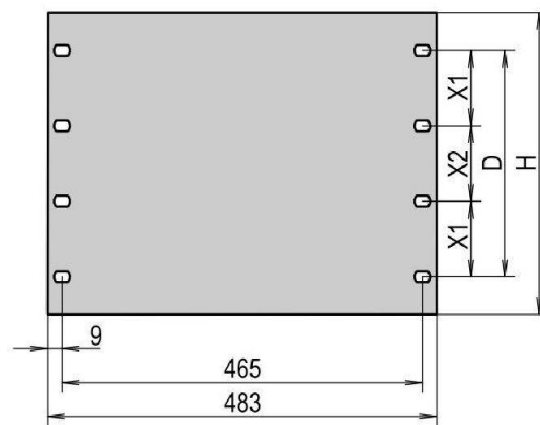
DELIVERY COMPRISES

Item	Qty	Description
1	1	19" front panel, Al, 3 mm/4 mm

DIMENSIONS: 1 - 8 U



DIMENSIONS: 7 - 10 U



ORDER INFORMATION

Height	H	D	X1	X2	Mounting holes	3 mm thick, RAL 7021	3 mm thick, RAL 7035	3 mm, Al anodised, cut edges plain	4 mm, Al anodised
U	mm	mm	mm	mm	pieces	Part no.	Part no.	Part no.	Part no.
1	43.6	31.7	–	–	4	30118-948	30118-299	30219-098	40304-074
2	88.1	76.2	–	–	4	30118-949	30118-301	30219-101	40304-075
3	132.5	57.1	–	–	4	30118-950	30118-302	30219-104	40304-076
4	177.0	101.6	–	–	4	30118-951	30118-303	30219-107	40304-077
5	221.4	146.0	–	–	4	30118-952	30118-304	30219-110	40304-078
6	265.9	190.4	–	–	4	30118-953	30118-305	30219-113	40304-079
7	310.3	234.9	–	–	4	–	–	30219-137	40304-080
7	310.3	234.9	88.9	57.1	8	30118-954	30118-306	–	–
8	354.8	279.4	–	–	4	–	–	30219-138	40304-081
8	354.8	279.4	101.6	76.2	8	30118-955	30118-307	–	–
9	399.2	323.8	101.6	120.6	8	30118-956	30118-308	30219-143	40304-082
10	443.7	368.3	101.6	165.1	8	30118-957	30118-309	30219-144	40304-083

Delivery: supplied loose with cabinet or frame

Part no./35

NOTE

- 19" assembly kit see page 3.17

Cabinet Accessories–Mechanics

CLIP-ON 19" PLASTIC FRONT PANELS



- Simple fitting by clipping onto the 19" plane
- Attractive design
- Two colors: light grey or black
- 6 U front panels can be snapped off in 1, 2 or 3 U increments without tools

DELIVERY INCLUDES

Item	Qty	Description
1	10	Clip-on 19" plastic front panels, ABS, antistatic, UL 94 V-0

ORDER INFORMATION

Height U	Height mm	Description	Part No.
1	43.6	black	D19BPT1RU
1	43.6	light grey	87927991
2	88.1	black	D19BPT2RU
2	88.1	light grey	87927992
6	270.0	black	23130-622
6	270.0	light grey	23130-623
Delivery: supplied loose with cabinet or frame			Part no./35

Cabinet Accessories–Mechanics

19" VENTED FRONT PANEL



00504005

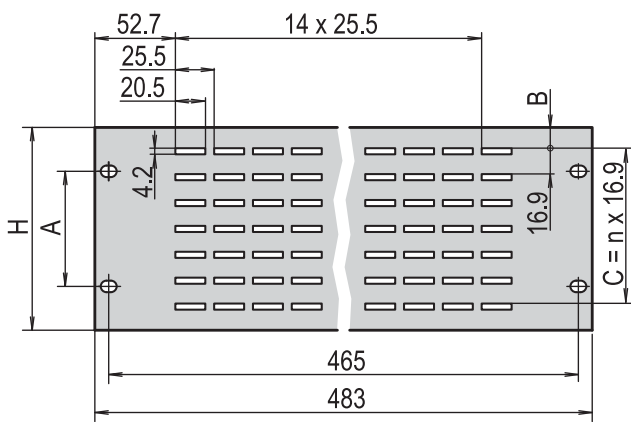
- Al anodised, Al untreated, light grey (RAL 7035) or black grey (RAL 7021)

DELIVERY COMPRISES

Item	Qty	Description
1	1	19" vented front panel, Al, 2.5 mm

NOTE

- 19" assembly kit see page 3.17



00502509

ORDER INFORMATION

Height	H	A	B	C	RAL 7021	RAL 7035	Al anodised	Al untreated
U	mm	mm	mm	mm	Part no.	Part no.	Part no.	Part no.
1	43.6	31.7	11.2	16.9	30118-962	30702-056	30702-047	30702-044
2	88.1	76.2	16.6	50.7	30118-963	30702-057	30702-048	30702-045
3	132.5	57.1	13.5	101.4	30118-964	30702-058	30702-049	30702-046
Delivery: supplied loose with cabinet or frame								Part no./35

19" VENTED FRONT GRILLE, 2 U



02892009

DELIVERY COMPRISES (kit)

Item	Qty	Description
1	1	Front grille, plastic, black
2	1	Filter
3	1	Retention bracket, St, 1 mm, hot-dip aluminized

ORDER INFORMATION

Description	Part no.
19" vented front grille, 2 U	60715-049
Accessories	
Replacement filter for 19" vented front grille 2 U, PU 3 pieces	60715-050
Delivery: supplied loose with cabinet or frame	
Part no./35	

NOTE

- 19" assembly kit see page 3.17

Cabinet Accessories–Mechanics

19" FRONT PANEL FOR CABLE EYES



00509001

- 19" front panel to accommodate cable eyes (to mount the eyes, insert and rotate them 45°)

DELIVERY COMPRISES

Item	Qty	Description
1	1	19" front panel, 1 U, St, 1.5 mm

ORDER INFORMATION

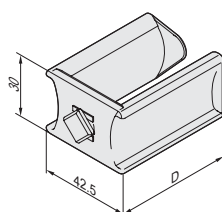
Height H	Height H	RAL 7021	RAL 7035
U	mm	Part no.	Part no.
1	43.6	20118-762	20118-761
Delivery: supplied loose with cabinet or frame			Part no./35

NOTE

- Please order cable eyes separately
- 19" assembly kit, see page 3.17



00506020



41804050

Plastic cable eyes mounted on 19" front panel

PLASTIC CABLE EYE

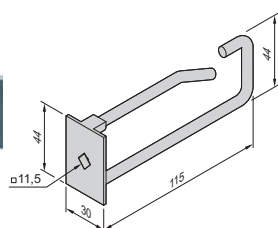
- Simple to fit cable eyes: insert and rotate them 45°

ORDER INFORMATION

Plastic cable eye	Part no.
Depth D = 55 mm, with clip, PU 5 pieces	60118-458
Depth D = 100 mm, with clip, PU 5 pieces	60118-459
Delivery: supplied loose with cabinet or frame	
	Part no./35



00506019



00506050

Steel cable eyes mounted on 19" front panel

STEEL CABLE EYE

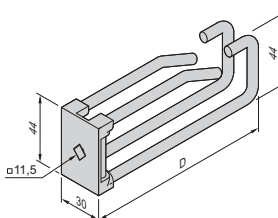
- Simple to fit cable eyes: insert and rotate them 45°

ORDER INFORMATION

Steel cable eye	Part no.
Round steel 5 mm, width 44 mm, depth 115 mm, PU 5 pieces	60118-457
Delivery: supplied loose with cabinet or frame	
	Part no./35



00509005



00509050

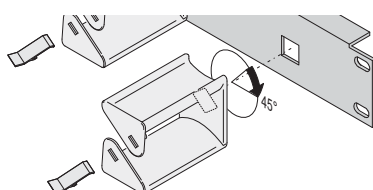
Rubber pad mounted on double steel cable eyes

DOUBLE STEEL CABLE EYE

- Simple to fit cable eyes: insert and rotate them 45°

ORDER INFORMATION

Double steel cable eye	Part no.
Round steel 5 mm, width 44 mm, depth D = 80 mm, PU 5 pieces	60118-473
Round steel 5 mm, width 44 mm, depth D = 115 mm, PU 5 pieces	60118-474
Accessories	
Rubber pad for double steel cable eye for depth D = 80 mm, PU 5 pieces	60118-475
Rubber pad for double steel cable eye for depth D = 115 mm, PU 5 pieces	60118-476
Delivery: supplied loose with cabinet or frame	
	Part no./35



41806051

To fix cable eye to front panel: insert and rotate it 45° (example with plastic cable eye)

Cabinet Accessories–Mechanics

19" FRONT PANEL WITH CABLE DUCTING AND CABLE THROUGH DUCTING



00506016

DELIVERY COMPRISES

Item	Qty	Description
1	2	19" front panel with integrated cable ducting, St, 1.5 mm, 78 mm deep

ORDER INFORMATION

Height U	Height mm	Description	RAL 7035 Part no.	RAL 7021 Part no.
1	43.6	2 oval cable ducting openings, 150 x 32 mm	20118-757	20118-758
2	88.1	2 oval cable ducting openings, 150 x 76 mm	20118-759	20118-760

Delivery: supplied loose with cabinet or frame

Part no./35

NOTE

- 19" assembly kit, see page 3.17

19" CABLE THROUGH DUCTING



01696006

- Mounting height 1 U or 2 U

DELIVERY COMPRISES

Item	Qty	Description
1	2	19" cable ducting, St, 1.5 mm

ORDER INFORMATION

Height U	Height mm	Description	RAL 7021 Part no.	RAL 7035 Part no.
1	43.6	Cable ducting opening 27.5 x 438 mm	20118-767	20118-734
2	88.1	Cable ducting opening 72.0 x 438 mm	20118-768	20118-736

Delivery: supplied loose with cabinet or frame

Part no./35

NOTE

- 19" assembly kit see page 3.17

Cabinet Accessories–Mechanics

19" CABLE DUCTING WITH BRUSH STRIP



Illustration shows silver anodized

01604007

- Mounting height 1 U
- No threading necessary
- Color in silver or black

DELIVERY INCLUDES

Item	Qty	Description
1	2	Al-profile, anodized with brush strip (plastic, black), pressed, color see ordering information

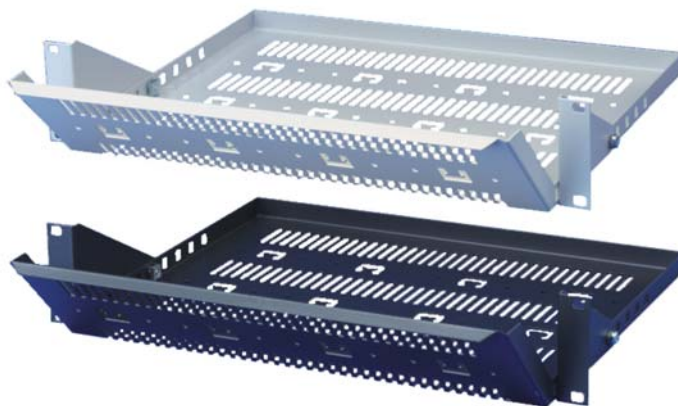
ORDER INFORMATION

Description	Part No.
Silver anodised	60118-437
Black anodised	64230-096
Delivery: supplied loose with cabinet or frame	Part no./35

NOTE

- 19" assembly kit see page 3.17

19" CABLE TRAY, 2 U



00507001

- Load-carrying capacity 15 kg
- Installation height 2 U
- Depth adjustable in 25 mm grid increments, forward protrusion min. 91 mm, max. 191 mm

DELIVERY COMPRISES (Kit)

Item	Qty	Description
1	1	19" cable tray, 2 U, St, 1.5 mm
2	2	Mounting bracket, St, 1.5 mm

ORDER INFORMATION

Width mm	Depth mm	RAL 7021 Part no.	RAL 7035 Part no.
430	450	20118-795	20118-794
Delivery: supplied loose with cabinet or frame			Part no./35

NOTE

- 19" assembly kit see page 3.17

Cabinet Accessories–Mechanics

CABLE MANAGER, HORIZONTAL



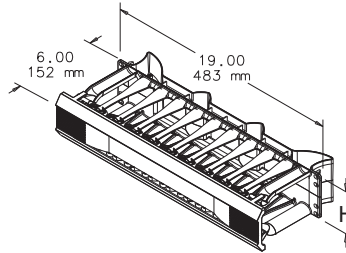
Front

40011010



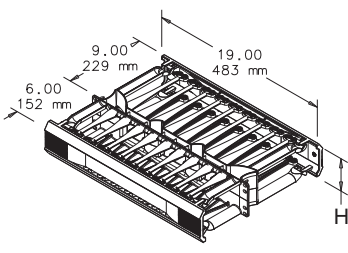
Front and rear

40011006



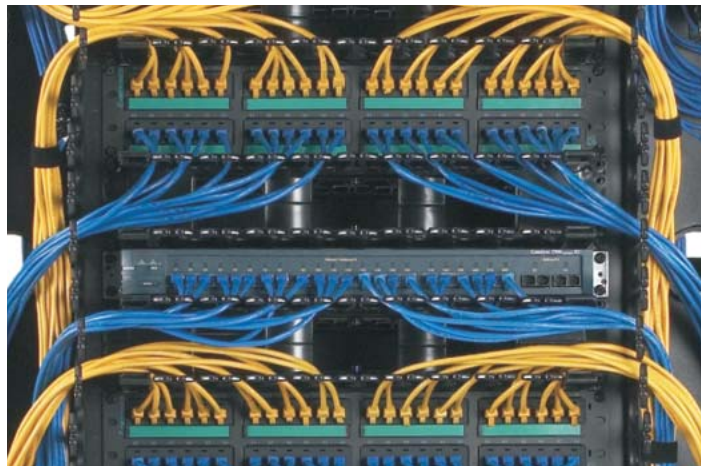
Front

89073653



Front and rear

89073654



Application

40011009

- Excellent horizontal cable ducting for large cable volumes
- The cables are held with robust, rounded cable fingers
- Quick access to cables (cover hinges upwards, downwards or comes off completely)
- Simple to fit: clip in then screw down
- 1 and 2 U versions
- Versions for front and rear cable routing
- Optimal cabling from horizontal to vertical

DELIVERY COMPRISES

Item	Qty	Description
1	1	Cable manager, plastic, black
2	1	Fitting material with user manual

ORDER INFORMATION

Description	Height H U	mm	Width mm	Depth mm	Part no.
Front	1	44,5	483.00	152 mm	DCHS1
Front	2	88,9	483.00	152 mm	DCHS2
Front and rear	2	88,9	483.00	229 mm + 152 mm	DCHD2

NOTE

- 19" assembly kit see page 3.17



Cable manager with hinged cover

40011007



Top view, cable manager with cable fingers front and rear

40011008

Cabinet Accessories–Mechanics

19" EQUIPMENT SHELF, 1 U



00508007

- Static load-carrying capacity 5 kg
- Mounting height 1 U

DELIVERY COMPRISES

Item	Qty	Description
1	1	Equipment shelf, St, 1.5 mm

ORDER INFORMATION

Width mm	Depth mm	AlZn Part no.	RAL 7021 Part no.	RAL 7035 Part no.
447	390	20118-781	20118-782	20118-783
Delivery: supplied loose with cabinet or frame				Part no./35

- 19" assembly kit, see page 3.17

19" EQUIPMENT SHELF, 2 U



00508003

- Static load-carrying capacity 10 kg
- Mounting height 2 U

DELIVERY COMPRISES

Item	Qty	Description
1	1	Equipment shelf, St, 1.5 mm

ORDER INFORMATION

Width mm	Depth mm	RAL 7021 Part no.	RAL 7035 Part no.
447	238	20118-784	20118-785
Delivery: supplied loose with cabinet or frame			
Part no./35			

- 19" assembly kit, see page 3.17

19" EQUIPMENT SHELF, DEPTH-ADJUSTABLE, 2 U



00508010

- Static load-carrying capacity 15 kg
- Installation height 2 U
- Depth adjustable in 25 mm grid increments, forward protrusion min. 26 mm

DELIVERY COMPRISES (kit)

Item	Qty	Description
1	1	Equipment shelf, St, 1.5 mm
2	2	Mounting bracket with assembly kit, St, 1.5 mm

ORDER INFORMATION

Width mm	Depth mm	RAL 7021 Part no.	RAL 7035 Part no.
430	250	20118-786	20118-789
430	300	20118-787	20118-790
430	400	20118-788	20118-791
Delivery: supplied loose with cabinet or frame			
Part no./35			

- 19" assembly kit, see page 3.17

Cabinet Accessories–Mechanics

19" SHELF, STATIONARY, DEPTH-ADJUSTABLE, 1 U



Shelf with variable mounting dimensions

40011016

- Static load-carrying capacity 68 kg
- Mounting height 1 U
- For mounting on four 19" posts or four 19" panel/slide mounts
- Variable mounting dimensions (depth-adjustable from 19" angle to 19" angle)
- 2 versions
 - Mounting dimensions 495 ... 851 mm
 - Mounting dimensions 792 ... 1151 mm
- 2 oval cut-outs for cable ducting
- Colour black, RAL 9005

DELIVERY COMPRISES

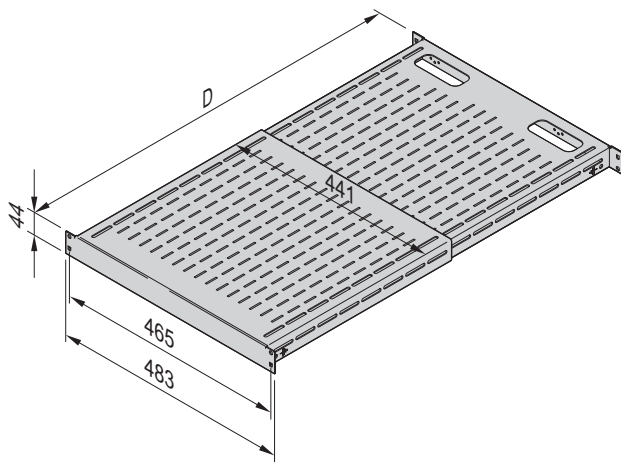
Item	Qty	Description
1	1	Shelf, depth-adjustable, width 19", RAL 9005 (black); shelf is suspended on 19" upright or 19" panel/slide mount
2	1	Fitting material with user manual

ORDER INFORMATION

19" shelf, stationary, depth-adjustable, 1 U	Part no.
Mounting dimensions D 495 ... 851 mm	D19FVT69B
Mounting dimensions D 792 ... 1151 mm	D19FVT912B

NOTE

- 19" assembly kit see page 3.17



89073664

Cabinet Accessories–Mechanics

19" DRAWER



- Height 1, 2 or 3 U
- Static load-carrying capacity 15 kg
- Optional writing surface

DELIVERY COMPRISES ((assembled))

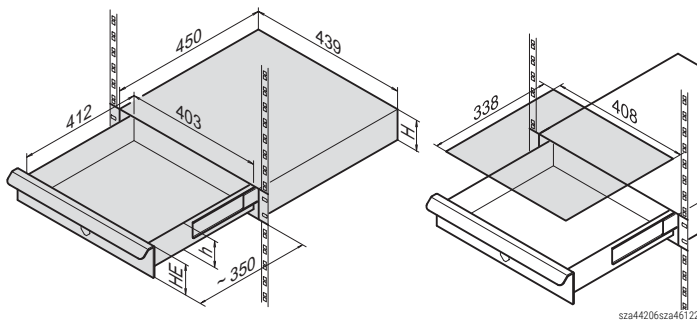
Item	Qty	Description
1	1	19" drawer with lock (2 keys)
2	1	Assembly kit

ORDER INFORMATION

Height H	Height h	Front panel ano- dised	Front panel RAL 7021	Front panel RAL 7035
U	mm	mm	Part no.	Part no.
1	41.6	30	20110-061	20110-180
2	86.0	73	20110-062	20110-181
3	130.5	117	20110-063	20110-182

Accessories

Writing surface for 19" drawer St, 1 mm, RAL 7035, 1 piece	20110-060
Delivery: supplied loose with cabinet or frame	Part no./35



19" drawer

Writing surface

Cabinet Accessories–Mechanics

19" DISTRIBUTION FIELD, CAT 6



Distribution field Cat 6

01604002

- 1 U distribution field with 24 x RJ45 ports
- For use in communications networks, in accordance with ISO/IEC 11801 (as at 03/95)
- Meets the specifications for EN 50 173 (as at 07/95)
- Easy to fit thanks to dual insulation displacement technique (LSA+/110)
- Case can be opened and closed without tools, with quick-release fastener

DELIVERY COMPRISES (assembled)

Item	Qty	Description
1	1	19" case, shielded, St, RAL 7035, 1 U, with earthing stud
2	3	Backplanes with 8 x dual insulation displacement technique for AWG 22–24 cables and 8 x RJ45 sockets
3	24	Cable ties

ORDER INFORMATION

Description	Part no.
19" distribution field, Cat 6	60118-435
Delivery: supplied loose with cabinet or frame	Part no./35

NOTE

- 19" assembly kit see page 3.17

DOCUMENT POCKET



Steel, DIN A4

Plastic, DIN A4

00506004 00506005

- For storage of documents and circuit diagrams
- Assembly with double sided adhesive tape

DELIVERY COMPRISES

Item	Qty	Description
1	1	Document pocket
2	1	Adhesive tape

ORDER INFORMATION

Description	Dimensions H x W x D mm	Part no.
Steel, DIN A4, RAL 7035	180 x 336 x 34	21126-271
Plastic, DIN A4, grey	195 x 356 x 21	60100-302
Plastic, DIN A3, grey	305 x 305 x 25	ADP2
Delivery: supplied loose with cabinet or frame		Part no./35

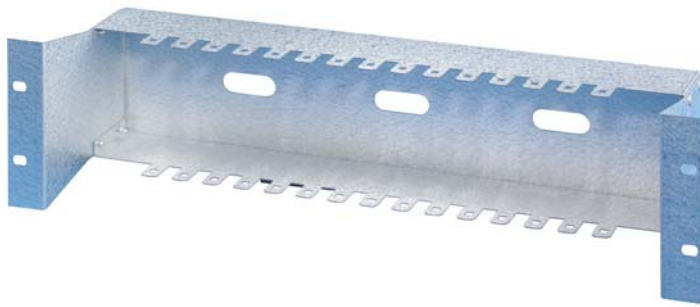


Plastic, DIN A3

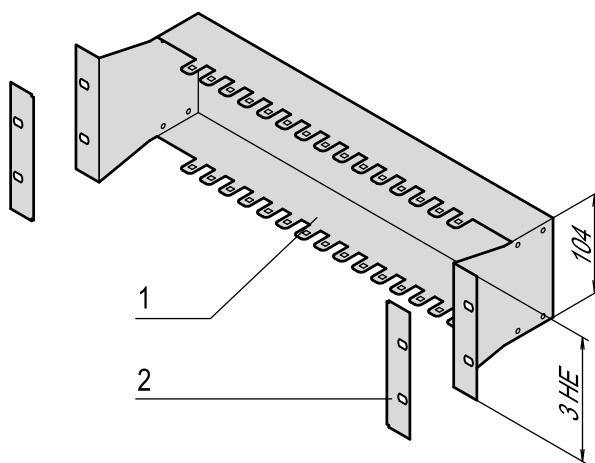
00506006

Cabinet Accessories–Mechanics

19" MOUNTING TRAY FOR LSA+



00506008



VT445668

- Mounting height 3 U
- For retention of up to 15 LSA+ guide rails

DELIVERY COMPRISES (kit)

Item	Qty	Description
1	1	19" mounting tray, St, 1.5 mm, finish AlZn
2	2	Flange cover, Al, anodised

ORDER INFORMATION

Description	Part no.
19" mounting tray for LSA+	21493-079
Delivery: supplied loose with cabinet or frame	Part no./35

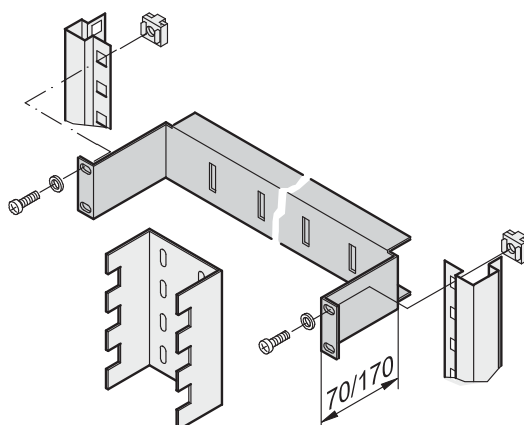
NOTE

- 19" assembly kit see page 3.17

19" MOUNTING BRACKET



00506007



SC30

- Mounting height 1 U
- For fixing cable channels and system rails (e.g. LSA+ or Infra+)
- Mounting plane set back by optionally 70 or 170 mm relative to the 19" plane

DELIVERY COMPRISES

Item	Qty	Description
1	1	19" mounting bracket, St, 1.5 mm, RAL 7035

ORDER INFORMATION

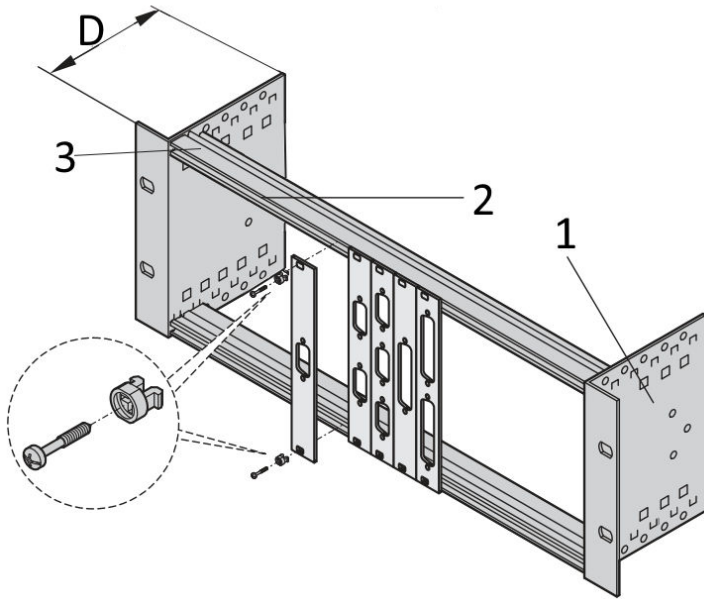
Description	Depth mm	Part no.
19" mounting bracket	70	30118-802
19" mounting bracket	170	30118-803
Delivery: supplied loose with cabinet or frame		Part no./35

NOTE

- 19" assembly kit see page 3.17

Cabinet Accessories–Mechanics

19" MODULE SUPPORT, 3 U



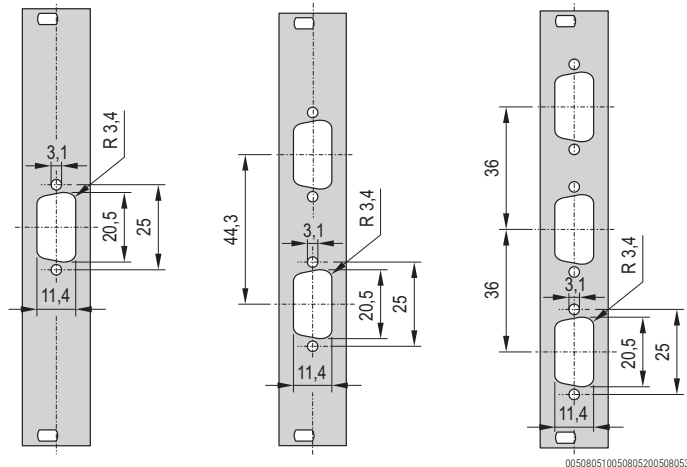
- 19" Subrack 3U, 84HP, 115mm deep
- For assembly of partial width front panels with SUB-D cut-outs

DELIVERY COMPRISES (kit)

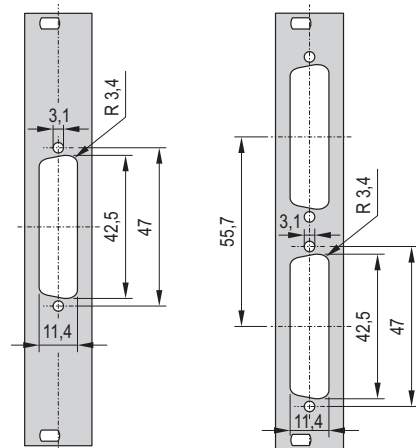
Item	Qty	Description
1	1	19" module support, 3 U, 115mm, Al
2	2	Threaded inserts with thread M2.5
3	2	Horizontal rail L-SL
4	1	Assembly kit

ORDER INFORMATION

Description	Height U	Depth D mm	Part no.
19" module support	3	115	24563-100



Front panel Sub-D 9-pin



Front panel Sub-D 25-pin

Accessories

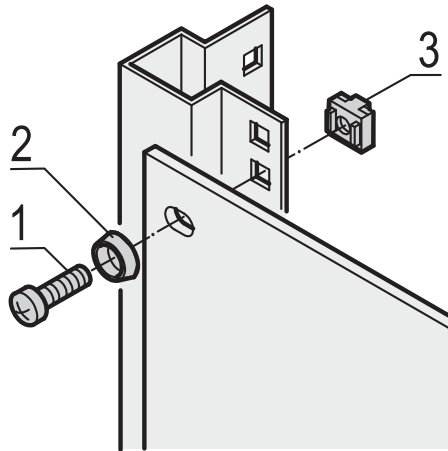
Front panel 3 U, 4 HP, 1 piece	30118-328
Front panel 3 U, 7 HP, 1 piece	30118-329
Front panel 3 U, 14 HP, 1 piece	30118-330
Front panel 3 U, 28 HP, 1 piece	30118-331
Front panel Sub-D 9-pin 3 U, 4 HP, cut-out 1 x 9-pin, 1 piece	30118-338
Front panel Sub-D 9-pin 3 U, 4 HP, cut-out 2 x 9-pin, 1 piece	30118-336
Front panel Sub-D 9-pin 3 U, 4 HP, cut-out 3 x 9-pin, 1 piece	30118-332
Front panel Sub-D 25-pin 3 U, 4 HP, cut-out 1 x 25-pin, 1 piece	30118-334
Front panel Sub-D 25-pin 3 U, 4 HP, cut-out 2 x 25-pin, 1 piece	30118-335
Quick release fastener for front panel assembly, PU 100 pieces	21101-847
Delivery: supplied loose with cabinet or frame	
Part no./35	

NOTE

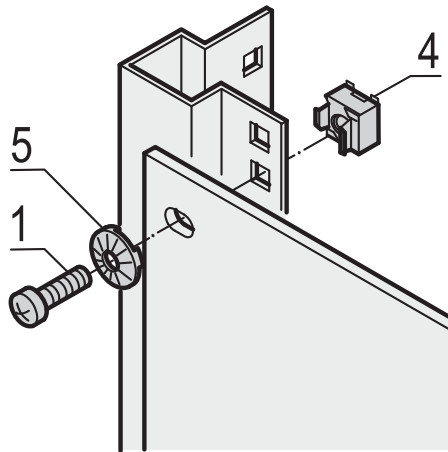
- Please order front panels or quick-release fastener separately
- 19" assembly kit, see page 3.17

Cabinet Accessories–Mechanics

19" ASSEMBLY KIT M6



Without GND/earthing



With GND/earthing

- For mounting of front panels, distribution fields or other components on the frame, slide mounts or depth members with square cut-outs
- For standard GND/earthing use a GND/earthing nut and a nomel washer on at least one attachment point

DELIVERY COMPRISES

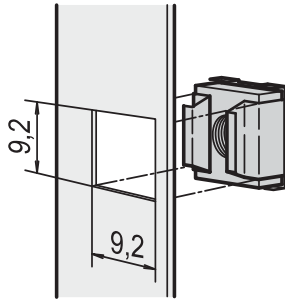
Item	Description
1	Panhead screw, M6 x 16, St, zinc-plated
2	Plastic washer, black
3	Cage nut, M6, St, zinc-plated
4	GND/earthing cage nut, M6, St, zinc-plated
5	Nomel washer, St, zinc-plated, internal diameter 6.1 mm, external diameter 12.2 mm

ORDER INFORMATION

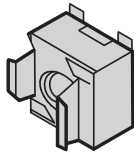
Item	Description	Qty/PU	Part no.
1+2+3	19" assembly kit (screw, washer, nut)	4	21190-095
1+2+3	19" assembly kit (screw, washer, nut)	32	21190-435
1+2+3	19" assembly kit (screw, washer, nut)	50	21101-809
1+2+3	19" assembly kit (screw, washer, nut)	100	21101-810
1	Panhead screw M6, zinc-plated	50	21100-021
1	Panhead screw M6, zinc-plated	100	21100-022
1	Panhead screw M6, zinc-plated, black	100	21100-650
2	Plastic washer	50	21100-015
2	Plastic washer	100	21100-016
3	Cage nut M6	50	21100-003
3	Cage nut M6	100	21100-004
4	GND/earthing cage nut M6	10	21120-131
4	GND/earthing cage nut M6	100	21120-132
5	Nomel washer for GND/earthing, M6	100	21101-173
Delivery: supplied loose with cabinet or frame			Part no./35

Cabinet Accessories–Mechanics

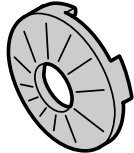
CAGE NUT M4/M5



Cage nut



GND/earthing cage nut



Nomel washer

bza42733

00503050

00502512

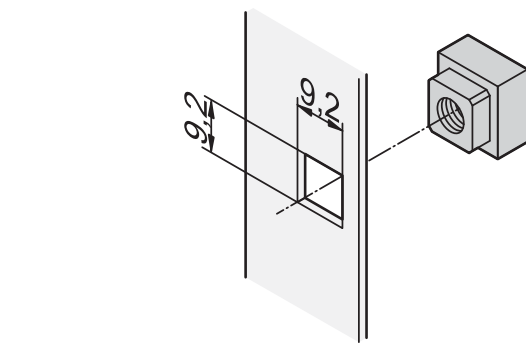
- For assembly of special parts (in square holes), which require a thread diameter of M4 or M5
- For standard GND/earthing use a GND/earthing nut and a nomel washer on at least one attachment point

ORDER INFORMATION

Description	Description	Qty/PU	Part no.
Cage nut M4	St, zinc-plated, for material thickness of 1.8 to 2.6 mm	50	21100-001
Cage nut M4	St, zinc-plated, for material thickness of 1.8 to 2.6 mm	100	21100-002
GND/earthing cage nut M4	St, zinc-plated, for material thickness 1.8 to 2.6 mm	10	21120-127
GND/earthing cage nut M4	St, zinc-plated, for material thickness 1.8 to 2.6 mm	100	21120-128
Nomel washer M4 for GND/earthing	St, zinc-plated, inner diameter 4.1 mm, external diameter 8 mm	100	21120-148
Cage nut M5	St, zinc-plated, for material thickness of 1.8 to 2.6 mm	50	21100-215
Cage nut M5	St, zinc-plated, for material thickness of 1.8 to 2.6 mm	100	21100-216
GND/earthing cage nut M5	St, zinc-plated, for material thickness 1.8 to 2.6 mm	10	21120-129
GND/earthing cage nut M5	St, zinc-plated, for material thickness 1.8 to 2.6 mm	100	21120-130
Nomel washer M5 for GND/ earthing	St, zinc-plated, inner diameter 5.1 mm, external diameter 10.2 mm	100	21120-149
Delivery: supplied loose with cabinet or frame			Part no./35

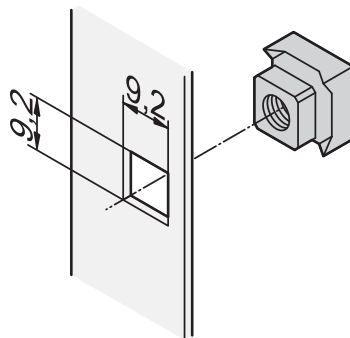
Cabinet Accessories–Mechanics

SQUARE NUT M6



Square nut

b2a42735



Square GND/earthing nut

06704051

- For precise, anti-twist secure mounting without clearance
- For standard GND/earthing use a square GND/earthing nut and a nomel washer on at least one attachment point

ORDER INFORMATION

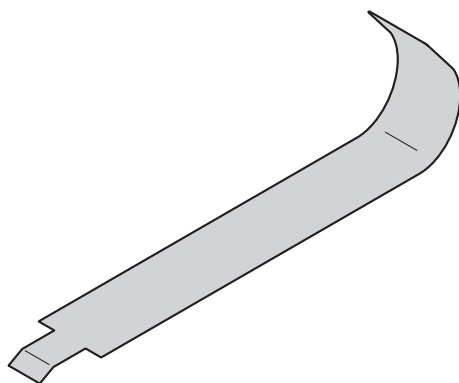
Description	Description	Qty/PU	Part no.
Square nut M6	St, zinc-plated, for material thickness of 3.7 mm	50	21100-558
Square nut M6	St, zinc-plated, for material thickness of 3.7 mm	100	21101-007
Square GND/earthing nut M6	St, zinc-plated, for material thickness of 1.5 mm	50	21101-172
Square GND/earthing nut M6	St, zinc-plated, for material thickness of 3.5 mm	50	21101-171
Nomel washer for GND/earthing, M6	St, zinc-plated, inner diameter 6.1 mm, external diameter 12.2 mm	100	21101-173
Delivery: supplied loose with cabinet or frame			Part no./35

MOUNTING AID FOR CAGE NUTS

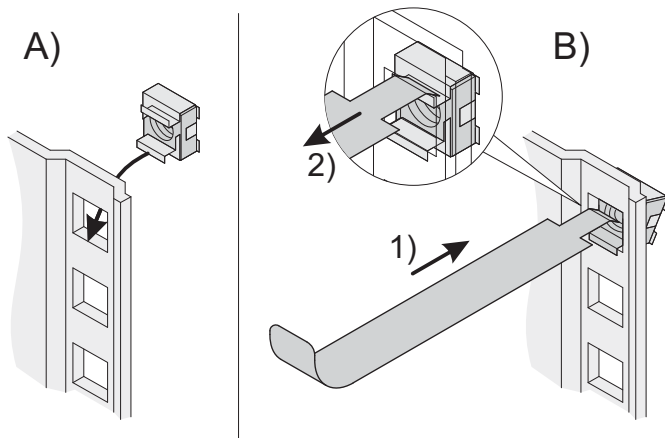
- To fit/remove cage nuts

ORDER INFORMATION

Description	Qty/PU	Part no.
Mounting aid for cage nuts	1	21127-990
Delivery: supplied loose with cabinet or frame		Part no./35



06708057



06708056

Cabinet Accessories–Mechanics

SANDWICH CABLE CLAMPING FOR C PROFILES



01695039

- Cable ducting in up to 5 planes
- For cable diameter of 4 ... 7 mm, usable width 190 mm

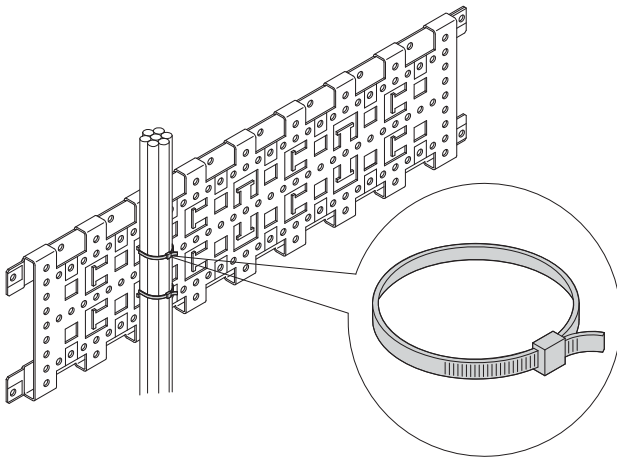
DELIVERY COMPRISES (Kit)

Item	Qty	Description
1	6	Pressure plate, 15 x 250 mm, St, 2.5 mm, chromated and zinc-plated, bolt spacing 200 mm
2	10	Rubber strip
3	10	Spacer M6 for cable diameter of 4 ... 7 mm
4	1	Assembly kit

ORDER INFORMATION

Description	Part no.
Sandwich cable clamping for C profiles	20118-740
Delivery: supplied loose with cabinet or frame	Part no./35

CABLE TIES



01005078

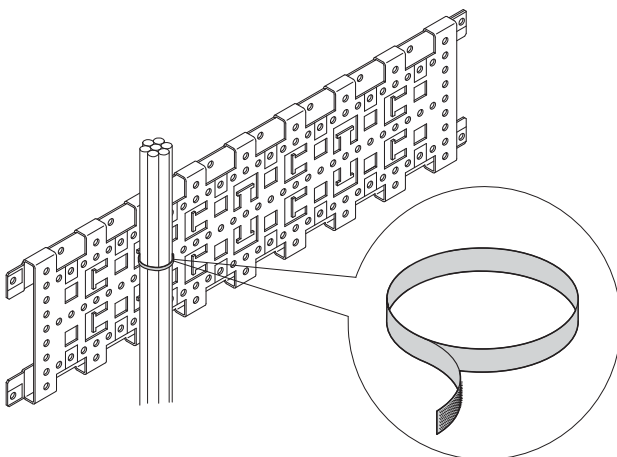
DELIVERY COMPRISES

Item	Qty	Description
1	25	Cable tie, plastic

ORDER INFORMATION

Description	Part no.
Cable ties 186 mm x 5 mm	20118-352
Cable ties 360 mm x 5 mm	20118-353
Cable ties 92 mm x 2.5 mm	20118-351
Delivery: supplied loose with cabinet or frame	Part no./35

VELCRO



01005079

- Length 300 mm (for cable bundles of max. 90 mm diameter)

ORDER INFORMATION

Description	Part no.
Velcro strip, Polyethylen/Polyamide, black, length 300 mm, PU 10 pieces	20118-624
Delivery: supplied loose with cabinet or frame	Part no./35

Cabinet Accessories–Mechanics

CABLE SUPPORT



Cable support with return spring

00592015



Cable support without return spring

00592016

- For cable support on pull-out devices and chassis
- Cable fixing with cable ties
- 2 versions:
 - Cable support **with** return spring for a uniform cabling matched to the extraction movements
 - Cable support **without** return spring, connected directly to pull-out part

ORDER INFORMATION

Description	Qty/PU	Part no.
Cable support with return spring	1	20118-729
Cable support without return spring	1	20118-706
Accessories		
Cable ties 92 mm x 2.5 mm, PU 25 pieces		20118-351
Delivery: supplied loose with cabinet or frame		Part no./35

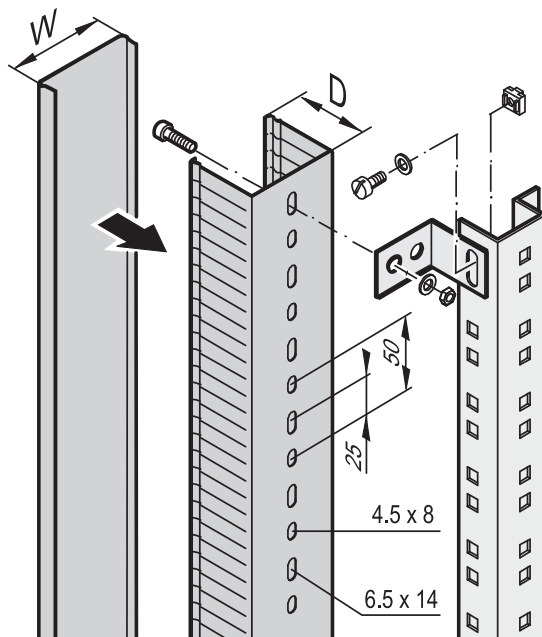
TECHNICAL DATA

	Cable support with return spring	Cable support without return spring
Load-carrying capacity	2 kg	5 kg
Extension length	730 mm	720 mm
Space requirement in retracted position	25 mm	25 mm
Material	St, square tube, 16 mm ² , zinc-plated	St profile, 1 mm, zinc-plated

NOTE

- 19" assembly kit see page 3.17

CABLE CHANNEL



SC78

- For cable ducting in lateral and rear cabinet areas
- For mounting on cabinet uprights, depth members or C-profiles

DELIVERY COMPRISES

Item	Qty	Description
1	1	Cable channel, 2 m, plastic, grey

ORDER INFORMATION

Depth D mm	Width W mm	Length mm	Part no.
60	30	2000	60103-011
60	60	2000	60103-010

Accessories

Assembly kit for cable channel (4 brackets, screws, washers, nuts, cage nuts)	21100-123
Delivery: supplied loose with cabinet or frame	
Part no./35	

NOTE

- Please order assembly kit for cable channel separately

Cabinet Accessories–Mechanics

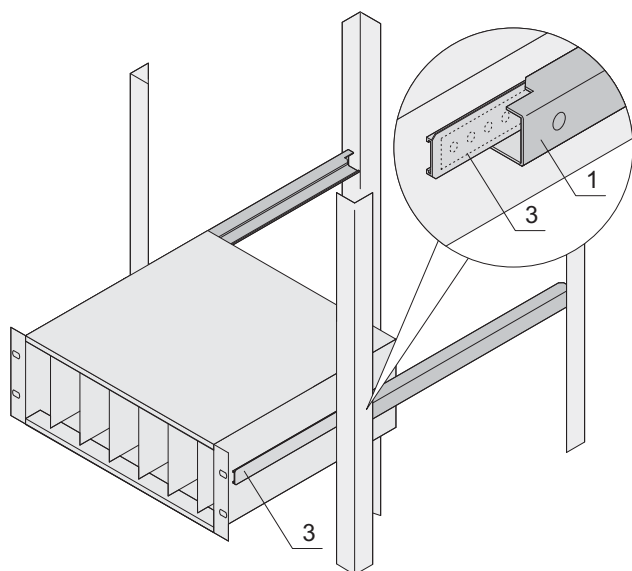
SIMPLE TELESCOPIC SLIDE FOR ASSEMBLY OF SUBRACKS IN CABINETS



06101006

- For mounting 84 HP wide subracks in the 19" plane
- Loading capacity: 25 kg per pair
- The guiding profile is matched to the fixing dimension in the cabinet (it is bolted to the 19" profile of the cabinet); the adaptor rail is matched to the depth and fixing dimension on the subrack (it is inserted into the guiding profile like a telescopic slide)
- Safety note:
No protection against extraction, no stop at full extension

TELESCOPIC SLIDES WITH GUIDING PROFILE FOR FITTING IN CABINETS



06108072

DELIVERY COMPRISES (kit)

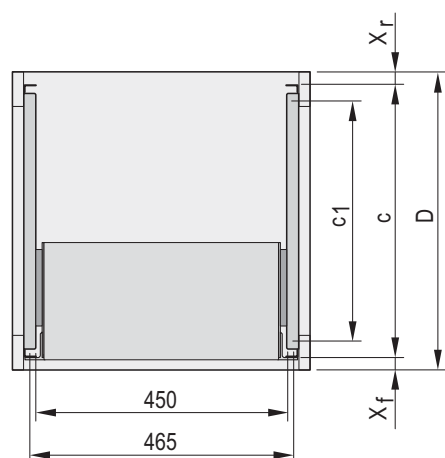
Item	Qty	Description
1	2	C-profile, Al
2	1	Assembly kit

ORDER INFORMATION

For cabinet range	Depth D mm	x_f mm	x_r mm	C mm	c1 mm	Part no.
VARISTAR	600	50	50	500	369	24562-464
VARISTAR	800	50	50	700	569	24562-466
VARISTAR	900	50	50	800	669	24562-467
VARISTAR	1000	50	50	900	769	24562-468
VARISTAR	1100	50	50	1000	869	24562-472
VARISTAR	1200	50	50	1100	969	24562-473
eurorack	600	60	60	480	397	24562-449
eurorack	800	60	60	680	597	24562-451
eurorack	900	60	60	780	697	24562-452
Novastar	500	33	60	407	350	24562-460
Novastar	600	33	60	507	450	24562-461
Novastar	800	33	60	707	650	24562-474
Lab rack	250	0	0	250	162	24562-446
Delivery: supplied loose with cabinet or frame						Part no./35

NOTE

- Adapter rail see page 3.23

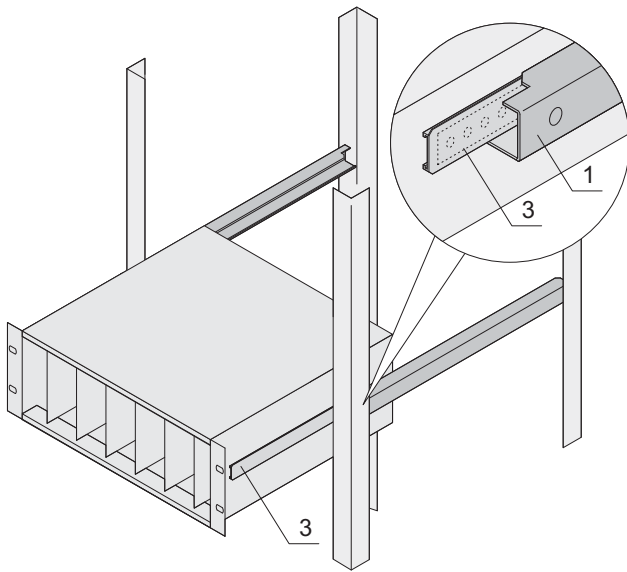


06108082

x_f , x_r : Distance of 19" plane to cabinet edge (front, rear)
 c: Distance of 19" planes from each other,
 c1: Fixing dimension of guiding profile on 19" panel/slide mounts

Cabinet Accessories–Mechanics

TELESCOPIC SLIDES WITH ADAPTOR RAIL FOR SUBRACKS



- The rail serves for fixing the subrack on the guiding profile when mounted into a cabinet

DELIVERY COMPRISES (kit)

Item	Qty	Description
3	2	Al extrusion, incl. M4 threaded insert
4	1	Assembly kit

ORDER INFORMATION

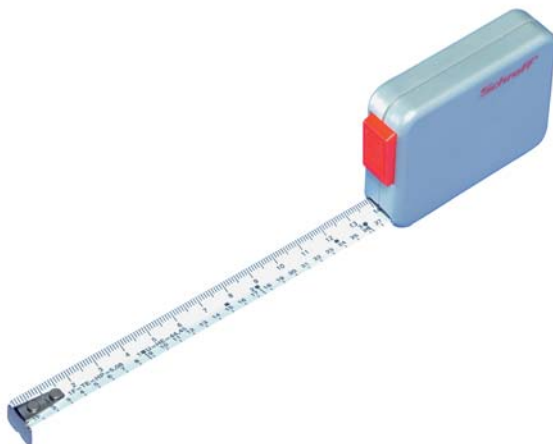
For subrack depth mm	Part no.
175	24562-453
235	24562-454
295	24562-455
355	24562-456
415	24562-457
475	24562-458
Delivery: supplied loose with cabinet or frame	
Part no./35	

NOTE

- Suitable guiding profile see page 3.22

06108072

MEASURING TAPE



- Measuring tape with cm, U-, HP-division (length 2 m)
- Plastic case, metal tape measure with automatic retraction

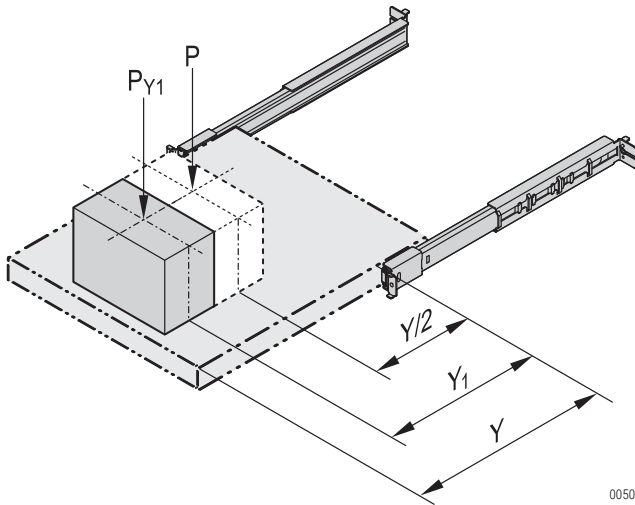
ORDER INFORMATION

Description	Qty/PU	Part no.
Tape measure	1	89009-001

32506001

Cabinet Accessories–Telescopic slides

DIMENSIONING OF TELESCOPIC SLIDES



00505053

Calculation of the load-carrying capacity

The stated load-carrying capacity P is valid provided that the centre of gravity is in the centre of the extraction (Y/2).

For a different position of the centre of gravity (Y₁) please use the following formula:

Load-carrying capacity $P(Y_1) = \frac{1}{2} P Y / Y_1$ (but max. P)

Example:

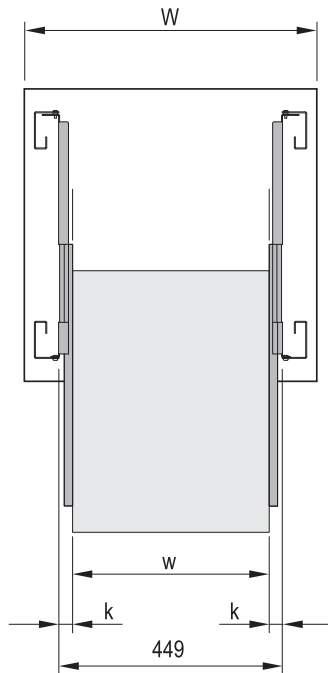
Load-carrying capacity P = 45 kg,

Extension length Y = 250 mm

Position of centre of gravity Y₁ = 150 mm

Result:

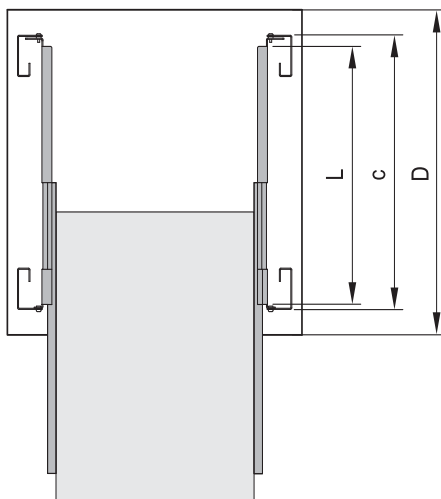
$P(Y_1) = \frac{1}{2} P Y / Y_1 = \frac{1}{2} \times 45 \text{ kg} \times 250 / 150 = 37.5 \text{ kg}$



00505060

Calculation of the maximum installation width (w)

For each telescopic slide the maximum installation width (w) for one shelf or drawer is given. This is the maximum clearance available between the telescopic slides when they are fitted in a 19" cabinet.



00505061

Mounting on 19" panel/slide mounts

In 19" cabinets, telescopic slides are mounted on the front and rear 19" panel/slide mounts.

The length (L) must therefore be matched with the distance between the 19" brackets (depthwise). For this the required 19" pitch (c) is given for each cabinet.

Cabinet Accessories–Telescopic slides

TELESCOPIC SLIDE, NARROW, FOR SUBRACK



00516001

- Suitable for 84 HP width subracks (type F, type H, type L)
- Locks at full extension
- Hinged
- Extension length > 100 %
- Rail width 7.5 mm
- Maximum clear width of extension/drawer w = 84 HP (435 mm)

DELIVERY INCLUDES

Item	Qty	Description
1	2	Telescopic slide, St, zinc-plated

ORDER INFORMATION

Length L	Extension length Y	Load-carrying capacity P	Part no.
mm	mm	kg	

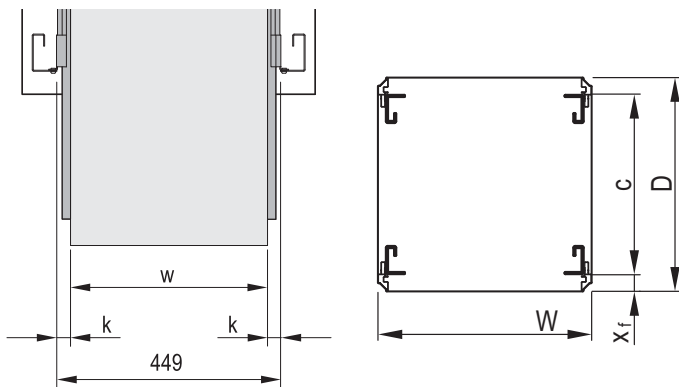
559	See table Technical data	15	60110-440
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Accessories

Fixing materials kit for Varistar, to mount 2 telescopic slides, PU 1 kit	21120-193
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Fixing materials kit for Novastar, to mount 2 telescopic slides, PU 1 kit	21120-194
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Delivery: supplied loose with cabinet or frame	Part no./35
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00505060

01004146

k = rail width 7.5 mm,
w = max. installation width 84 HP
(435 mm)

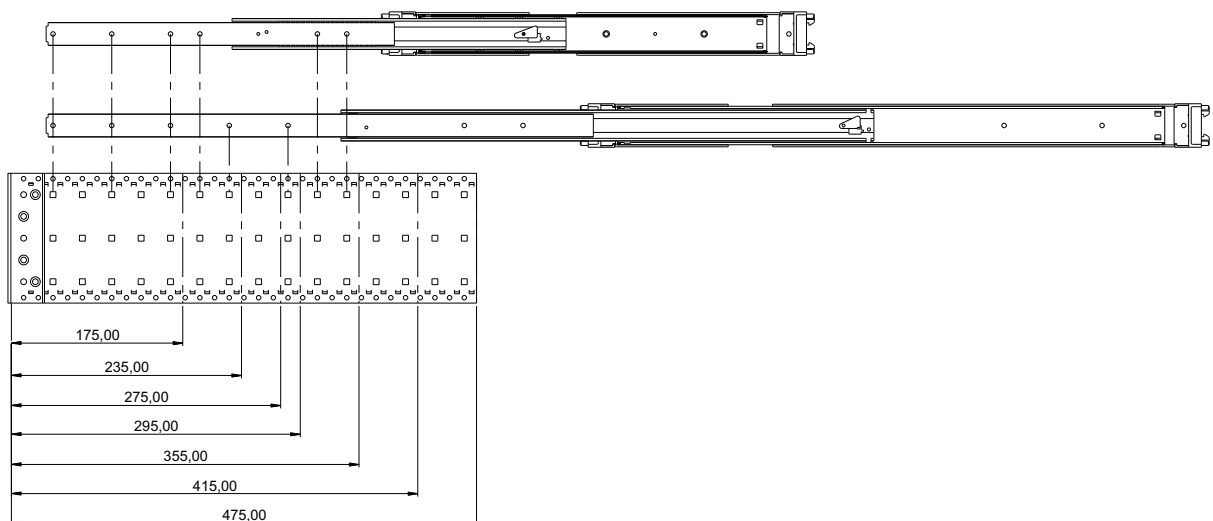
C dimensions: Varistar 500 mm and
700 mm, Novastar 507 mm to 707
mm

Technical data

Length L	Extension length Y		
mm	Varistar SL/HD mm	Novastar SL mm	Novastar HD mm
356	350	362	352
559	553	565	555

NOTE

- To mount on 19" plane please order assembly kit separately



Screw-on position for telescopic slide on side panel of subrack

00515050

Cabinet Accessories–Telescopic slides

UNIVERSAL TELESCOPIC SLIDE, 1 U



- Static load-carrying capacity per pair 23 - 39 kg
- Lateral mounting on the 19" uprights (19" plane remains free for fixing the extension/drawer)
- Can be removed
- Extension length > 100 %
- Rail width k = 9.7 mm, max. installation width of extension/drawer w = 429 mm

DELIVERY COMPRISES

Item	Qty	Description
1	2	Telescopic slide, St, zinc-plated

ORDER INFORMATION

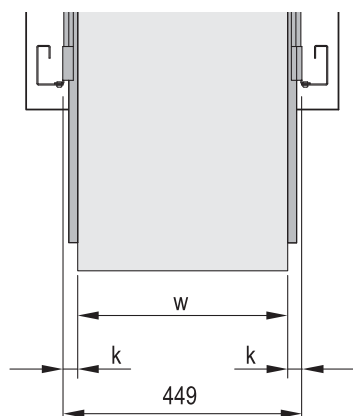
Length L	Extension length Y	Load-carrying capacity P	Part no.
mm	mm	kg	
356	381	39	20110-090
406	432	36	20110-091
457	483	34	20110-092
508	533	32	20110-093
559	584	29	20110-094
610	635	27	20110-095
660	686	23	20110-096
711	737	23	20110-097

Accessories

Assembly kit For VARISTAR, for assembly of 2 telescopic slides, PU 1 kit	21120-158
Assembly kit For eurorack, for assembly of 2 telescopic slides, PU 1 kit	21120-159
Assembly kit for NOVASTAR, to mount 2 telescopic slides, PU 1 kit	21120-160

Delivery: supplied loose with cabinet or frame

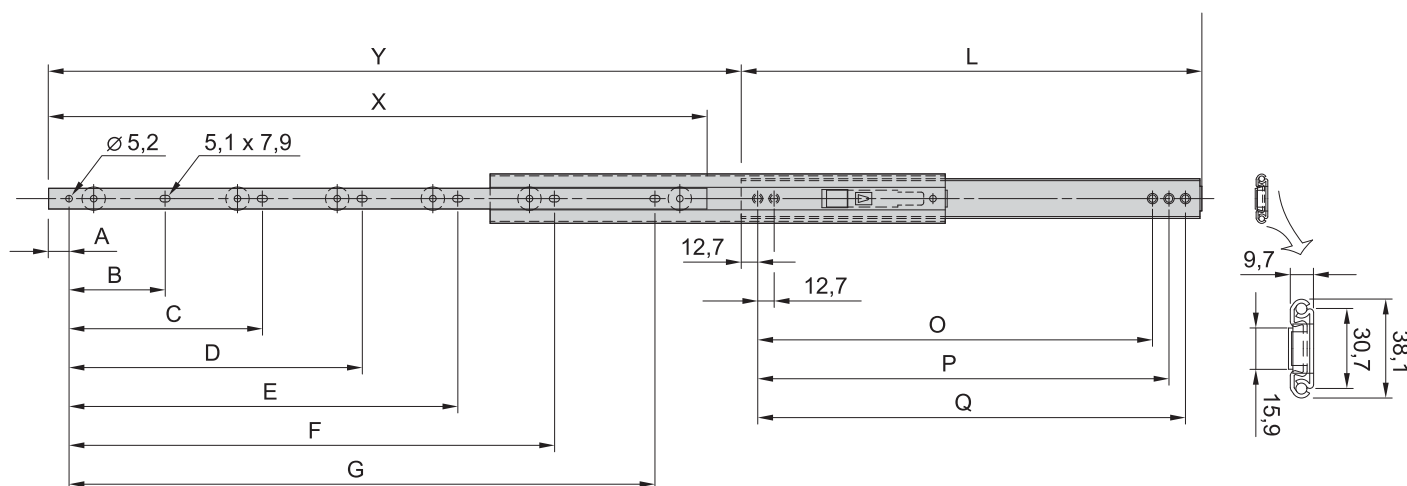
Part no./35



k = rail width, w = max. installation width

Dimensions table

L	Internal part								External part		
	A	B	C	D	E	F	G	X	O	P	Q
356	29.5	92.1	184.2	276.2	-	-	-	349.3	304.6	317.3	330.0
406	29.5	92.1	184.2	276.2	-	-	-	349.3	355.4	368.1	380.8
457	29.5	92.1	184.2	276.2	-	-	-	349.3	406.4	419.1	431.8
508	89.9	92.1	184.2	276.2	368.3	-	-	501.7	457.4	470.1	482.8
559	89.9	92.1	184.2	276.2	368.3	-	-	501.7	508.1	520.8	533.5
610	89.9	92.1	184.2	276.2	368.3	-	-	501.7	558.6	571.3	584.0
660	7.4	92.1	184.2	276.2	368.3	460.4	552.4	603.3	609.4	622.1	634.8
711	7.4	92.1	184.2	276.2	368.3	460.4	552.4	603.3	660.2	672.9	685.6



Cabinet Accessories–Telescopic slides

UNIVERSAL TELESCOPIC SLIDE, 2 U



- Static load-carrying capacity per pair 46 - 61 kg
- Lateral mounting on the 19" uprights (19" plane remains free for fixing the extension/drawer)
- Locking at full extension
- Extension length > 100 %
- Rail width k = 16 mm, max. installation width of extension/drawer w = 417 mm

DELIVERY COMPRISES

Item	Qty	Description
1	2	Telescopic slide, St, zinc-plated

ORDER INFORMATION

Length L mm	Extension length Y mm	Load-carrying capacity P kg	Part no.
305	330	61	20110-100
356	381	60	20110-101
406	432	58	20110-102
457	483	57	20110-103
508	533	55	20110-104
559	584	52	20110-105
610	635	50	20110-106
660	686	48	20110-107
711	737	46	20110-108

Accessories

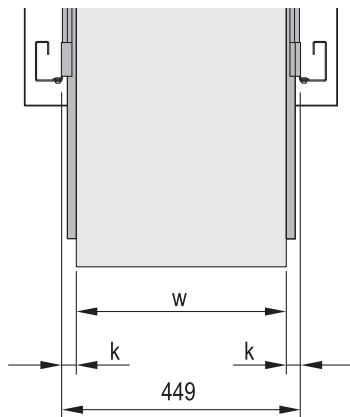
Assembly kit For VARISTAR, for assembly of 2 telescopic slides, PU 1 kit	21120-158
Assembly kit For eurorack, for assembly of 2 telescopic slides, PU 1 kit	21120-159
Assembly kit for NOVASTAR, to mount 2 telescopic slides, PU 1 kit	21120-160

Delivery: supplied loose with cabinet or frame

Part no./35

NOTE

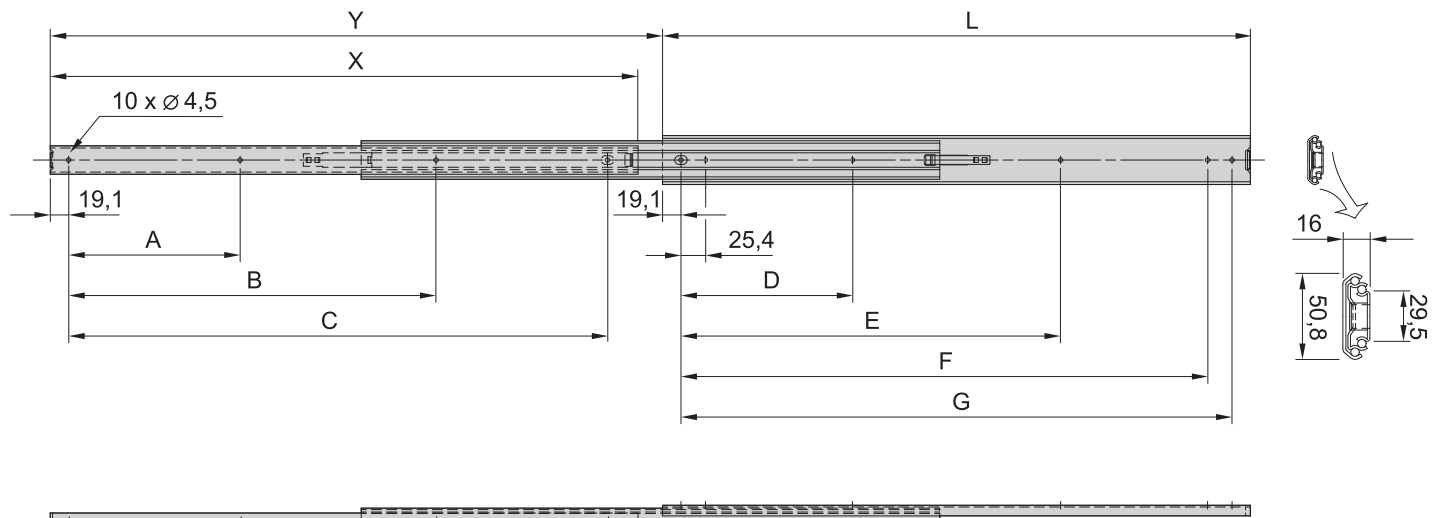
- To mount on 19" plane please order assembly kit separately
- Universal telescopic rails can also be fitted without additional components in non-standard applications, thus also in other than 19" cabinets



k = rail width, w = max. installation width

Dimensions table

Length L	Internal part				External part			
	A	B	C	X	D	E	F	G
305	76.2	177.8	254.0	305.0	76.2	190.5	241.3	266.7
356	101.6	203.2	304.8	356.0	88.9	215.9	292.1	317.5
406	127.0	228.6	355.6	406.0	127.0	241.3	342.9	368.3
457	127.0	279.4	406.4	457.0	127.0	292.1	393.7	419.1
508	152.4	304.8	457.2	508.0	152.4	317.5	444.5	469.9
559	177.8	330.2	508.0	559.0	177.8	342.9	495.3	520.7
610	177.8	381.0	558.8	610.0	177.8	393.7	546.1	571.5
660	203.2	406.4	609.6	660.0	203.2	419.1	596.9	622.3
711	228.6	431.8	660.4	711.0	228.6	444.5	647.7	673.1



Cabinet Accessories–Telescopic slides

SLIM UNIVERSAL TELESCOPIC SLIDE, 2 U



- Static load-carrying capacity per pair 46 - 57 kg
- Lateral mounting on the 19" uprights (19" plane remains free for fixing the extension/drawer)
- Locking at full extension
- Extension length > 110 %
- Rail width $k = 9.7$ mm, max. installation width of extension/drawer $w = 429$ mm

DELIVERY COMPRISES

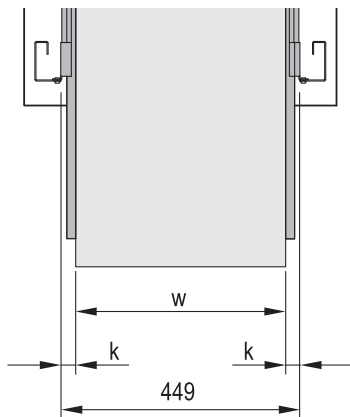
Item	Qty	Description
1	2	Telescopic slide, St, zinc-plated

ORDER INFORMATION

Length L	Extension length Y	Load-carrying capacity P	Part no.
mm	mm	kg	
356	432	57	20110-071
406	483	55	20110-072
457	533	55	20110-073
508	584	55	20110-074
559	635	46	20110-075
584	660	46	20110-076
610	686	46	20110-077

Accessories

Assembly kit for VARISTAR, for assembly of 2 telescopic slides, PU 1 kit	21120-161
Assembly kit for eurorack, for assembly of 2 telescopic slides, PU 1 kit	21120-162
Telescopic slides mounting kit for NOVASTAR, to mount 2 telescopic slides, PU 1 kit	21120-163
Delivery: supplied loose with cabinet or frame	Part no./35



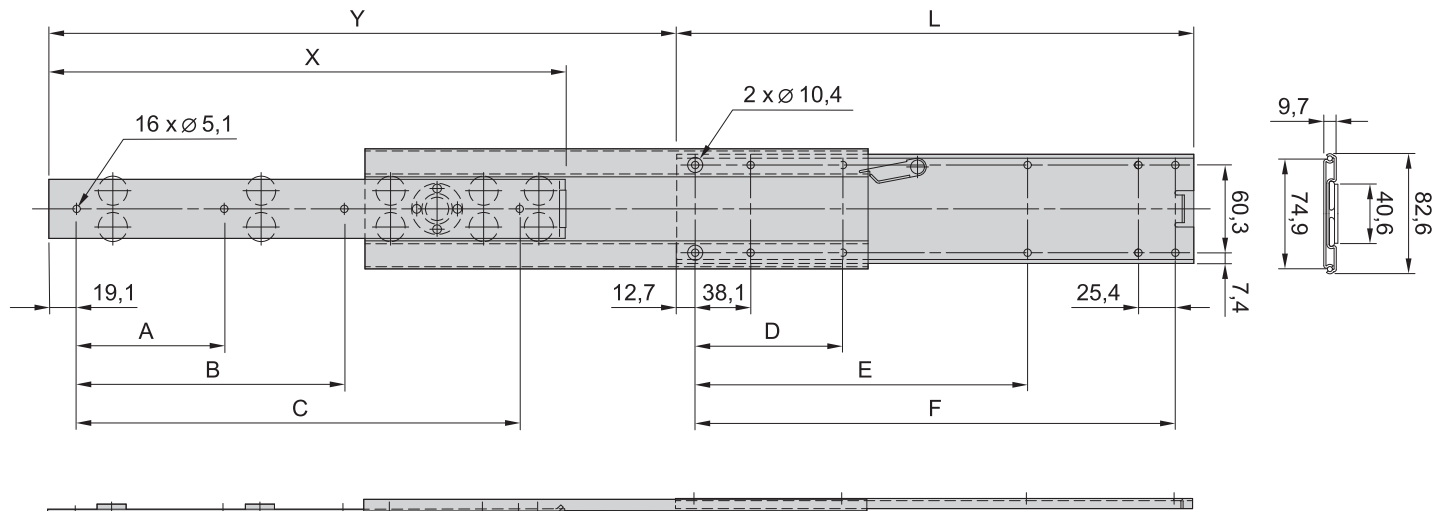
k = rail width, w = max. installation width

Dimensions table

Length L	Internal part				External part		
	A	w	C	X	D	E	F
356	101.6	184.2	304.8	356.0	101.6	228.6	330.2
406	127.0	209.6	355.6	406.0	127.0	254.0	381.0
457	127.0	235.0	406.4	457.0	152.4	279.4	431.8
508	152.4	260.4	457.2	508.0	152.4	330.2	482.6
559	203.2	412.8	508.0	559.0	177.8	355.6	533.4
584	203.2	431.8	533.4	584.0	177.8	381.0	558.8
610	203.2	438.2	558.8	610.0	203.2	381.0	584.2

NOTE

- To mount on 19" plane please order assembly kit separately
- Universal telescopic rails can also be fitted without additional components in non-standard applications, thus also in other than 19" cabinets



Cabinet Accessories–Telescopic slides

HEAVY LOAD UNIVERSAL TELESCOPIC SLIDE, 2 U



- Static load-carrying capacity per pair 72 - 100 kg
- Lateral mounting on the 19" uprights (19" plane remains free for fixing the extension/drawer)
- End stop damped
- Extension length > 100 %
- Rail width $k = 19.1$ mm, max. installation width of extension/drawer $w = 411$ mm

DELIVERY COMPRISES

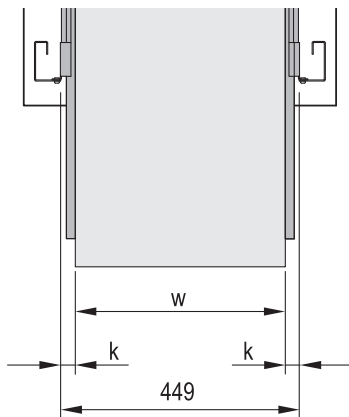
Item	Qty	Description
1	2	Telescopic slide, St, zinc-plated

ORDER INFORMATION

Length L mm	Extension length Y mm	Load-carrying capacity P kg	Part no.
300	473	77	20110-190
350	573	83	20110-191
400	423	88	20110-192
450	473	94	20110-193
500	523	100	20110-194
550	573	94	20110-195
600	623	88	20110-196
700	723	72	20110-198

Accessories

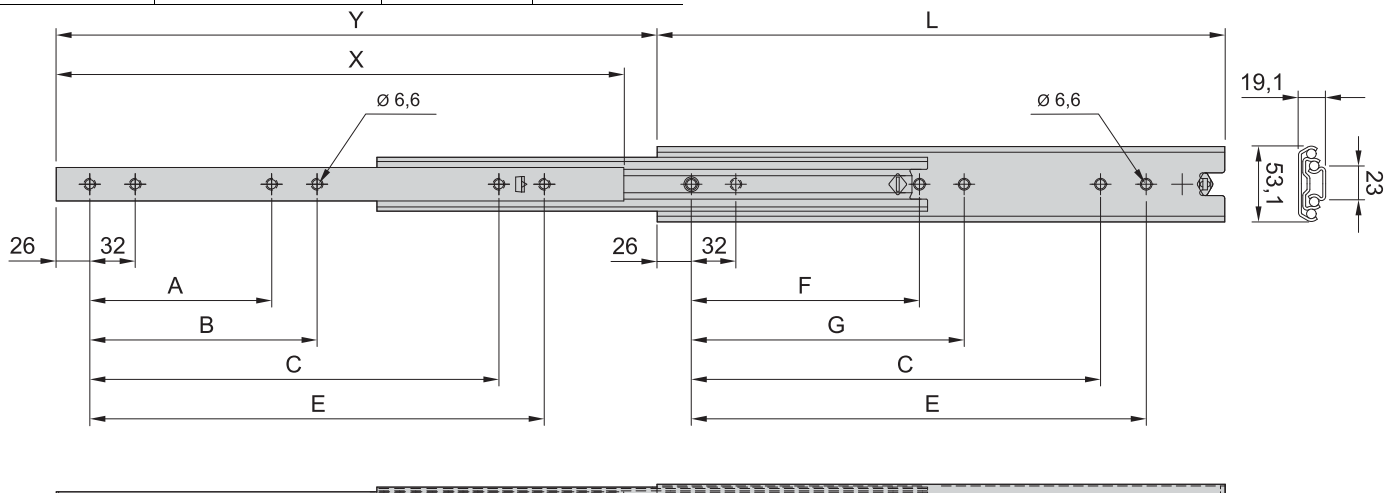
Assembly kit for VARISTAR, for assembly of 2 telescopic slides, PU 1 kit	21120-164
Assembly kit for eurorack, for assembly of 2 telescopic slides, PU 1 kit	21120-165
Assembly kit for NOVASTAR, to mount 2 telescopic slides, PU 1 kit	21120-166
Delivery: supplied loose with cabinet or frame	Part no./35



k = rail width, w = max. installation width

Dimensions table

Length L mm	Y mm	Inner part (mm)			External part (mm)			
		A	B	X	C	E	F	G
300	473.5	-	-	300	192	224	-	-
350	573.5	-	-	350	224	256	-	-
400	423.5	128	160	400	288	320	160	192
450	473.5	128	160	450	320	352	160	192
500	523.5	160	192	500	384	416	192	224
550	573.5	160	192	550	416	448	192	224
600	623.5	192	256	600	480	512	256	288
650	673.5	192	256	650	544	576	256	288
700	723.5	256	288	700	576	608	288	320



Cabinet Accessories—Electrics

LED LIGHT FOR CABINET MOUNTING

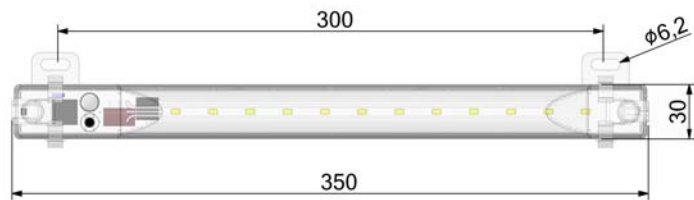


00518001



00518002

Please order connecting cable separately



00518051

TECHNICAL DATA

Input	AC, DC
Input voltage	24 ... 265 V _{AC/DC}
Power consumption	6 W
Luminosity	700 Lm, 1200 lx @ 0,5 m, 450 lx @ 1 m
Lamp type	LED, angle of radiation 120°
Light color	Daylight, color temperature: 5000 K
Service life	50.000 h at +20 °C (+68 °F)
Mounting	Magnetic- and screw fastening
Casing	Plastic, Polykarbonate, transparent
Connection	Wieland connector (long side on both sides, 1 x male connector, 1 x female connector)
Weight	0,2 kg (0,375 lbs)
Functions	Button for switching (motion detector, on, off)
Operating temperature	-20 ... +60 °C (-4 ... +140 °F)
Storage temperature	-40 ... +85 °C (-40 ... +185 °F)
Operating/Storage humidity	max. 90 % rH (non-condensing)
Protection type	IP 20
Protection class	II (double insulated)
Approval	CE/UL

- Wide-range voltage input 24 ... 265 V_{AC} / DC
- Motion sensor and multifunction button
- Easy installation, magnetic and screw fastening
- Luminosity 700 lumens
- Light diffuser -> better lighting of the floor, 1200 lux / 0.5 m
- Excellent performance 117 Lumens / Watt
- Daisy Chain (allows up to 10 lamps to be connected in series), pluggable connection and connection cables
- Integrated optics with unbreakable plastic cover
- Adjustable angle -90 ° to + 90 °, light can be rotated in 2 directions
- Long life and low power consumption



DELIVERY INCLUDES

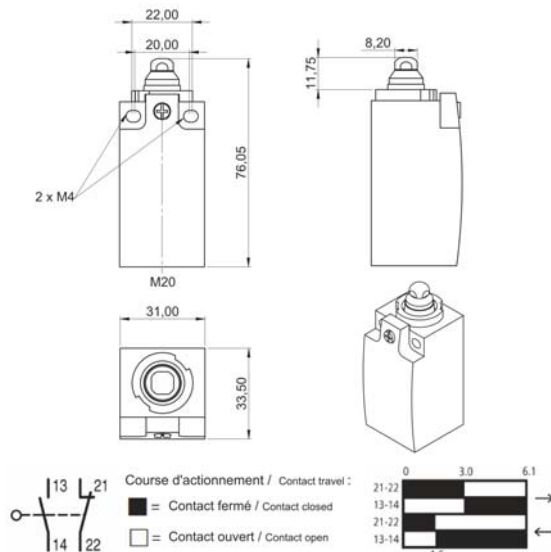
Item	Qty	Description
1	1	LED lamp (plastic housing) with connection for Wieland plug (on both sides); Length 350 mm, width 30 mm, height 40 mm with holder
2	2	Fixing clips (magnetic and to screw on)
3	1	User manual

ORDER INFORMATION

Description	Part no.
LED-700L	60118-570
Accessories	
Input Cable for AC, length 2.0 m / 78.7 inch, 1 piece	 60118-546
Extension Cable for AC, length 1.0 m / 39.4 inch, 1 piece	 60118-548
Connection cable with IEC 60320 C18 connector for AC, length 0,5 m / 19,7 inch, 1 piece	 60130-114
Female connector for AC, 1 piece	 60118-550
Male connector for AC, 1 piece	 60118-552
Bracket 19" 1 U, RAL 7021 (black) 1 piece	 20118-896
Bracket 19" 1 U, RAL 7035 (grey) 1 piece	 20118-897

Cabinet Accessories–Electrics

DOOR CONTACT SWITCH WITHOUT CONNECTING CABLE



DELIVERY INCLUDES

Item	Qty	Description
1	1	Door contact switch without connecting cable
2	1	PG screw fitting M20 x 1.5 for cable diameter 6 ... 12 mm
3	1	Assembly kit

ORDER INFORMATION

Description	Qty/PU piece	Part no.
Door contact switch without connecting cable	1	20118-810

Accessories

Bracket for installation of door switch (Varistar)	PU 1 kit	23130-314
Bracket for installation of door switch (Novastar)	PU 1 kit	27230-275
Bracket for installation of door switch (Eurorack)	PU 1 kit	23117-036
Delivery: fitted in cabinet or on frame		Part no./05
Delivery: supplied loose with cabinet or frame		Part no./35

TECHNICAL DATA (SWITCH)

Switch contact	2 (1 normally open / 1 normally closed)
Connection	Cage clamp
Mech. life	8 million cycles
Voltage	240 V _{AC}
Current	6 A
Protection time	IP 66
Schutzklasse	II
Function	3.1 mm gap to adjust door switch position
Approval	CE, UL, CCC

DOOR CONTACT SWITCH WITH CONNECTING CABLE



- Connection to cabinet light via IEC 60320 C13 socket
- Connection with mains supply via SCHUKO/UTE connector
- Easy handling by plug and play (completely wired)

DELIVERY INCLUDES

Item	Qty	Description
1	1	Door contact switch with connecting cable to IEC 60320 C13 socket, plug and mains connection SCHUKO/UTE, fully wired
2	1	Assembly kit

ORDER INFORMATION

Description	Qty/PU piece	Part no.
Door contact switch with connecting cable	1	20118-811

Accessories

Bracket for installation of door switch (Varistar)	PU 1 kit	23130-314
Bracket for installation of door switch (Novastar)	PU 1 kit	27230-275
Bracket for installation of door switch (Eurorack)	PU 1 kit	23117-036
Delivery: fitted in cabinet or on frame		Part no./05
Delivery: supplied loose with cabinet or frame		Part no./35

NOTE

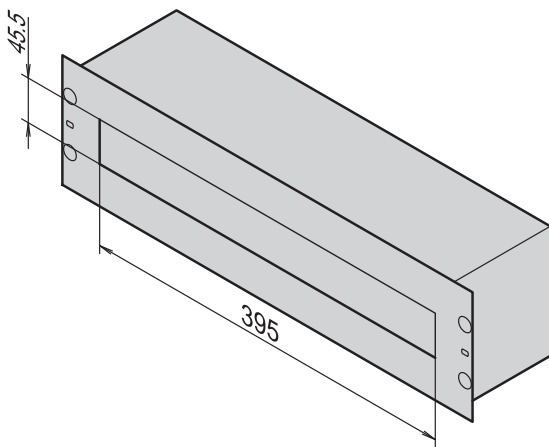
- Technical data and dimensions of the door contact switch see above

Cabinet Accessories–Electrics

19" DISTRIBUTION BOX

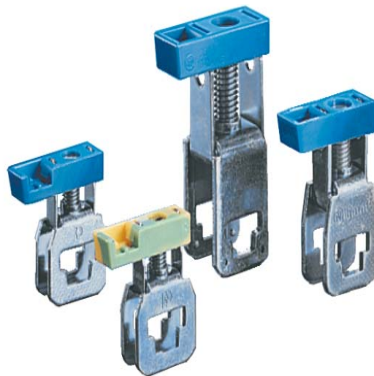


01495004



02a45585

Connection clamp



01695012

Clamps



01695034

- For installation of power distribution modules on DIN profile rails (DIN 43880)
- With cable support rail on the rear side, strain relief with clamps
- Two neutral conductors for terminal clamps from 4 ... 35 mm²

DELIVERY COMPRISES (assembled)

Item	Qty	Description
1	1	Case, 2 parts, 3 U/84 HP, AlZn
2	1	Front panel with cut-out for power distribution module, St, 1 mm, RAL 7035
3	2	Neutral conductors for terminal clamps, Cu, 200 x 3 x 10 mm, zinc-plated, insulated mounting
4	1	DIN profile rail, St, zinc-plated, depth-adjustable with spacing bolts
5	1	Cable support rail for clamps, zinc-plated
6	1	Brush strip, plastic, black, for cable entry
7	2	Sealing strip, fibre glass reinforced Polyester, for unused module positions
8	1	GND/earthing conductor, Cu, 1.5 mm ² , green/yellow, length 360 mm
9	1	Label strip

ORDER INFORMATION

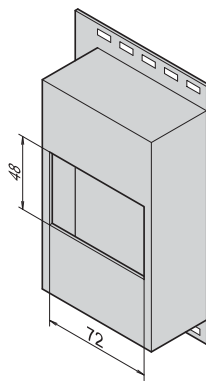
Description	Part No.
19" distribution box	60118-434
19" distribution box (with packaging for overseas shipping)	60118-521
Accessories	
Terminal clamps for 19" distribution box 4 mm ² , yellow/green, PU 10 pieces	21101-529
Terminal clamps for 19" distribution box 4 mm ² , blue (N), PU 10 pieces	21101-532
Terminal clamps for 19" distribution box 16 mm ² , yellow/green (PE), PU 10 pieces	21101-530
Terminal clamps for 19" distribution box 16 mm ² , blue (N), PU 10 pieces	21101-533
Terminal clamps for 19" distribution box 35 mm ² , yellow/green (PE), PU 10 pieces	21101-531
Terminal clamps for 19" distribution box 35 mm ² , blue (N), PU 10 pieces	21101-534
Clamps for 19" distribution box, PU 14 pieces	21190-753
Delivery: supplied loose with cabinet or frame	Part no./35

NOTE

- 19" assembly kit, see page 3.17
- Power distribution module, see page 3.33

Cabinet Accessories–Electrics

SMALL DISTRIBUTION MODULE



- For the installation of power distribution modules on DIN profile rails (DIN 43880)

DELIVERY COMPRISES

Item	Qty	Description
1	1	Small distribution module, plastic, light grey, with integrated DIN profile rail
2	1	Mounting plate for cabinet mounting, Al, 2.5 mm
3	1	Cover strip, plastic, light grey, for unused module spaces
4	1	Assembly kit for cabinet assembly

ORDER INFORMATION

Description	Part no.
Small distribution module	20118-538
Delivery: supplied loose with cabinet or frame	Part no./35

01695010

NOTE

- Power distribution module, see page 3.33

SZ445586

POWER DISTRIBUTION MODULES IN ACCORDANCE WITH DIN 43880



Circuit breakers



FI safety switch



Socket

01695005

0169500401695003

- For fitting into 19" distribution box or small distribution module
- Snaps onto DIN profile rail

ORDER INFORMATION

Description	Width mm	Part no.
Circuit breaker 1 x 16 A	17.7	20119-355
Circuit breaker 3 x 16 A	53.5	20119-356
FI safety switch, 16 A, 30 mA	46	20119-354
SCHUKO socket 250 V, 16 A	44	20119-357
UTE socket 250 V, 16 A	44	20119-358
Delivery: supplied loose with cabinet or frame		Part no./35

Cabinet Accessories–Electrics

DISTRIBUTION BOX



01695009

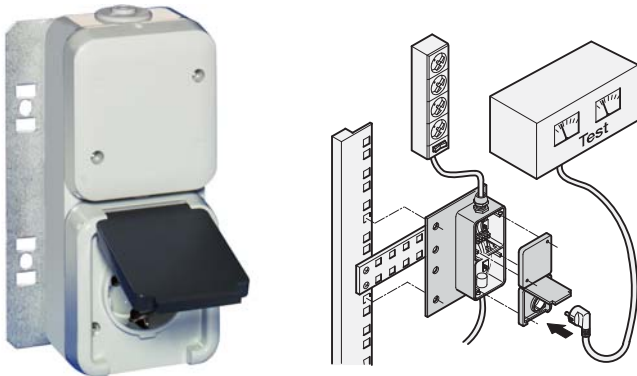
DELIVERY COMPRISES

Item	Qty	Description
1	1	Distribution box, plastic, light grey
2	1	Terminal strip, 5-pin, for cable cross section 2.5 mm ²
3	1	Mounting plate, Al, 2.5 mm, for cabinet assembly
4	1	Assembly kit for cabinet assembly

ORDER INFORMATION

Description	Part no.
Distribution box	20118-536
Delivery: supplied loose with cabinet or frame	Part no./35

DISTRIBUTION BOX WITH SCHUKO SOCKET



01604004

sc107

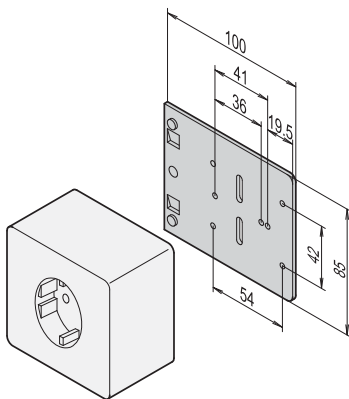
DELIVERY COMPRISES

Item	Qty	Description
1	1	Distribution box with SCHUKO socket, plastic, light grey, with terminal strip for cable cross section up to 4 mm ²
2	1	Mounting plate 90 x 100 mm, AlZn, 1.5 mm, for assembly on cabinet uprights, 19" profiles and depth members
3	1	Assembly kit for cabinet assembly

ORDER INFORMATION

Description	Part no.
Distribution box with SCHUKO socket	20118-280
Delivery: supplied loose with cabinet or frame	Part no./35

MOUNTING PLATE FOR SINGLE SOCKETS



ela44796

- For common surface sockets

DELIVERY COMPRISES

Item	Qty	Description
1	1	Mounting plate, Al, 2.5 mm, for cabinet assembly
2	1	Assembly kit for cabinet assembly

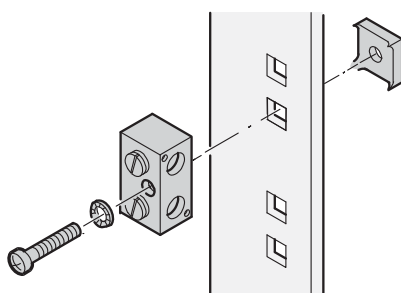
ORDER INFORMATION

Description	Part no.
Mounting plate for single sockets	20118-537
Delivery: supplied loose with cabinet or frame	Part no./35

NOTE

- Surface socket not included in Schroff product range

GND/EARTHING CLAMP



sc27

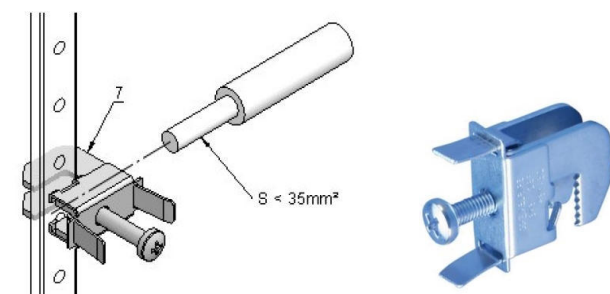
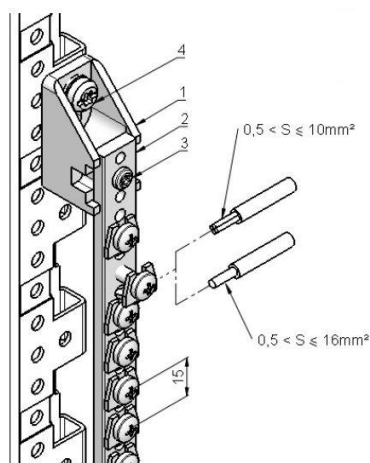
- IBM-compatible GND/earthing terminal for connecting a cabinet to the building GND/earth
- Maximum cable cross-section 100 mm²
- Surface tin-plated, in accordance with IBM Ref. No. 4716804

ORDER INFORMATION

Description	Part no.
GND/earthing clamp, incl. assembly kit	20118-030
Delivery: supplied loose with cabinet or frame	Part no./35

Cabinet Accessories–Electrics

GND/EARTHING RAIL



Pos. 7

- To connect GND/earthing wire and stranded conductors by means of terminal clamps
- Fixing insulated from the frame

DELIVERY COMPRISES

Item	Qty	Description
1	2/3	Rail support block
2	1	Rail, Cu, cross Lx15x5 mm, screw-on point M5, distance 15mm, screw M5 and washer included
3	2/3	Screw D4x14, Torx 20
4	2/3	Combiscrew M6x13, Torx 30
1		Assembly kit for cabinet assembly

Remark: 200 + 440mm versions include only 2 support blocks and 2 screws

ORDER INFORMATION

Length mm	Part no.
200	20118-859
450	20118-865
975	20118-866
1680	20118-867
1900	20118-868
1980	20118-869

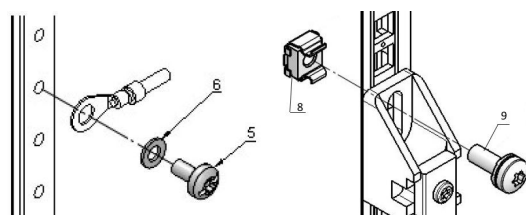
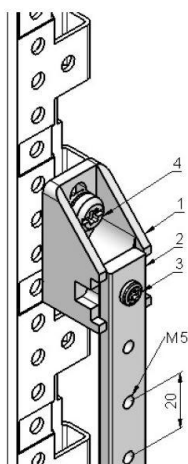
Accessories

Pos. 7, terminal clamps, PU 20 pcs	21120-209
Delivery: supplied loose with cabinet or frame	Part no./35

NOTE

- Please order terminal clamps (pos.7) separately

GND/EARTHING RAIL, FLAT STRIP



- To screw on GND/earthing cables with ring tags
- Threaded fixing points M5 in intervals of 20 mm
- Fixing insulated from the frame

DELIVERY COMPRISES

Item	Qty	Description
1	2/3	Rail support block
2	1	Rail, Cu, cross Lx15x5 mm, screw-on point distance 20mm, M5
3	2/3	Screw D4x14, Torx 20
4	2/3	Combiscrew M6x13, Torx 30
1		Assembly kit for cabinet assembly

Remark: 440mm version include only 2 support blocks and 2 screws

ORDER INFORMATION

Description	L in mm	Qty/PU	Part no.
GND/earthing rail, flat strip	440	10	20118-860
GND/earthing rail, flat strip	980	10	20118-861
GND/earthing rail, flat strip	1680	10	20118-862
GND/earthing rail, flat strip	1900	10	20118-863
GND/earthing rail, flat strip	2000	10	20118-864

Accessories

Pos. 5 + 6 Screw M5 x 10, St and Washer A5, PU 50 pcs	21120-208
Pos. 8 Cage Nut M6, St, zinc, PU 50 pcs	21100-003
Pos. 9 Screw M6 x 16 St, Torx30, PU 50 pcs	21120-200
Delivery: supplied loose with cabinet or frame	Part no./35

NOTE

- Please order panhead screw M5 to screw on GND/earth cable separately

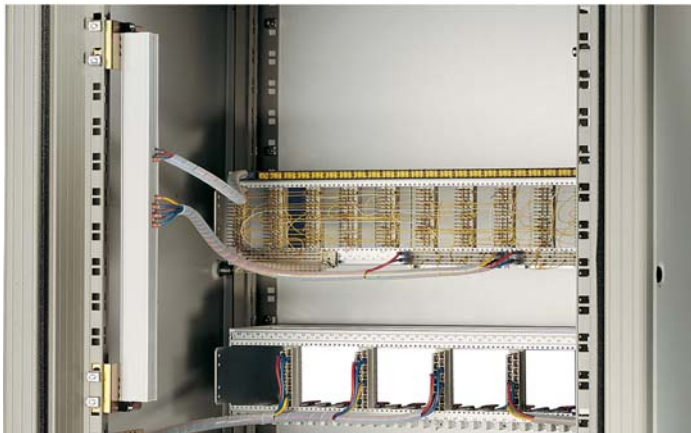
The diagram illustrates various types of cables and connectors, grouped by brackets. On the left, a vertical bracket groups four different types of connectors: a BNC connector, a D-sub connector, a FireWire connector, and a USB connector. In the center, a large, stylized 'Z' shape represents a cable. On the right, a vertical bracket groups two different types of connectors: a FireWire connector and a USB connector.

- | Item | Qty | Description |
|------|-----|--|
| 1 | 1 | Mains cable, PVC, max. 250 V _{AC} , max. 10 A |

SCHROFF PRODUCT CATALOG E 07 / 2025

Cabinet Accessories–Electrics

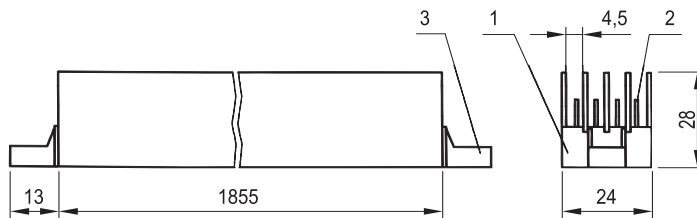
BUSBAR 3 AND 4 POLE



00892013

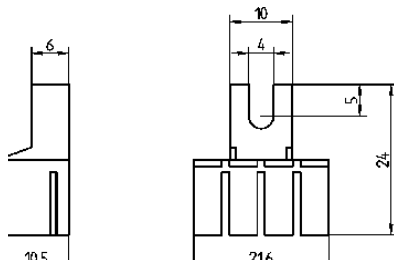


00892015



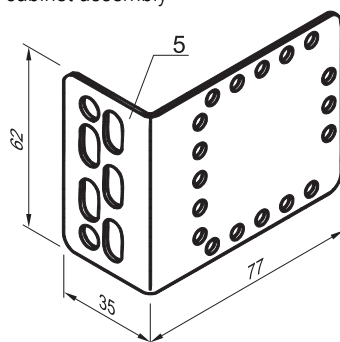
AZA42396

Fixing with insulating block for busbar 3, 4 pole



AZA42393

Mounting angle for cabinet assembly



aza40567

- Vertical current distribution in cabinets
- Can be sawn off to required length
- Connections: FASTON connector 6.3 x 0.8 mm

DELIVERY COMPRISES (assembled)

Item	Qty	Description
1	1	Insulating body for 4 inner conductors, length 1855 mm, PVC
2	3 (4)	Inner conductor, pushed in
3	2	Fixing with insulating block, pushed in, PA 6, black,

ORDER INFORMATION

Description	Material	Length mm	Part no.
3 pole	E-Cu tin-plated	1855	20100-018
4 pole	E-Cu tin-plated	1855	20100-017
4 pole	Brass untreated	1855	20100-015

Accessories

Item 3 Fixing with insulating block PVC, black, PU 10 pieces with assembly kit	20100-019
Item 5 Mounting angle for cabinet assembly St, 1.5 mm, finish AlZn, PU 4 pieces	20100-029

TECHNICAL DATA

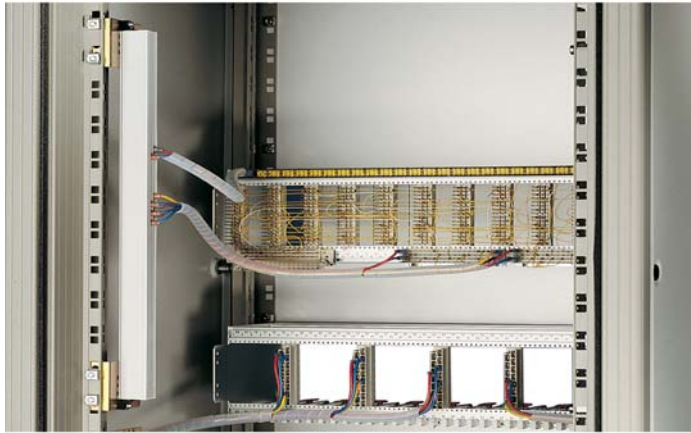
Mains voltage	500 V _{AC} (50 Hz)
Nominal current CuZn conductor	32 A (T _U = 40 °C)
Nominal current Cu conductor	63 A (T _U = 40 °C)
Conductor resistance	6.8 mΩ/m (brass), 1.9 mΩ/m (Cu)
Max. temperature of rail	70 °C
Flammability of insulation body	UL 94-V0

NOTE

- After cutting to length, please order fixings with insulating block separately

Cabinet Accessories–Electrics

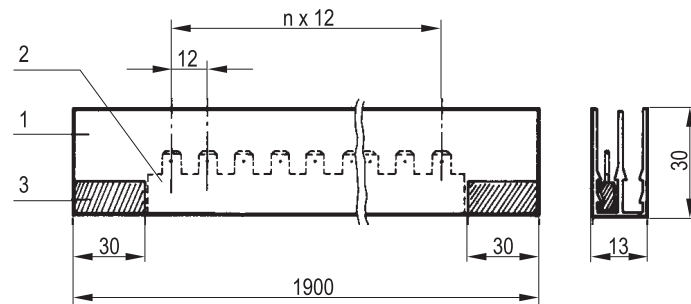
BUSBAR 1 AND 2 POLE



00892013



00892014



A4_561

- Vertical current distribution in cabinet
- Can be sawn off to required length
- Connections FASTON 6.3 x 0.8 mm

DELIVERY COMPRISES (assembled)

Item	Qty	Description
1	1	Insulating body for 2 inner conductors, length 1900 mm, PVC
2	1 (2)	Inner conductor, pushed in
3	2	Insulating block, glued in, PA 6, grey

ORDER INFORMATION

Description	Material	Length mm	Part no.
1 pole	E-Cu tin-plated	1900	20100-010
2 pole	E-Cu tin-plated	1900	20100-008
2 pole	Brass untreated	1900	20100-006
2 pole	Brass tin-plated	1900	20100-007

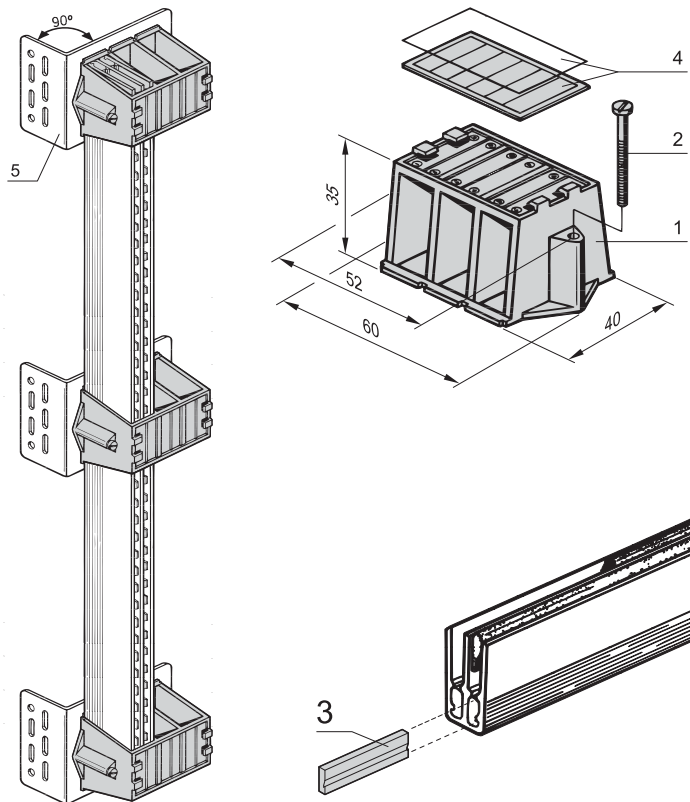
TECHNICAL DATA

Mains voltage	500 V _{AC} (50 Hz)
Isolation voltage	750 V
Nominal current CuZn conductor	50 A (T _U =20°C), 32 A (T _U =50°C)
Cu conductor	100 A (T _U =20°C), 60 A (T _U =50°C)
Breakdown voltage/test voltage	2500 V/2 kV/1 min
Conductor cross-section	18 mm ²
Conductor resistance	4 mΩ/m (brass), 1 mΩ/m (Cu)
Max. temperature of rail	70 °C
Flammability of insulation body	UL 94 V-0

- For mounting please order insulating block or mounting angle separately, see page 3.39

Cabinet Accessories–Electrics

MOUNTING BRACKET FOR BUSBAR 1, 2 POLE



A4-562 A4-565 00505051

- Mounting of 1 to 3 busbars in full length (max. 6 conductors)
- After cutting to length, glue in new insulating blocks
- Numbers 1...12 are stamped on for conductor identification

DELIVERY COMPRISES

Item	Qty	Description
1	4	Mounting bracket, plastic, Noryl, black
2	8	Screw with cross recess, St, M4 x 30, zinc-plated

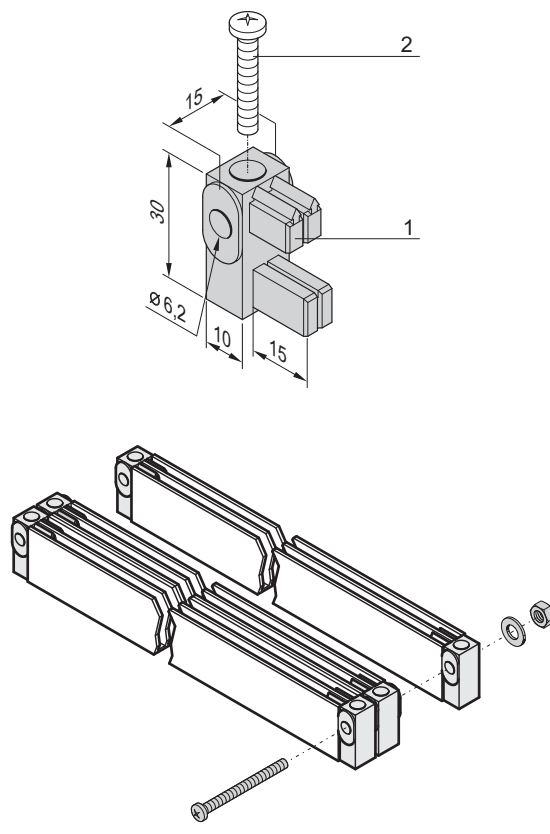
ORDER INFORMATION

Description	Part no.
Mounting bracket for bus bar 1, 2-pole	20100-028
Accessories	
Item 3 Insulating block for shortened busbar, 1 or 2-pole	20100-009
Item 4 Identification label with transparent cover, PU per 10 pieces	20100-013
Item 5 Mounting angle for cabinet assembly St, 1.5 mm, finish AlZn, PU 4 pieces	20100-029

NOTE

- To ensure stability, mounting brackets should be fitted at 500 mm intervals

MOUNTING WITH INSULATING BLOCK FOR BUSBAR 1, 2 POLE



els44253

EL444254

- Easy and space saving assembly of shortened busbars
- With integrated insulating block
- Mounting in rows possible

DELIVERY COMPRISES

Item	Qty	Description
1	4	Fixing with insulating block, Noryl, black
2	4	Screw, M4 x 25, St, zinc-plated

ORDER INFORMATION

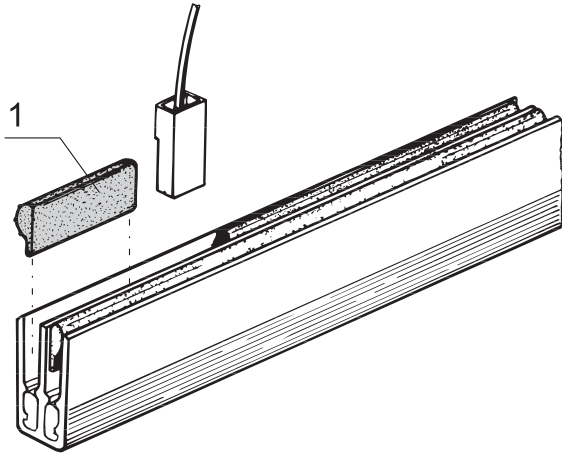
Description	Part no.
Fixing with insulating block for busbar 1 or 2 pole	20100-030
Mounting angle for cabinet assembly St, 1.5 mm, finish AlZn, PU 4 pieces	20100-029

NOTE

- M6 screw, washer and nut for row mounting not included

Cabinet Accessories–Electrics

CONTACT PROTECTION FOR BUS BAR 1 ... 4 POLE



A4-566

- Cover for the inner conductor (between the connectors)
- Can be shortened at any size

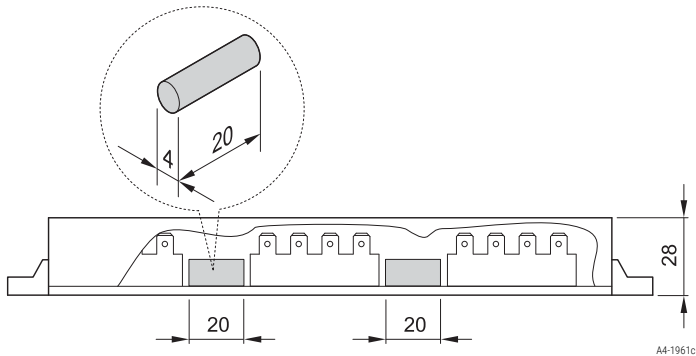
DELIVERY COMPRISES

Item	Qty	Description
1	1	Protection against contact for busbar, length 1 m

ORDER INFORMATION

Description	Length m	Part no.
Protection against contact for busbar	1	60100-398

INSULATING BLOCK FOR BUSBAR 1 ... 4 POLE



A4-1961c

- The insulating block breaks multiple circuits within one rail

DELIVERY COMPRISES

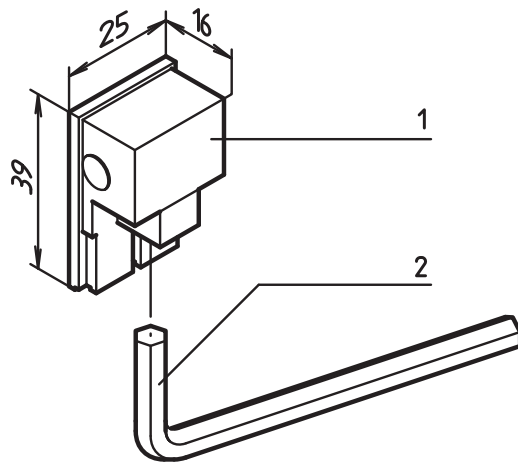
Item	Qty	Description
1	10	Insulating block, PVC Ø 4 x 20 mm

ORDER INFORMATION

Description	Part no.
Insulating block for busbar 1 ... 4 pole	20100-021

Cabinet Accessories–Electrics

POWER CONNECTOR 63 A FOR BUSBAR 1 ... 4 POLE



ela44252

- Nominal current max. 63 A at 40 °C
- Cable cross section max. 16 mm²
- Power supply protected against direct contact

DELIVERY COMPRISES

Item	Qty	Description
1	1	Power connector, ABS/E-Cu, tin-plated, ABS, self-extinguishing
2	1	Allen key, St, zinc-plated

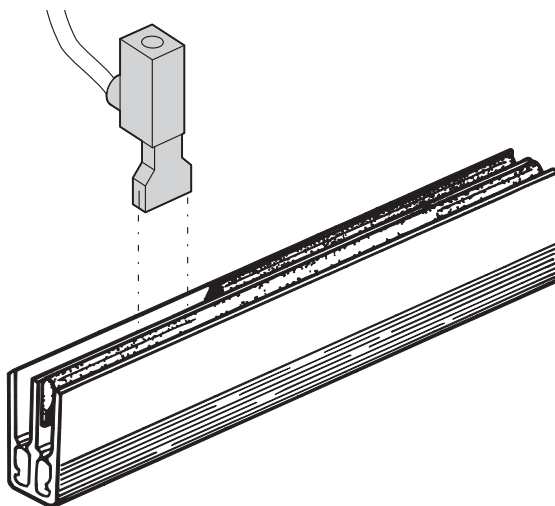
ORDER INFORMATION

Description	Part no.
Power connector 63 A for busbar 1 ... 4 pole	60100-478

NOTE

- Power connector requires two FASTON slots

POWER CONNECTOR 125 A FOR BUSBAR 1 ... 4 POLE



00505052

- Nominal current max. 125 A at 40°C
- Cable cross section max. 25 mm²
- Power supply protected against direct contact

DELIVERY COMPRISES

Item	Qty	Description
1	1	Power connector, PA, halogen-free, copper plate, connected

ORDER INFORMATION

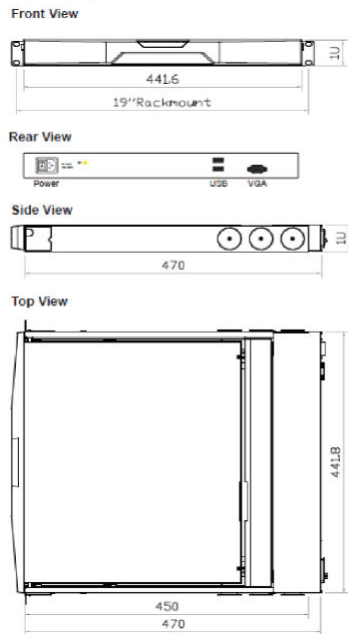
Description	Part no.
Power connector 125 A for busbar 1 ... 4 pole	60100-575

NOTE

- Power connector requires three FASTON slots

Cabinet Accessories–Monitor, keyboard

MONITOR, KEYBOARD, TOUCHPAD, 1 U



Technical data

Mains voltage	110 ... 240 V _{AC} (50 Hz ... 60 Hz)
Power consumption	Active max 30 W, standby < 1 W
Monitor	17", TFT display, resolution 1280 x 1024, 16.7 million colours, contrast 1000:1, brightness 350 cd/cm ² , viewing angle 160°, Operating life LED backlight 30000 h, on-screen menu;
Keyboard	83 keys (numeric pad integrated), connects to computer via PS/2 or USB
Touchpad	Industry standard, width 62 mm, height 46 mm, connects to computer via USB
Dimensions (with closed monitor)	Height 1 U (44 mm), width 19" (483 mm), depth without handle 470 mm, depth with handle 590 mm
Dimensions (with open monitor, fully extracted)	Height 380 mm, width 483 mm, depth min. 1000 mm (depending on mounting depth)
Extraction depth	500 mm
Operating / storage temperature	0 ... 50 °C / -20 ... 60 °C
Operating / storage humidity	5 ... 90 % / 5 ... 90 %
Shock	non operating 50 g / 11 ms
Vibration	non operating 1.5 g / 10-300 Hz
Weight	13 kg
MTBF	35000 h

- Pull-out 17" TFT colour monitor chassis, 1 U (resolution 1280 x 1024, connects to VGA interface)
- Keyboard with German, English or French keyboard layout (connection cable via USB)
- Integral touchpad (connects via USB)
- Voltage supply:
Wide-range input (nominal mains voltage 110 to 240 V_{AC}), Voltage supply 12, 24 and 48 V_{DC} on request
- Depth-adjustable mounting for different pitches of server panel/slide mounts;
Mounting depth (dimension c = spacing of 19" profiles): 470 ... 740 mm (smaller mounting depths on request)



DELIVERY COMPRISES (assembled and wired)

Item	Qty	Description
1	1	1 U chassis, pull-out, RAL 9005 black; 17" monitor, keyboard and touchpad; Monitor connection cable via CB-6A USB / VGA , VGA to USB /VGA
2a	1	Mains supply cable, length 2.5 m, black BS-Brith Standard to IEC 60320-C13 socket
2b	1	Mains supply cable, length 2.0 m, black Schuko / UTE plug to IEC 60320-C13 socket
3	1	Assembly kit and quick start guide

ORDER INFORMATION

Description	Qty/PU pieces	Part no.
German keyboard layout	1	60118-581
English keyboard layout	1	60118-580
French keyboard layout	1	60118-582

Delivery: fitted in cabinet or on frame	Part no./05
Delivery: supplied loose with cabinet or frame	Part no./35

NOTE

- Adaption to other mains connections see page 3.36

Cabinet Accessories—Monitors, keyboards

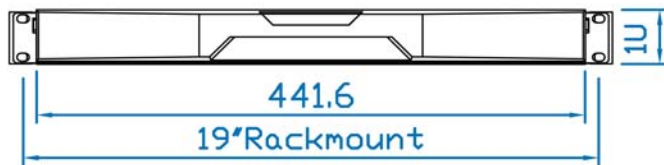
19" DRAWER WITH KEYBOARD (TOUCHPAD), RAL 9005



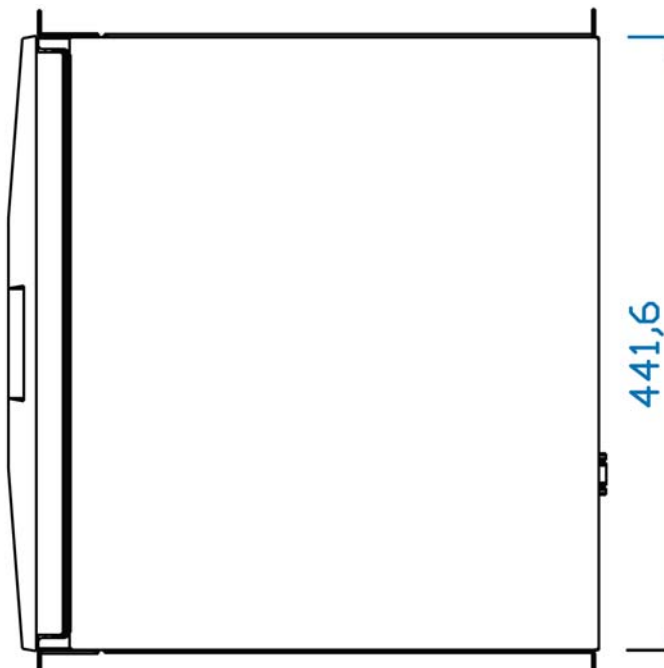
- Extendable 1 U drawer with keyboard including function keys, number pad, touchpad
- Locking at full extension and in the inserted state
- Connection to USB
- Color jet black (RAL 9005)
- Installation dimension 19" rail distance (c-dimension) from 470 ... 700 mm

DELIVERY INCLUDES (assembled and wired)

Item	Qty	Description
1	1	19" drawer with front panel 1 U; keyboard (width 441 mm, depth 310 mm); with USB, cable length 1.8 m; touchpad 62 x 46 mm



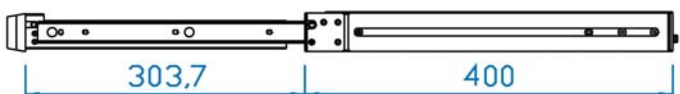
Front view



Top view



Side view



Pulled out side view

ORDER INFORMATION

Height U	Width mm	Depth mm	Description	Part no.
1	442	400	German keyboard	60118-566
1	442	400	French keyboard layout	60118-568
1	442	400	UK keyboard layout	60118-569
1	442	400	USA keyboard layout	60118-567

Accessories

Adapter angle for depth adjustment Installation to 19" level (10 mm or 44.5 mm). Due to the adapter angle, the insert can be installed 10 mm or 44.5 mm offset to the front. As a result, the keyboard is fully accessible in the above 19" internals or installation in the upper cabinet area, PU 2 pieces **20118-814**

NOTE

- Other keyboard layouts, trackball and connections on request
- 19" assembly kit, see page 3.17

Cabinet Accessories–Management

CABINET MANAGEMENT BASIC UNITS



EMX 111

00711020



EMX 888

00711023



Rear view EMX 888

00711021

- Monitoring and management of air/water heat exchanger, environmental parameters and access
- Local display, Ethernet interface and web interface
- 2 versions
 - EMX 111 Monitoring for one air/water heat exchanger and up to max. 16 sensor values
 - EMX 888 (19" case): Monitoring for up to 8 air/water heat exchangers and up to max. 128 sensor values

DELIVERY COMPRISES

Item	Qty	Description
1	1	Cabinet management basic unit; integrated power supply unit, 230 V _{AC} , IEC C13 socket
2	1	Mains cable IEC C13 on SCHUKO/UTE, cable restrainer with clip
3	2	Mounting bracket
4	1	Serial interface cable with DB9F connection, black
13	1	User manual

ORDER INFORMATION

Height H mm	Width W mm	Depth D mm	Part no.
44	–	251	EMX111
44	1	440	EMX888

Interfaces

EMX111	EMX888	Description
1	8	RJ 12 socket, connection point for environmental sensors
1	8	RJ 45 socket (RS 485; connecting point for air/water heat exchanger)
1	8	RJ 45 socket, connection for asset management strips
1	1	RJ 45 socket, connection point for network (Ethernet)
1	1	USB socket, host
1	1	USB socket, device
-	2	Potential-free contacts
1	1	RS 232 socket, serial interface

NOTE

- Sensors (temperature, humidity, differential pressure, airflow...) and hub for connecting multiple sensors, see from page 3.45

Cabinet Accessories–Management

SENSORS

- The sensors are connected to the base unit via a RJ12 interface
- The sensors connected are detected automatically

ORDER INFORMATION

	Description	Measurements	Input Connection	Qty/PU pieces	Part no.
	Temperature sensor	1 x temperature	Cable length 3 m	1	60110-313
	Temperature/ humidity combi sensor	1 x temperature 1 x humidity	Cable length 3 m	1	60110-314
	Two temperature/ humidity combi sensors	2 x temperature 2 x humidity	Cable length 3 m + 3 m	1	60110-315
	Two temperature sensors and one temperature/ humidity combi sensor	3 x temperature 1 x humidity	Cable length 3 m + 3 m + 3 m	1	DPX-T3H1
	Dual potential-free contact sensor	–	Cable length 0.5 m	1	DPX-CC2-TR
	Differential pressure and temperature sensor	1 x pressure 1 x temperature	Cable length 3 m	1	DPX-T1DP1
	Airflow sensor	1 x air circulation	Cable length 3 m	1	DPX-AF1

NOTE

- Other sensors e.g. smoke detector, vibrations, leakage, etc. on request

Cabinet Accessories–Management

HUB TO ACCEPT 4 SENSORS



- Connections (signals and power) are via RJ12 plug on the power control socket strip or on the cabinet management system
- A maximum of 4 sensors can be connected, thus up to 16 variables (depending on sensors) can be transmitted (temperature sensor, temperature/humidity combi sensor, differential pressure, potential-free contacts, airflow sensor)

DELIVERY COMPRISES

Item	Qty	Description
1	1	Case, height 18 mm, width 106 mm, depth 37 mm
2	1	RJ12 socket to connect to socket strip or cabinet management system (IN; for power supply and data transmission)
3	4	RJ12 socket for connecting sensors (OUT)
4	1	Connecting cable, RJ12 plug – RJ12 plug, length 1 m
5	2	Mounting angle, St, 2 mm, RAL 7035

00709011

ORDER INFORMATION

Description	Part no.
Hub to accept 4 sensors (max. 16 parameters)	60110-316

Cabinet Accessories–Management

Cabinet Accessories – Socket strips

OVERVIEW

MAIN KATALOG

Cabinets 1

Wall mounted cases 2

Accessories for cabinets and wall mounted cases . . 3

Climate control . . 4

Electronics cases 5

Subracks/ 19" chassis 6

Front panels, plug-in units 7

Systems 8

Power supply units 9

Backplanes 10

Connectors, front panel component system 11

Appendix 12



00704002



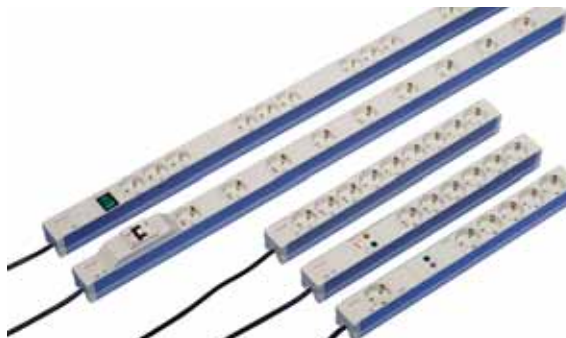
Single-phase and three-phase strips

00704003



Strips with fixed connecting cables or with Wieland® GST 18 connecting system

00704004



Broad range of functional elements up to master-slave

00704005



19" power distribution for 3 phases, 2 performance classes

00708047

Cabinet Accessories – Socket strips

OVERVIEW

SOCKET STRIPS

- Modular, compact construction with many function elements
- Mains input via cable and country-specific plug or via Wieland® GST18 system
- Horizontal mounting on the 19" plane (1 U) or vertically on the cabinet frame
- Multiphase supply via three-phase strips or IEC power distributor



SOCKET STRIPS IN 1 U AL EXTRUSION

- Hard wired connecting cable with country-specific mains plug or Wieland® GST18
- Country-specific sockets: IEC, SCHUKO, UTE, British Standard, USA or Swiss versions
- Functional elements: Fault current, overcurrent and transient protection, interference suppression filter with display
- Single-phase and three-phase feed



19" POWER DISTRIBUTOR, 3-PHASE

- 3-phase distributor to connect single phase consumers or socket strips
- Input 3-phase 400 V_{AC} (32 A or 63 A)
- Output with IEC 60320-C19 sockets
 - 6 × 230 V_{AC} in 32 A/phase version
 - 9 × 230 V_{AC} in 63 A/phase version
- Overcurrent protection for each output

SERVICEPLUS

e.g. individual configuration of design, sockets, power connection, functional elements (filter, overcurrent and overvoltage protection, etc.)

Overview 3.50

Socket strips with connecting cable

SCHUKO

SCHUKO socket strips 3.52

SCHUKO socket strips, master-slave 3.53

SCHUKO socket strips, 3 circuits 3.54

UTE

UTE socket strips 3.55

UTE socket strips, master-slave 3.56

UTE socket strips, 3 circuits 3.57

IEC

IEC socket strips, C13 3.58

IEC socket strips, C19 3.59

IEC socket strips, C19, 3 phase 3.60

SCHUKO/ IEC

Socket strips with 2 supply cables 3.61

BS

BS socket strips 3.62

US

USA socket strips 3.63

Switzerland

Socket strips Swiss version 3.64

Socket strips, Wieland®

SCHUKO socket strips, Wieland® 3.67

UTE socket strips, Wieland® 3.68

IEC socket strips, Wieland® 3.69

Connector cable for Wieland® 3.70

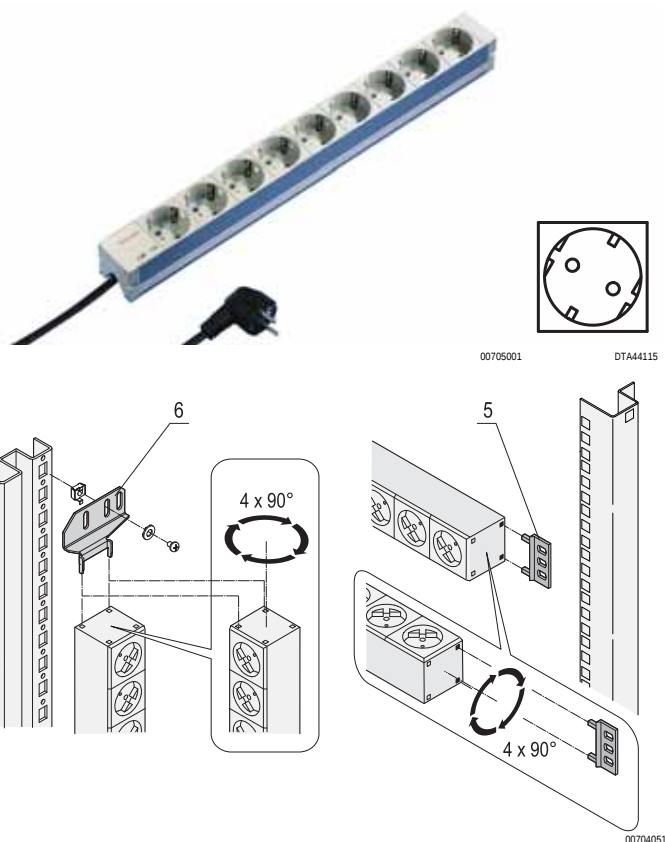
19" power distributor 3-phase 3.71

ServicePLUS 3.71

Power Control socket strips 3.72

Cabinet Accessories – Socket strips

SCHUKO SOCKET STRIP



- Socket strips with SCHUKO sockets, with either switch or function elements
- Installation height 1 U
- Connecting cable 2 m with SCHUKO/UTE plug
- Socket strips can be rotated through all four directions (in 90° increments) during installation
- Horizontal or vertical mounting
- 230 V, 16 A
- In accordance with DIN 57620, VDE 0620



DELIVERY COMPRISES (assembled)

Item	Qty	Description
1	1	Al extrusion, 1 U, anodised, for sockets and functional elements
2		SCHUKO sockets (35° rotated, PA, RAL 7035), illuminated switch and functional elements, for type and quantity see Order information
3	2	End piece, PA, RAL 7035
4	1	Connecting cable, black, 2 m, 05VV-F 3G 1.5 mm ² , with SCHUKO/UTE connector, PVC, encapsulated
5	2	Mounting bracket, PA, RAL 7035 (only with 10", 19" version)

Item 6: bracket for vertical mounting

ORDER INFORMATION

Description	Sockets	Length Inch	Length mm	Depth mm	Switch	Functional element	Part no.
SCHUKO	3	–	184	44	–	–	60110-200
	4	10"	210	44	–	–	60110-201
	9	19"	438.5	44	–	–	60110-202
	12	–	947.5	44	–	–	60110-203
	15	–	1202	44	–	–	60110-204
	19	–	1753	44	–	–	60110-205
SCHUKO - with switch	8	19"	438.5	44	X	–	60110-206
	12	–	947.5	44	X	–	60110-207
	15	–	1202	44	X	–	60110-208
	19	–	1753	44	X	–	60110-209
SCHUKO with functional elements	6	19"	438.5	88	–	Fault current protection	60110-216
	6	19"	438.5	75	–	Overcurrent protection	60110-212
	6	19"	438.5	88	–	Fault current protection, overcurrent protection	60110-217
	7	19"	438.5	44	–	Mains suppression filter	60110-214
	8	19"	438.5	44	–	Transient protection	60110-210
	6	19"	438.5	44	–	Transient protection, mains suppression filter	60110-266
	9	–	947.5	44	–	Transient protection	60110-211

Delivery: fitted in cabinet or on frame

Part no./05

Delivery: supplied loose with cabinet or frame

Part no./35

Accessories

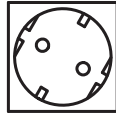
Item 6 Mounting bracket for one socket strip for vertical mounting, St, 2 mm, PU 2 pieces	20110-068
Mounting plate for mounting of two socket strips side by side for vertical mounting, St, 2 mm, height 70 mm, depth 135 mm, PU 2 pieces	23130-010

NOTE

- Please order mounting bracket for vertical mounting separately

Cabinet Accessories – Socket strips

SCHUKO SOCKET STRIP, 3-PHASE



00704008

DTA44115

- Socket strips with SCHUKO sockets, 3-phase
- Installation height 1 U
- Connecting cable 2 m, open end with ferrules
- Socket strips can be rotated through all four directions (in 90° increments) during installation
- Vertical mounting
- 3 phases, 16 A per phase
- In accordance with DIN 57620



DELIVERY COMPRISES (assembled)

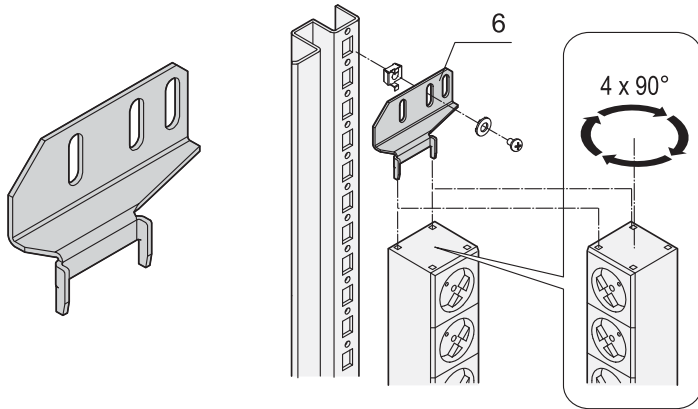
Item	Qty	Description
1	1	Al extrusion, 1 U, anodised, for sockets
2	9	SCHUKO sockets (35° rotated, PA, RAL 7035), 3 phases x 3 sockets, different colours
3	2	End piece, PA, RAL 7035
4	1	Connecting cable, black, 2 m, 05VV-F 5G 2.5 mm ² , open end with ferrules

ORDER INFORMATION

Sockets	Height U	Length mm	Depth mm	Part no.
9	1	608.5	44	60110-219
Delivery: fitted in cabinet or on frame				Part no./05
Delivery: supplied loose with cabinet or frame				Part no./35
Accessories				
Item 6 Mounting bracket for one socket strip for vertical mounting, St, 2 mm, PU 2 pieces				20110-068
Mounting plate for mounting of two socket strips side by side for vertical mounting, St, 2 mm, height 70 mm, depth 135 mm, PU 2 pieces				23130-010

NOTE

- Please order mounting bracket for vertical mounting separately

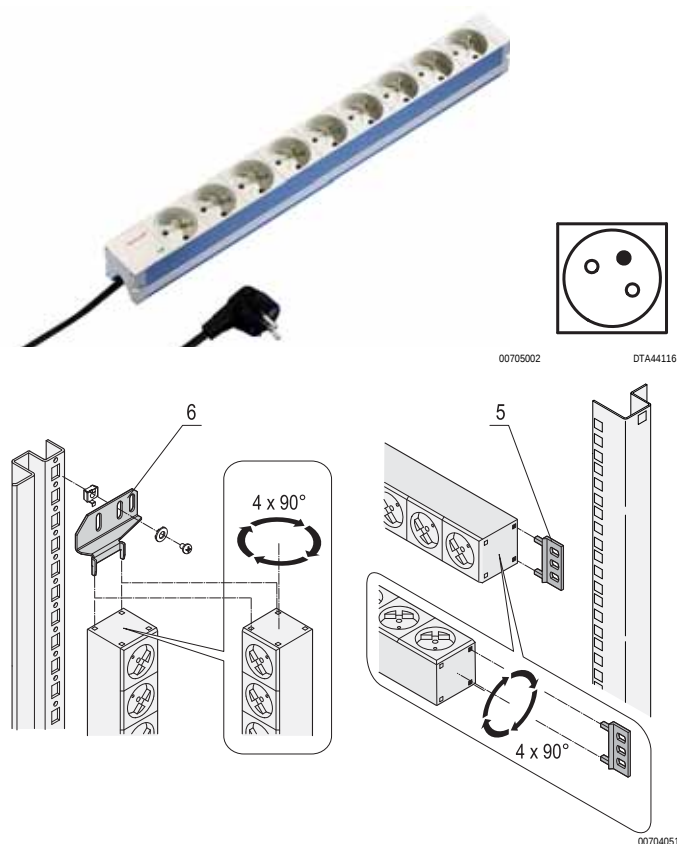


00502502

Item 6: bracket for vertical mounting

Cabinet Accessories – Socket strips

UTE SOCKET STRIP



Item 6: bracket for vertical mounting

- Socket strip with SCHUKO sockets, either with switch or functional elements
- Mounting height 1 U
- Connecting cable 2 m, with SCHUKO/UTE plug
- Socket strips can be rotated through all four directions (in 90° increments) during installation
- Horizontal and vertical mounting
- 230 V, 16 A
- In accordance with NFC 61-303



DELIVERY COMPRISES (assembled)

Item	Qty	Description
1	1	Al extrusion, 1 U, anodised, for sockets and functional elements
2		UTE sockets (35° rotated, PA, RAL 7035), illuminated switch and functional elements, for type and quantity see Order information
3	2	End piece, PA, RAL 7035
4	1	Connecting cable, black, 2 m, 05VV-F 3G 1.5 mm ² , with SCHUKO/UTE connector, PVC, encapsulated
5	2	Mounting bracket, PA, RAL 7035 (only with 10", 19" version)

ORDER INFORMATION

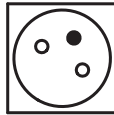
Description	Sockets	Length Inch	Length mm	Depth mm	Switch	Functional element	Part no.
Socket strip 10", 4 UTE sockets	4	10"	210	44	–	–	60110-220
	9	19"	438.5	44	–	–	60110-221
	12	–	947.5	44	–	–	60110-222
	15	–	1202	44	–	–	60110-223
	19	–	1753	44	–	–	60110-224
UTE with switch	8	19"	438.5	44	X	–	60110-225
	12	–	947.5	44	X	–	60110-226
UTE with functional element	6	19"	438.5	88	–	Fault current protection	60110-230
	6	19"	438.5	75	–	Overcurrent protection	60110-228
	6	19"	438.5	88	–	Fault current protection, overcurrent protection	60110-231
	7	19"	438.5	44	–	Mains suppression filter	60110-229
	8	19"	438.5	44	–	Transient protection	60110-227
	6	19"	438.5	44	–	Transient protection, mains suppression filter	60110-267
Delivery: fitted in cabinet or on frame							Part no./05
Delivery: supplied loose with cabinet or frame							Part no./35
Accessories							
Item 6 Mounting bracket for one socket strip for vertical mounting, St, 2 mm, PU 2 pieces							20110-068
Mounting plate for mounting of two socket strips side by side for vertical mounting, St, 2 mm, height 70 mm, depth 135 mm, PU 2 pieces							23130-010

NOTE

- Please order mounting bracket for vertical mounting separately

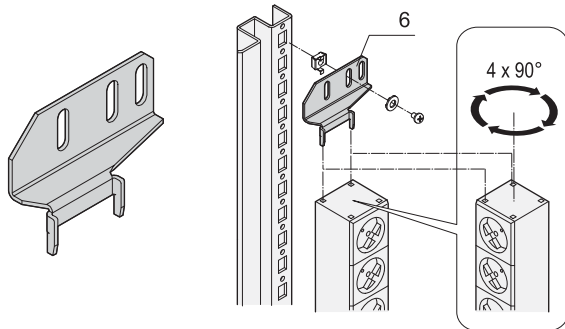
Cabinet Accessories – Socket strips

UTE SOCKET STRIP, 3-PHASE



00704010

DTA44116



Item 6: bracket for vertical mounting

- Socket strips with UTE sockets, 3-phase
- Installation height 1 U
- Connecting cable 2 m, open end with ferrules
- Socket strips can be rotated through all four directions (in 90° increments) during installation
- Vertical mounting
- 3 phases, 16 A per phase
- In accordance with NFC 61-303



DELIVERY COMPRISES (assembled)

Item	Qty	Description
1	1	Al extrusion, 1 U, anodised, for sockets
2	9	UTE sockets (35° rotated, PA, RAL 7035), 3 phases x 3 sockets, different colours
3	2	End piece, PA, RAL 7035
4	1	Connecting cable, black, 2 m, 05VV-F 5G 2.5 mm ² , open end with ferrules

ORDER INFORMATION

Sockets	Height U	Length mm	Depth mm	Part no.
9	1	608.5	44	60110-233
Delivery: fitted in cabinet or on frame				Part no./05
Delivery: supplied loose with cabinet or frame				Part no./35
Accessories				
Item 6 Mounting bracket for one socket strip for vertical mounting, St, 2 mm, PU 2 pieces				20110-068
Mounting plate for mounting of two socket strips side by side for vertical mounting, St, 2 mm, height 70 mm, depth 135 mm, PU 2 pieces				23130-010

NOTE

- Please order mounting bracket for vertical mounting separately

Cabinet Accessories – Socket strips

IEC SOCKET STRIP, C13



- Socket strips with IEC 60320-C13 sockets
- Mounting height 1 U
- Connecting cable 2 m, open end with ferrules
- Socket strips can be rotated through all four directions (in 90° increments) during installation
- Horizontal and vertical mounting
- 230 V, 10 A
- In accordance with IEC 60320



DELIVERY COMPRISES (assembled)

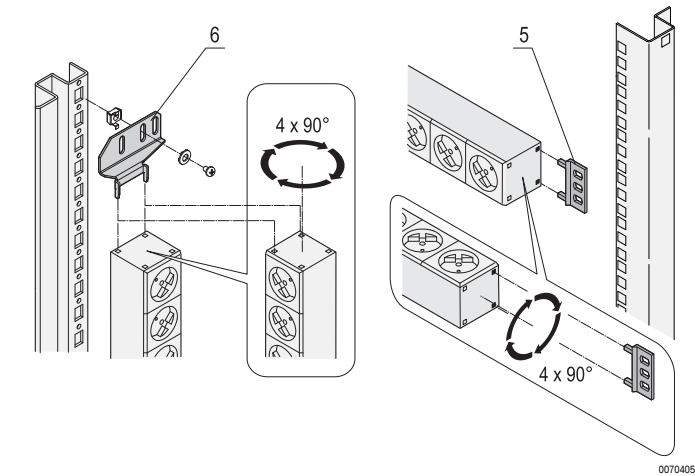
Item	Qty	Description
1	1	Al extrusion, 1 U, anodised, to accommodate the sockets and function elements
2		IEC 60320-C13 sockets (PA, RAL 7035), quantity see Order information
3	2	End piece, PA, RAL 7035
4	1	Connecting cable, 2 m, black, open end with ferrules, H05VV-F 3G 1.5 mm ²
5	2	Mounting bracket, PA, RAL 7035, (on 19" versions only)

ORDER INFORMATION

Sockets	Length Inch	Length mm	Depth mm	Part no.
8	19"	438.5	44	60110-290
12	19"	438.5	44	60110-291
16	—	608.5	44	60110-292
Delivery: fitted in cabinet or on frame				Part no./05
Delivery: supplied loose with cabinet or frame				Part no./35
Accessories				
Locking tab for IEC 60320-C13 connector PU 12 pieces				60110-362
Item 6 Mounting bracket for socket strips for vertical mounting, St, 2 mm, PU 2 pieces				20110-068
Mounting plate for mounting of two socket strips side by side for vertical mounting, St, 2 mm, height 70 mm, depth 135 mm, PU 2 pieces				23130-010
Mains cable, IEC : for locking tab IEC 60320-C14 plug, IEC 60320 C13 socket, 0.5 m, 1 piece				60110-360
Mains cable, IEC : for locking tab IEC 60320-C14 plug, IEC 60320 C13 socket, 1 m, 1 piece				60110-361

NOTE

- Please order bracket for vertical mounting separately
- IEC socket strips, telemonitored and remote-controlled see page 3.75
- IEC socket strips with universal connections (Wieland® connectors) see page 3.67



Item 6: bracket for vertical mounting



Strain relief provided by locking tabs

Cabinet Accessories – Socket strips

IEC SOCKET STRIP, C19



- Socket strips with C19 IEC sockets (8 or 12 pieces)
- Mounting height 1 U
- Connecting cable 2 m, with connector in accordance with IEC 60309
- Socket strips can be rotated through all four directions (in 90° increments) during installation
- Vertical mounting (19" version horizontal or vertical)
- 230 V, 32 A (with 2 x 16 A fuse), 16 A (without fuse)



DELIVERY COMPRISES

Item	Qty	Description
1	1	Al extrusion, 1 U, anodised, for sockets and functional elements
2		Sockets, IEC 60320 C19 (PA, RAL 7035), for type and quantity see Order information
3	2	End piece, PA, RAL 7035
4	1	Connecting cable, 2 m, with IEC 60309 connector
5	2	Mounting bracket, PA, RAL 7035, only for 19" versions

ORDER INFORMATION

Sockets	Length	Length	Depth	Input	Fuse	Part no.
IEC 60320 C19	Inch	mm	mm			
8	19"	438.5	44	230 V _{AC} , 16 A	–	60110-280
12	–	947.5	44	230 V _{AC} , 16 A	–	60110-282
12	–	947.5	44	230 V _{AC} , 32 A	2 x 16 A	60110-281

Delivery: fitted in cabinet or on frame

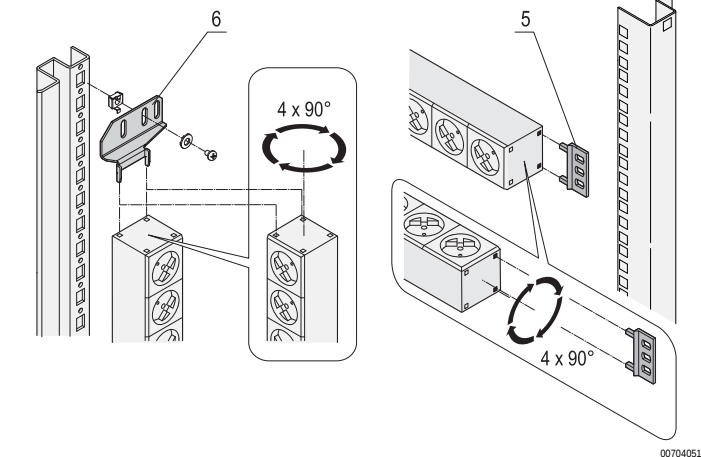
Part no./05

Delivery: supplied loose with cabinet or frame

Part no./35

Accessories

Item 6 Mounting bracket for one socket strip for vertical mounting, St, 2 mm, PU 2 pieces	20110-068
Mounting plate for mounting of two socket strips side by side for vertical mounting, St, 2 mm, height 70 mm, depth 135 mm, PU 2 pieces	23130-010



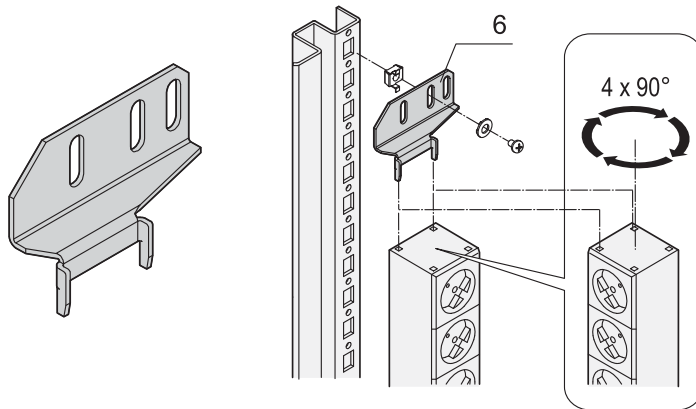
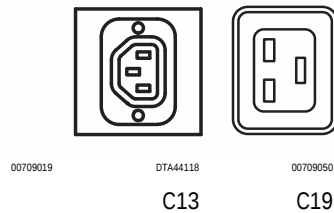
Item 6: bracket for vertical mounting

NOTE

- Please order bracket for vertical mounting separately
- 19" assembly kit see page 3.17

Cabinet Accessories – Socket strips

IEC SOCKET STRIP, 3 PHASE



Item 6: bracket for vertical mounting

- Socket strips with IEC sockets in accordance with IEC 60320 (C13 or C13/ C19)
- Mounting height 1 U
- Connecting cable 2 m, 3 phase, with connector plug in accordance with IEC 60309 (16 A or 32 A)
- Socket strips can be rotated through all four directions (in 90° increments) during installation
- Vertical mounting
- 400 V, 32 A (with 6 x 16 A fuse), 16 A (without fuse)



DELIVERY COMPRISES

Item	Qty	Description
1	1	Al extrusion, 1 U, anodised, for sockets and functional elements
2		Sockets IEC 60320 (PA, RAL 7035), type and quantity see Order information
3	2	End piece, PA, RAL 7035
4	1	Connecting cable, 2 m, with IEC 60309 connector

ORDER INFORMATION

Input	Length mm	Depth mm	Output	Fuse	Part no.
400 V _{AC} , 16 A	947.5	44	18 x IEC C13	—	60110-283
400 V _{AC} , 16 A	947.5	44	18 x IEC C13, 6 x IEC C19	—	60110-284
400 V _{AC} , 32 A	1753	44	24 x IEC C13, 6 x IEC C19	6 x 16 A	60110-285

Delivery: fitted in cabinet or on frame

Part no./05

Delivery: supplied loose with cabinet or frame

Part no./35

Accessories

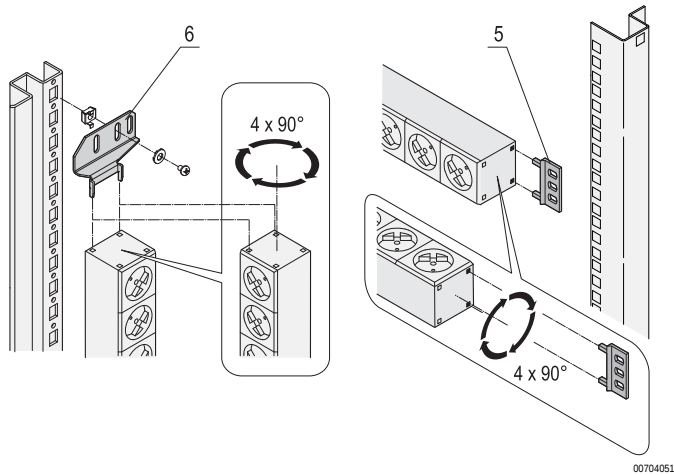
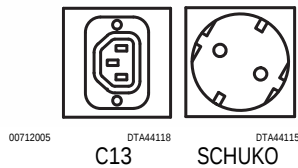
Item 6 Mounting bracket for one socket strip for vertical mounting, St, 2 mm, PU 2 pieces	20110-068
Mounting plate for mounting of two socket strips side by side for vertical mounting, St, 2 mm, height 70 mm, depth 135 mm, PU 2 pieces	23130-010

NOTE

- Please order bracket for vertical mounting separately
- 19" assembly kit see page 3.17

Cabinet Accessories – Socket strips

SOCKET STRIPS WITH 2 SUPPLY CABLES, SCHUKO AND IEC, 3 PHASE



- Socket strips with IEC 60320-C13 sockets and SCHUKO sockets
- Mounting height 1 U
- Two connector cables (halved in direction of length), 3 m (with open end), 2 x 3 phase, 400 V_{AC} (red, black, white area)
- Socket strips can be rotated in all directions (in 90° increments) during installation
- Horizontal and vertical assembly possible



DELIVERY INCLUDES

Item	Qty	Description
1	1	Al extrusion, 1 U, anodized, for socket inserts
2		Socket inserts, IEC 60320 (PA, RAL 7035), type and quantity see Order information
3	2	Endpiece, PA, RAL 7035
4	1	Connector cable, 2 x 2 m, open cable end for laying

ORDER INFORMATION

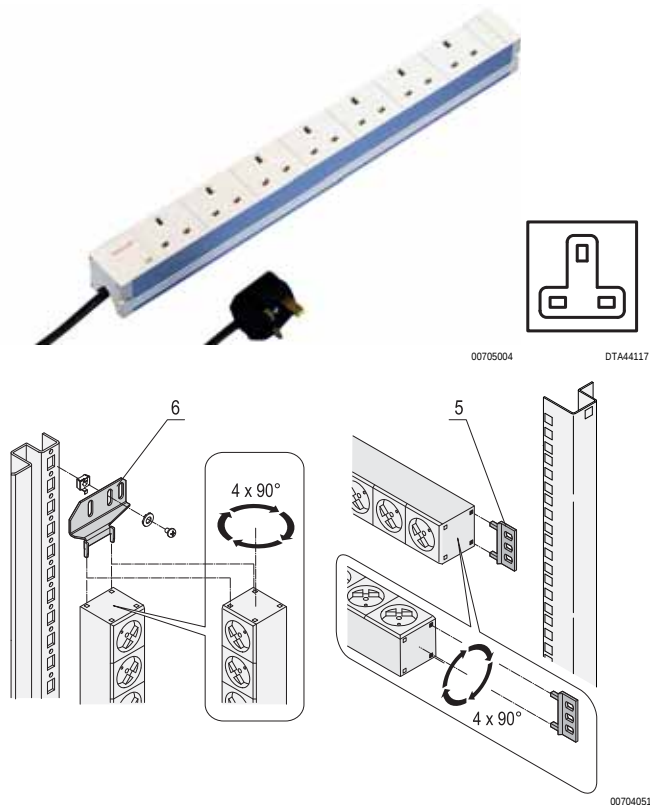
Input	Length mm	Depth mm	Output	Part no.
400 V _{AC} , 16 A	1848.5	44	36 x IEC C13 + 12 x SCHUKO	60110-286
400 V _{AC} , 16 A	1848.5	44	48 x IEC C13	60110-287
Delivery: fitted in cabinet or on frame				Part no./05
Delivery: supplied loose with cabinet or frame				Part no./35
Accessories				
Item 6 Mounting bracket for one socket strip for vertical mounting, St, 2 mm, PU 2 pieces				20110-068
Mounting plate for mounting of two socket strips side by side for vertical mounting, St, 2 mm, height 70 mm, depth 135 mm, PU 2 pieces				23130-010

NOTE

- Fixing bracket for vertical mounting, only required for fitting into 47 U cabinet, please order separately

Cabinet Accessories – Socket strips

BS SOCKET STRIP



Item 6: bracket for vertical mounting

- Socket strips with British Standard sockets, optionally with switch
- Installation height 1 U
- Supply cable 2 m with BS plug (fuse integrated)
- Socket strips can be rotated through all four directions (in 90° increments) during installation
- Horizontal and vertical mounting
- 230 V, 13 A
- In accordance with BS 1363



DELIVERY COMPRISES (assembled)

Item	Qty	Description
1	1	Al extrusion, 1 U, anodised, for sockets and functional elements
2		BS sockets (PA, RAL 7035) and switch (illuminated), type and quantity see Order information
3	2	End piece, PA, RAL 7035
4	1	Connecting cable, black, 2 m, 05VV-F 3G 1.5 mm ² , with BS connector (integrated 13 A fuse), PVC, encapsulated
5	2	Mounting bracket, PA, RAL 7035, only for 19" versions

ORDER INFORMATION

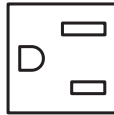
Description	Sockets	Length Inch	Length mm	Depth mm	Part no.
BS	7	19"	438.5	44	60110-243
BS	10	—	947.5	44	60110-244
BS with switch	6	19"	438.5	44	60110-245
Delivery: fitted in cabinet or on frame					Part no./05
Delivery: supplied loose with cabinet or frame					Part no./35
Accessories					
Item 6 Mounting bracket for one socket strip for vertical mounting, St, 2 mm, PU 2 pieces					20110-068
Mounting plate for mounting of two socket strips side by side for vertical mounting, St, 2 mm, height 70 mm, depth 135 mm, PU 2 pieces					23130-010

NOTE

- Please order mounting bracket for vertical mounting separately

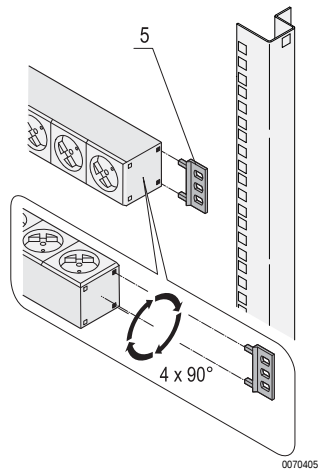
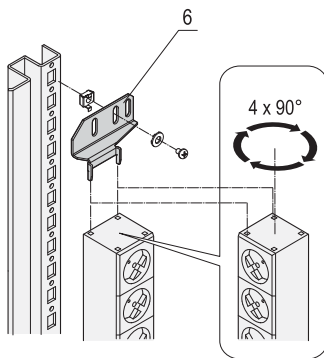
Cabinet Accessories – Socket strips

USA SOCKET STRIP



00705005

DTA44797



Item 6: bracket for vertical mounting

- Socket strips with USA sockets, alternatively with switch
- Mounting height 1 U
- Connecting cable 2 m, with USA plug
- Socket strips can be rotated through all four directions (in 90° increments) during installation
- Horizontal and vertical mounting
- 115 V, 15 A
- In accordance with UL-498

DELIVERY COMPRISES (assembled)

Item	Qty	Description
1	1	Al extrusion, 1 U, anodised, for sockets and functional elements
2		USA sockets (PA, RAL 7035) and switch (illuminated), for type and quantity see Order information
3	2	End piece, PA, RAL 7035
4	1	Connecting cable, black, 2 m, 05VV-F 3G 1.5 mm ² , with USA socket, PVC, encapsulated
5	2	Mounting bracket, PA, RAL 7035, only for 19" versions

ORDER INFORMATION

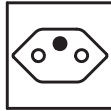
Description	Socket inserts	Length Inch	Length mm	Depth mm	Part no.
US	11	19"	438.5	44	60110-240
US	15	—	947.5	44	60110-241
US with switch	11	19"	438.5	44	60110-242
Delivery: fitted in cabinet or on frame					Part no./05
Delivery: supplied loose with cabinet or frame					Part no./35
Accessories					
Item 6 Mounting bracket for one socket strip for vertical mounting, St, 2 mm, PU 2 pieces					20110-068
Mounting plate for mounting of two socket strips side by side for vertical mounting, St, 2 mm, height 70 mm, depth 135 mm, PU 2 pieces					23130-010

NOTE

- Please order mounting bracket for vertical mounting separately

Cabinet Accessories – Socket strips

SWISS SOCKET STRIP



00705006

DTA44124

- Socket strips with sockets, Swiss version, optionally with switch
- Installation height 1 U
- Connecting cable 2 m with Swiss version plug
- Socket strips can be rotated through all four directions (in 90° increments) during installation
- Horizontal and vertical mounting
- 230 V, 10 A
- In accordance with SEV.IEC 60884



DELIVERY COMPRISES (assembled)

Item	Qty	Description
1	1	Al extrusion, 1 U, anodised, for sockets and functional elements
2		Sockets, Swiss version (PA, RAL 7035), switch (illuminated), for type and quantity see Order information
3	2	End piece, PA, RAL 7035
4	1	Supply cable, black, 2 m, 05VV-F 3G 1.0 mm ² , with plug (Swiss version), PVC, moulded
5	2	Mounting bracket, PA, RAL 7035

ORDER INFORMATION

Description	Sockets	Length Inch	Length mm	Depth mm	Part no.
Swiss version	10	19"	438.5	44	60110-453
Swiss version with switch	9	19"	438.5	44	60110-454

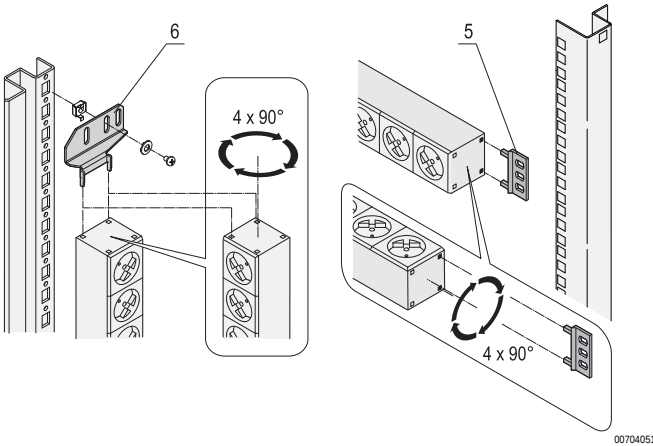
Delivery: fitted in cabinet or on frame	Part no./05
Delivery: supplied loose with cabinet or frame	Part no./35

Accessories

Item 6 Mounting bracket for one socket strip for vertical mounting, St, 2 mm, PU 2 pieces	20110-068
Mounting plate for mounting of two socket strips side by side for vertical mounting, St, 2 mm, height 70 mm, depth 135 mm, PU 2 pieces	23130-010

NOTE

- Please order mounting bracket for vertical mounting separately

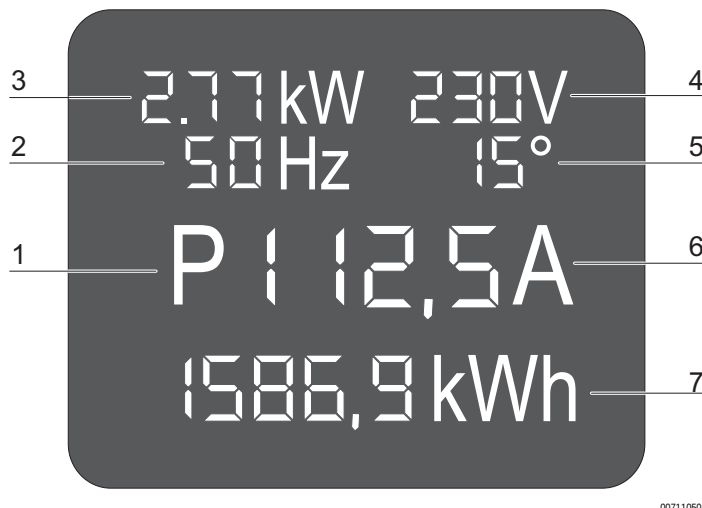


Item 6: bracket for vertical mounting

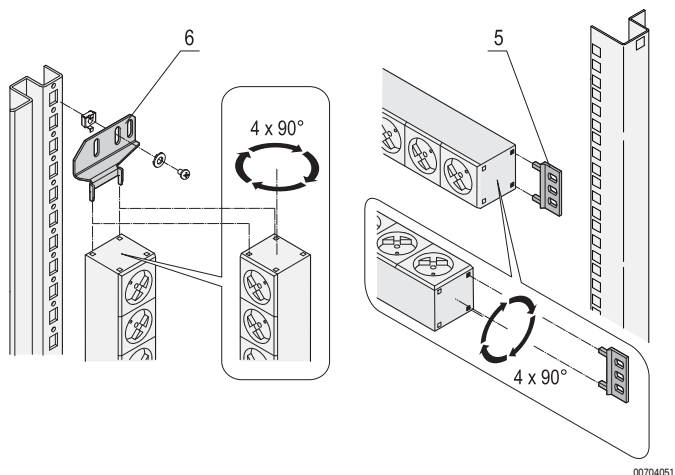
00704051

Cabinet Accessories – Socket strips

SOCKET STRIPS WITH POWER MEASUREMENT READOUT ON LOCAL DISPLAY



- 1: Phase indication (P1) - shows measured phase values
- 2: Frequency (Hz) - current mains frequency
- 3: Power measurement (kW) - actual power being consumed by consumers taking phase shift into consideration (power consumption of connected devices)
- 4: Mains voltage (V) - current voltage of mains to which the measurement unit is currently connected
- 5: Phase angle (°) - phase shift in the mains supply
- 6: Current (A) - current now being drawn by the connected devices
- 7: Kilowatt-hours (kWh) - energy meter to record the energy consumption of the connected equipment



- Socket strips with Schuko or IEC 60320-C13 sockets
- Integrated measurement and display via local display unit
- Mounting height 1 U
- Socket strips can be rotated through all four directions (in 90° increments) during installation
- Horizontal and vertical mounting



DELIVERY COMPRISES

Item	Qty	Description
1	1	Al extrusion, 1 U, anodised, to accept the sockets and display
2		Sockets, PA, for type and quantity see Order information
3	2	End piece, PA, RAL 7035
4	1	Connecting cable, black, 2 m, 05VV-F 3G 1.5 mm ² , with SCHUKO/UTE connector, PVC, encapsulated
5	2	Mounting bracket, PA, RAL 7035
7	1	User manual

ORDER INFORMATION

Height U	Length mm	Measurements	Depth mm	Number of outputs	Part no.
1	19"	438.5	I, V, P, f, cos phi	44	7 x SCHUKO, "German 3-wire", earthed/grounded
1	19"	438.5	I, V, P, f, cos phi	44	8 x IEC C13

Delivery: fitted in cabinet or on frame	Part no./05
Delivery: supplied loose with cabinet or frame	Part no./35

Accessories

Item 6 Mounting bracket for one socket strip for vertical mounting, St, 2 mm, PU 2 pieces	20110-068
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Mounting plate for mounting of two socket strips side by side for vertical mounting, St, 2 mm, height 70 mm, depth 135 mm, PU 2 pieces	23130-010
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Cabinet Accessories – Socket strips

19" POWER DISTRIBUTOR , 3-PHASE



00708033



00708035

Overcurrent protection switch (per phase and output socket)



00708034

Rear: Plug retaining clip and cable fitting



00708041

Mains cable for Wieland® socket strips

- 3-phase distributor for connecting to single-phase consumers or socket strips
- Input 3-phase 400 V_{AC} (32 A or 63 A)
- Output via IEC 60320-C19 sockets
 - 6 × 230 V_{AC} in 32 A/phase version
 - 9 × 230 V_{AC} in 63 A/phase version
- Overcurrent protection for each output



DELIVERY COMPRISES (assembled)

Item	Qty	Description
1	1	19" power distributor, 3 U, St, 1.5 mm, RAL 7021, with cable fitting M32, plastic, white
2	6/9	Socket inserts IEC 60320-C19, with plug retaining clip, quantity see Order information
3	6/9	Overcurrent protection switch, 16 A, quantity see Order information
4	2	Handle, Al, black, incl. assembly kit (supplied loose)

ORDER INFORMATION

Height mm	Width mm	Depth mm	Output	Input	Part no.
131	484	250	6 (2 × 230 V _{AC} per phase)	3 × 32 A (400 V _{AC})	60110-365
131	484	250	9 (3 × 230 V _{AC} per phase)	3 × 63 A (400 V _{AC})	60110-366

Delivery: fitted in cabinet or on frame	Part no./05
Delivery: supplied loose with cabinet or frame	Part no./35

Accessories	
Mains cable, IEC 60320 C20 plug, Wieland® socket to connect 19" power distributor to Wieland® sockets length 1 m, 1 piece	60110-326
Mains cable, IEC 60320 C20 plug, Wieland® socket to connect 19" power distributor to Wieland® sockets length 1 m, 1 piece	60110-327
Mains cable, IEC 60320 C20 plug, Wieland® socket to connect 19" power distributor to Wieland® sockets length 5 m, 1 piece	60110-328

NOTE

- SCHUKO socket strip see page 3.67
- UTE socket strip see page 3.68
- IEC socket strip see page 3.69

Cabinet Accessories – Socket strips

SCHUKO SOCKET STRIP WITH WIELAND® INPUT



- Installation height 1 U
- Input via Wieland® GST 18 plug
- Output via SCHUKO sockets
- Versions with or without overcurrent protection
- Sockets in white, black or red
- Socket strips can be rotated through all four directions (in 90° increments) during installation
- Horizontal or vertical mounting
- In accordance with DIN 57620



DELIVERY COMPRISES

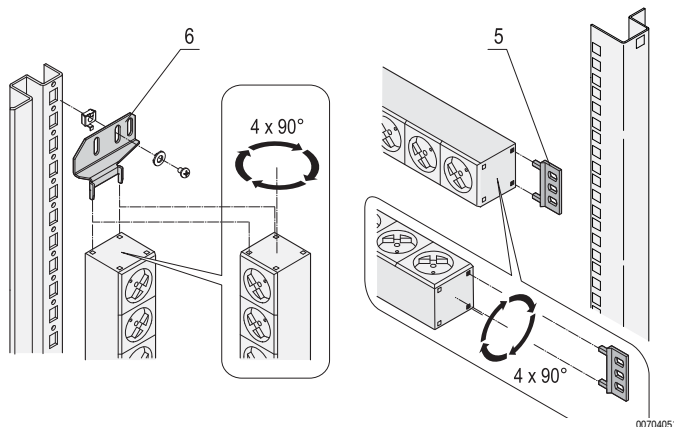
Item	Qty	Description
1	1	Al extrusion, 1 U, anodised, length 438.5 mm, depth 44 mm, height 44.45; to accept the sockets
2	6/8	Sockets (rotated 35°, polyamide), quantity and colour see Order information
3	2	End piece, PA, RAL 7035
4	1	Wieland connecting socket® GST 18
5	2	Mounting bracket, PA, RAL 7035

NOTE

- Please order bracket for vertical mounting separately
- Mains connection cables, see page 3.70
- 19" power distributor for connection of multiple socket strips, see page 3.66



Overcurrent protection switch



Item 6: bracket for vertical mounting

ORDER INFORMATION

Description	Sockets	Length Inch	Length mm	Depth mm	Functional element	Part no.
SCHUKO, white, Wieland®, with over-current protection switch	6	19"	438.5	44	Overcurrent protection	60110-352
SCHUKO, black, Wieland®, with over-current protection switch	6	19"	438.5	44	Overcurrent protection	60110-353
SCHUKO, red, Wieland®, with over-current protection switch	6	19"	438.5	44	Overcurrent protection	60110-354
SCHUKO, white, Wieland®	8	19"	438.5	44	—	60110-343
SCHUKO, black, Wieland®	8	19"	438.5	44	—	60110-344
SCHUKO, red, Wieland®	8	19"	438.5	44	—	60110-345
Delivery: fitted in cabinet or on frame						Part no./05
Delivery: supplied loose with cabinet or frame						Part no./35
Accessories						
Item 6 Mounting bracket for one socket strip for vertical mounting, St, 2 mm, PU 2 pieces						20110-068
Mounting plate for mounting of two socket strips side by side for vertical mounting, St, 2 mm, height 70 mm, depth 135 mm, PU 2 pieces						23130-010

Cabinet Accessories – Socket strips

UTE SOCKET STRIP WITH WIELAND® CONNECTION



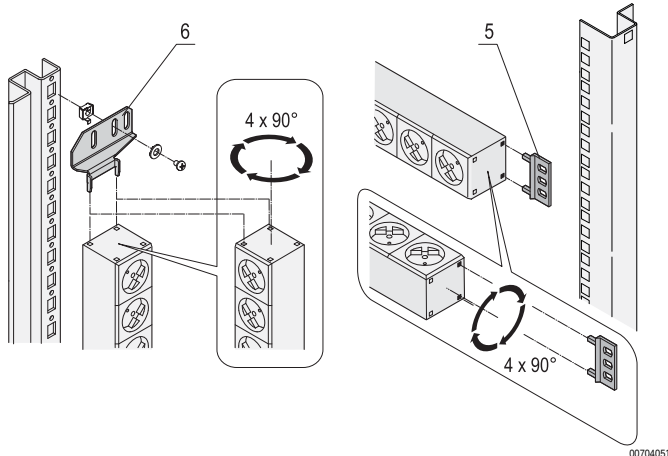
00708045

DTA44116



00708048

Overcurrent protection switch



00704051

Item 6: bracket for vertical mounting

- Installation height 1 U
- Input via Wieland® GST 18 plug
- Output via UTE sockets
- Versions with or without overcurrent protection
- Sockets in white, black or red
- Socket strips can be rotated through all four directions (in 90° increments) during fitting
- Horizontal or vertical mounting
- In accordance with NFC 61-303



DELIVERY COMPRISES

Item	Qty	Description
1	1	Al extrusion, 1 U, anodised, length 438.5 mm, depth 44 mm, height 44.45; to accept the sockets
2	6/8	Socket inserts (rotated 35°, polyamide), quantity and colour see Order information
3	2	End piece, PA, RAL 7035
4	1	Wieland connecting socket® GST 18
5	2	Mounting bracket, PA, RAL 7035

NOTE

- Please order mounting bracket for vertical mounting separately
- Mains connection cables see page 3.70
- 19" power distributor to connect multiple socket strips see page 3.66

ORDER INFORMATION

Description	Sockets	Length Inch	Length mm	Depth mm	Functional element	Part no.
UTE, white, Wieland®, with over-current protection switch	6	19"	438.5	44	Overcurrent protection	60110-355
UTE, black, Wieland®, with over-current protection switch	6	19"	438.5	44	Overcurrent protection	60110-356
UTE, red, Wieland®, with over-current protection switch	6	19"	438.5	44	Overcurrent protection	60110-357
UTE, white, Wieland®	8	19"	438.5	44	—	60110-346
UTE, black, Wieland®	8	19"	438.5	44	—	60110-347
UTE, red, Wieland®	8	19"	438.5	44	—	60110-348
Delivery: fitted in cabinet or on frame						Part no./05
Delivery: supplied loose with cabinet or frame						Part no./35
Accessories						
Item 6 Mounting bracket for one socket strip for vertical mounting, St, 2 mm, PU 2 pieces						20110-068
Mounting plate for mounting of two socket strips side by side for vertical mounting, St, 2 mm, height 70 mm, depth 135 mm, PU 2 pieces						23130-010

Cabinet Accessories – Socket strips

IEC SOCKET STRIP WITH WIELAND® CONNECTION



- Installation height 1 U
- Input via Wieland® GST 18 plug
- Output via IEC 60320 C-13 sockets
- Versions with or without overcurrent protection
- Socket inserts in white, black or red
- Socket strips can be rotated through all four directions (in 90° increments) during fitting
- Horizontal or vertical mounting
- In accordance with IEC 60320



DELIVERY COMPRISES

Item	Qty	Description
1	1	Al extrusion, 1 U, anodised, length 438.5 mm, depth 44 mm, height 44.45; to accept the sockets
2	6/12	Sockets (rotated 35°, polyamide), quantity and colour see Order information
3	2	End piece, PA, RAL 7035
4	1	Wieland connecting socket® GST 18
5	2	Mounting bracket, PA, RAL 7035



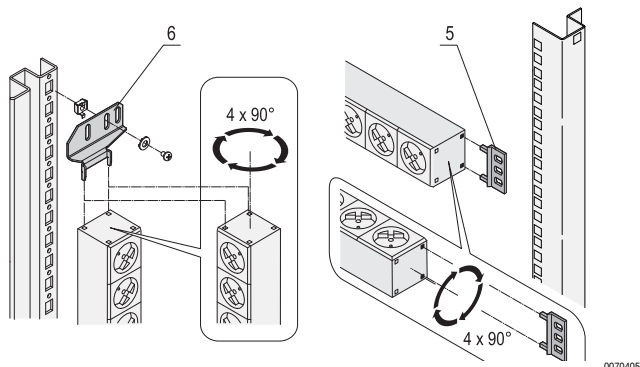
Strain relief provided by locking tabs



Overcurrent protection switch

NOTE

- Please order mounting bracket for vertical mounting separately
- Mains connection cables see page 3.70
- 19" power distributor to connect multiple socket strips see page 3.66



Item 6: bracket for vertical mounting

Description	Sockets	Length Inch	Length mm	Depth mm	Functional element	Part no.
IEC, white, Wieland®, with over-current protection switch	6	19"	438.5	44	Overcurrent protection	60110-349
IEC, black, Wieland®, with over-current protection switch	6	19"	438.5	44	Overcurrent protection	60110-350
IEC, red, Wieland®, with over-current protection switch	6	19"	438.5	44	Overcurrent protection	60110-351
IEC, white, Wieland®	12	19"	438.5	44	—	60110-340
IEC, black, Wieland®	12	19"	438.5	44	—	60110-341
IEC, red, Wieland®	12	19"	438.5	44	—	60110-342

Delivery: fitted in cabinet or on frame

Part no./05

Delivery: supplied loose with cabinet or frame

Part no./35

Accessories

Item 6 Mounting bracket for one socket strip for vertical mounting, St, 2 mm, PU 2 pieces	20110-068
Mounting plate for mounting of two socket strips side by side for vertical mounting, St, 2 mm, height 70 mm, depth 135 mm, PU 2 pieces	23130-010
Locking tab for IEC 60320-C13 connector PU 12 pieces	60110-362
Mains cable, IEC for locking tab IEC 60320-C14 plug, IEC 60320 C13 socket, 0.5 m, 1 piece	60110-360
Mains cable, IEC for locking tab IEC 60320-C14 plug, IEC 60320 C13 socket, 1 m, 1 piece	60110-361

Cabinet Accessories – Socket strips

CONNECTING CABLES FOR WIELAND® SOCKET STRIPS



00708031

- Enables simple connection to current supply (e.g. for socket strips)
- Different connecting plugs
- Different cable lengths available



DELIVERY COMPRISES

Pos.	Menge	Beschreibung
1	1	Connecting cable, 1.5 mm ² , black, input, output and cable lengths see Order information

ORDER INFORMATION

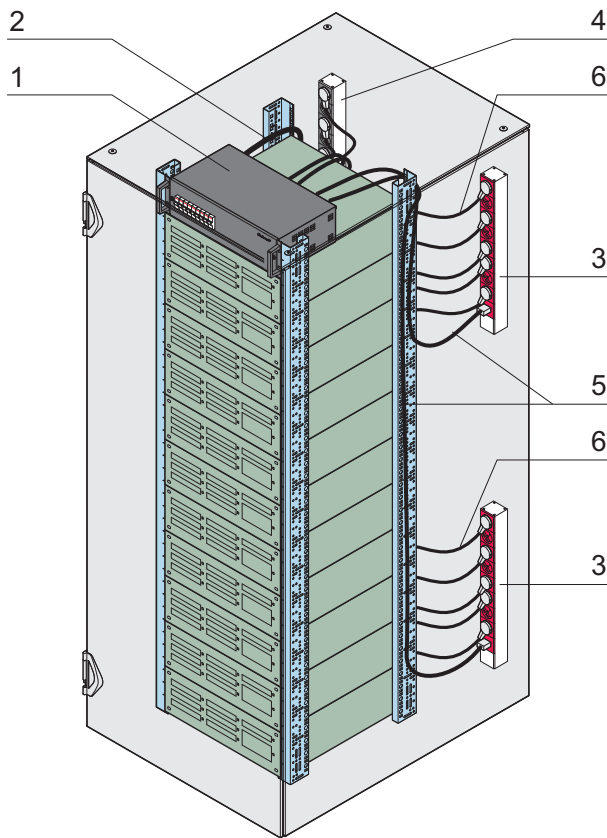
Input	Current A	Output	Length m	Part no.
Open end	16	Wieland® GST 18	1	60110-320
Open end	16	Wieland® GST 18	2.5	60110-321
Open end	16	Wieland® GST 18	5	60110-322
IEC 60309	16	Wieland® GST 18	1	60110-323
IEC 60309	16	Wieland® GST 18	2.5	60110-324
IEC 60309	16	Wieland® GST 18	5	60110-325
IEC 60320 C20	16	Wieland® GST 18	1	60110-326
IEC 60320 C20	16	Wieland® GST 18	2.5	60110-327
IEC 60320 C20	16	Wieland® GST 18	5	60110-328
SCHUKO (German 3-wire earthed) / UTE	16	Wieland® GST 18	1	60110-329
SCHUKO (German 3-wire earthed) / UTE	16	Wieland® GST 18	2.5	60110-330
BS plug	13	Wieland® GST 18	1	60110-331
BS plug	13	Wieland® GST 18	2.5	60110-332

NOTE

- Other inputs, outputs and cable lengths available on request

Cabinet Accessories – Socket strips

THREE PHASE POWER DISTRIBUTION WITH 19" POWER DISTRIBUTOR AND SOCKET STRIPS WITH WIELAND® CONNECTION



- Modular construction
- Connection of 19" power distributor (3-phase) in cabinet requires an electrician
- Simple cabling of socket strips with plug-and-play functionality

CABLING EXAMPLE

Item	Description
1	19" power distributor
2	3-phase current connecting cable
3	Socket strips with Wieland® connection, red
4	Socket strips with Wieland® connection, black
5	Mains cable, from 19" power distributor to socket strip
6	Mains cable, from socket strip to consumer (e.g. server)

01008070

Cabinet Accessories – Power Control socket

OVERVIEW

MAIN KATALOG

Cabinets 1

Wall mounted cases 2

Accessories for cabinets and wall mounted cases .. 3

Climate control .. 4

Electronics cases 5

Subracks/ 19" chassis 6

Front panels, plug-in units 7

Systems 8

Power supply units 9

Backplanes 10

Connectors, front panel component system 11

Appendix 12

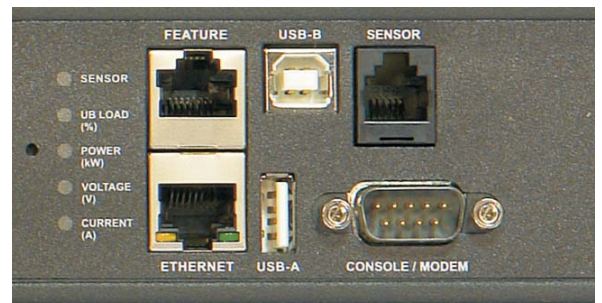


00711001



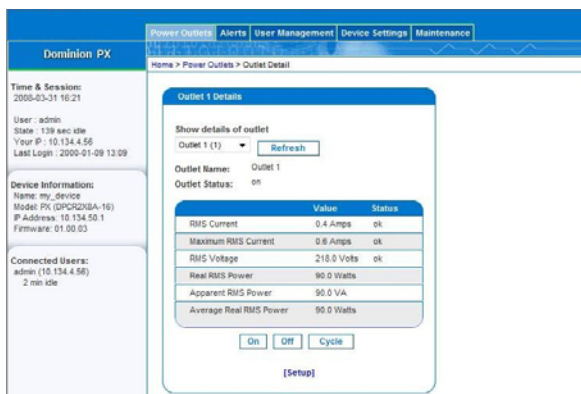
Display

00715001



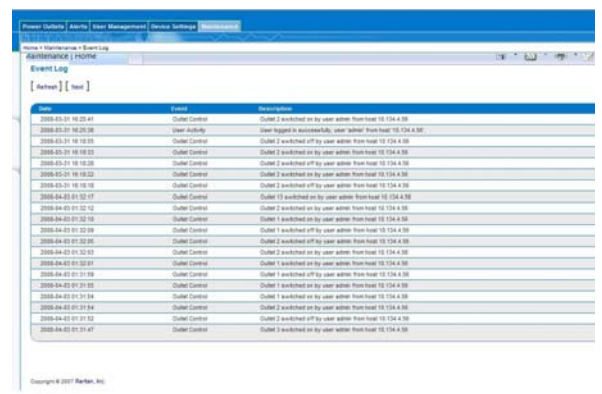
Interfaces

00711009



Telemonitoring and parametrisation with web-based user interface

00708013



Event logging

00708014

Cabinet Accessories – Power Control socket

OVERVIEW

POWER MANAGEMENT

- **Monitoring of power, current and voltage of the entire socket strip or for each separate socket insert**
- **Telemonitoring and local indication via display**
- **Remote control of individual inserts (switch on/off)**
- **Programmable sequential switch-on/off of individual inserts**
- **Individual user access authorisations for each socket insert**



00715002

MULTIMETER

- Measurement of current, voltage, apparent power, true power and power factor per phase or outlet
- Data sent to network or shown on local display



00715006

TELEMONITORED SOCKET STRIPS

- Measurement of current, voltage, apparent power, true power and power factor per phase or outlet
- Data sent to network or shown on local display
- Measurement at phase level and switch function on request

TELEMONITORED AND REMOTE-CONTROLLED SOCKET STRIPS

- Measurement of current, voltage, apparent power, true power and energy consumption at outlet level
- Data sent to network or shown on local display
- Remote-controlled switch-on/off of individual outputs



00715007

ENVIRONMENTAL SENSORS

- Sensors (temperature, humidity, differential pressure, airflow...) and hub for connecting multiple sensors, see from page 3.49

SERVICEPLUS

e.g. individual configuration (dimensions, socket inserts, mains supply)

Overview 3.72

Multimeter 3.75

Telemonitored (per phase) socket strips 3.76

Remote-controlled socket strips, telemonitored on each phase 3.77

Remote-controlled socket strips, telemonitored on each outlet 3.77

Power management software 3.79

Cabinet Accessories–Power Control socket strips

RACKPOWER PDU 230 VAC SINGLE PHASE (RACK- OR PANEL MOUNT), FOR CONFIGURATION



RackPowerPDUs.os

RackPower Intelligent Power Distribution Units are configured to order product that addresses controlling power on Cabinets as well as Open Frame Racks and Wall-Mount enclosures. Design your power solution using a variety of configuration options. The units are available in horizontal 19-in. rack or vertical mounting capabilities and a broad range of features.

- Single or multi-phase
- Input voltages: North American 110 / 120 V_{AC} or 208 V_{AC}, European and Asia 230 V_{AC} or 400 V_{AC}
- Global plug and receptacles NEMA and IEC rated
- 5 Configuration types: RP3000, RP2000, RP1500, RP1000, RP100
- External communications and monitoring ? protected and secure LAN connections
- Local and remote power monitoring of single outlets and circuits showing data for current (AMP), voltage (Volt), power (kW), energy consumption (kWh) and power factor of entire PDU with a metering accuracy to within +/- 1%
- Field Replaceable "Hot swappable" Smart Monitor (RP-Meter) and DC Module
- Remote power on/off switch
- 19" Rack Mounting (1 and 2 U offering)
- Versatile vertical / rack and cabinet mounting
- Surge protection
- Dual Power feed entry for single phase RackPower PDUs
- Temperature sensor or temperature & humidity sensor
- Power cord whip various lengths, color and plugs
- To configure your PDU, go to http://schroff.biz/PDU_Webapp/

DELIVERY INCLUDES

Item	Qty	Description
1	1	Steel housing, standard is black, other finishes available
2	1	Various cord length and plug styles available; also available in LSZH (low smoke zero halogen)
3	1	Mounting hardware

ORDER INFORMATION

Description	Description	Part no.
PDU 230 V _{AC} single phase	Rack mount	NP2RX
PDU 230 V _{AC} single phase	Panel mount	NP2PX
PDU 400 V _{AC} multi-phase	Rack mount	NP3RX
PDU 400 V _{AC} multi-phase	Panel mount	NP3PX

Accessories

IP Gateway for PDU (vertical mounting) 1 piece	NPDV
IP Gateway for PDU (horizontal / 19" mounting) 1 piece	NPDH
Temperature sensor for PDU 1 piece	NPS1
Combination sensor, temperature and humidity sensor for PDU 1 piece	NPS2

NOTE

- Industrie Standards:
UL Listed File E309439 UL 60950-1 Information Technology Equipment
cUL Listed File E309439 CSA-C22.2 No. 60950-1 Information Technology Equipment
FCC, CE, RoHs, REACH



IP Gateway (Vertical and horizontal / 19" mounting)

NPDV_NPDH_IPdongles.os



Temperature sensor and combination sensor (temperature and humidity)

NPS1_NPS2_Sensors.os

Cabinet Accessories–Power Control socket strips

TELEMONITORED MULTIMETER



Front view

00715002



Rear view

00715003

- Inline meter, 1 U, 19" case with 19" mounting brackets
- Measures current, voltage and power (apparent and true power) per phase and total
- Local display of current and voltage per phase and sum values
- Ethernet interface and web interface
- 4 consumers or socket strips can be connected; input via IEC 60320 C20 plug; outlet via IEC 60320 C19 sockets
- Mains input via C13 socket conforming to IEC 60320
- To record temperature, humidity etc, environmental sensors can be connected



DELIVERY INCLUDES

Item	Qty	Description
1	1	Case, black, width 440.0 mm, display and control keys, interfaces on front and rear
2	1	Mains cable, C13 socket to IEC 60320, cable length 1.5 m
3	2	19" mounting bracket, length 305 mm, St, 1 mm, black
4	1	Cable support rail

ORDER INFORMATION

Height U	Width mm	Depth mm	Input	Number of outputs	Output current A	Part no.
1	440.0	183	4 x IEC C20	4 x IEC C19	16	60110-446
Accessories						
Temperature sensor Cable length 3 m, 1 piece						60110-313
Temperature/ humidity combi sensor Cable length 3 m, 1 piece						60110-314
Two temperature/ humidity combi sensors Cable length 2 x 3 m, 2 pieces						60110-315
Dual potential-free contact sensor Cable length x m, 1 piece						DPX-CC2-TR
Two temperature sensors and one temperature/ humidity combi sensor Cable length 3 x 3 m, 1 piece						DPX-T3H1
Differential pressure and temperature sensor Cable length 3 m, 1 piece						DPX-T1DP1
Airflow sensor Cable length 3 m, 1 piece						DPX-AF1
Hub to accept 4 sensors connecting cable 1 m, assembly kit, 1 piece						60110-316

NOTE

- 3-phase version on request
- For power management software see page 3.79
- Suitable socket strips see Socket Strips chapter, page 3.58
- Sensors (temperature, humidity, differential pressure, airflow...) and hub for connecting multiple sensors, see from page 3.48
- 19" assembly kit, see page 3.17

Cabinet Accessories–Power Control socket strips

TELEMONITORED (PER PHASE) SOCKET STRIPS

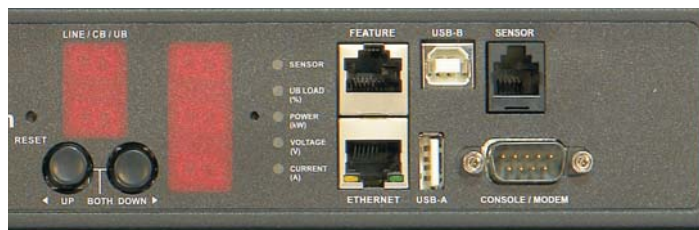


- Measurement of current, voltage and power (apparent and true power) per phase and sum value
- Local display of current and voltage per phase and sum value
- Ethernet interface and web interface
- Outlets to IEC 60320 with C13 sockets (230 V_{AC}, 10 A) and C19 sockets (230 V_{AC}, 16 A)
- Mains supply 230 V_{AC}/400 V_{AC}, 16 A or 32 A plug, cable length 3 m
- With magnetic circuit breakers to UL 489 (for 32 A version)
- To record temperature, humidity etc, environmental sensors can be connected



DELIVERY INCLUDES

Item	Qty	Description
1	1	Socket strip, black, with interfaces, socket inserts and display, mains cable length 3 m
2	1	Fixing materials kit
3	1	User manual



Display, interface

00711009

ORDER INFORMATION

Length mm	Inch	Height mm	Depth mm	Input	Number of outputs	Part no.
440	19"	44	133.0	230 V _{AC} , 16 A, 1-phase, IEC 60320 C20	8 x IEC C13	60110-306
1298	–	52	43.0	230 V _{AC} , 16 A, 1-phase, IEC 60320 C20	24 x IEC C13	60110-307
1539	–	52	53.0	230 V _{AC} , 32 A, 1-phase, IEC 60309	20 x IEC C13, 4 x IEC C19	60110-308
1780	–	55	52	400 V _{AC} , 32 A, 3-phase, IEC 60309	24 x IEC C13, 12 x IEC C19	60110-455

Accessories

Temperature sensor Cable length 3 m, 1 piece	60110-313
Temperature/ humidity combi sensor Cable length 3 m, 1 piece	60110-314
Two temperature/ humidity combi sensors Cable length 2 x 3 m, 2 pieces	60110-315
Dual potential-free contact sensor Cable length x m, 1 piece	DPX-CC2-TR
Two temperature sensors and one temperature/ humidity combi sensor Cable length 3 x 3 m, 1 piece	DPX-T3H1
Differential pressure and temperature sensor Cable length 3 m, 1 piece	DPX-T1DP1
Airflow sensor Cable length 3 m, 1 piece	DPX-AF1
Hub to accept 4 sensors connecting cable 1 m, assembly kit, 1 piece	60110-316

NOTE

- Versions with additional switching function on request
- For power management software see page 3.79
- Sensors (temperature, humidity, differential pressure, airflow...) and hub for connecting multiple sensors see from page 3.48

Cabinet Accessories–Power Control socket strips

REMOTE-CONTROLLED SOCKET STRIPS, TELEMONITORED ON EACH PHASE

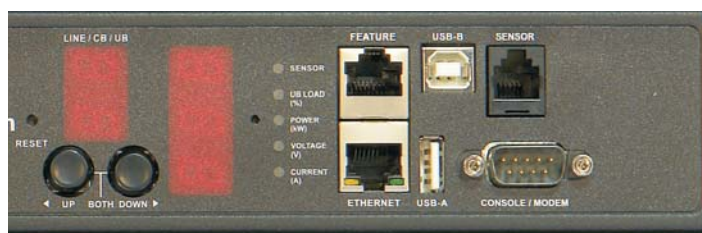


- Measures current, voltage and power (apparent and true power) per phase and total
- Local display of current and voltage per phase and sum values
- Remote-controlled on/off switching of connected consumers
- Ethernet interface and web interface
- Outlets to IEC 60320 with C13 sockets (230 V_{AC}, 10 A) and C19 sockets (230 V_{AC}, 16 A)
- Mains supply 230 V_{AC}/ 400 V_{AC}, 16 A or 32 A plug, cable length 3 m
- With magnetic circuit breakers to UL 489 (for 32 A version)
- To record temperature, humidity etc, environmental sensors can be connected



DELIVERY INCLUDES

Item	Qty	Description
1	1	Socket strip, black, with interfaces, socket inserts and display, mains cable length 3 m
2	1	Fixing materials kit
3	1	User manual



Display, interface

ORDER INFORMATION

Length mm	Inch	Height mm	Depth mm	Input	Number of outputs	Part no.
440	19"	44	133	230 V _{AC} , 16 A, 1-phase, IEC 60320 C20	8 x IEC C13	60110-447
1297	–	52	65	230 V _{AC} , 16 A, 1-phase, IEC 60320 C20	24 x IEC C13	60110-449
1539	–	52	65	230 V _{AC} , 32 A, 1-phase, IEC 60309	20 x IEC C13, 4 x IEC C19	60110-448
1780	–	52	65	400 V _{AC} , 32 A, 3-phase, IEC 60309	24 x IEC C13, 12 x IEC C19	60110-450

Accessories

Temperature sensor Cable length 3 m, 1 piece	60110-313
Temperature/ humidity combi sensor Cable length 3 m, 1 piece	60110-314
Two temperature/ humidity combi sensors Cable length 2 x 3 m, 2 pieces	60110-315
Dual potential-free contact sensor Cable length x m, 1 piece	DPX-CC2-TR
Two temperature sensors and one temperature/ humidity combi sensor Cable length 3 x 3 m, 1 piece	DPX-T3H1
Differential pressure and temperature sensor Cable length 3 m, 1 piece	DPX-T1DP1
Airflow sensor Cable length 3 m, 1 piece	DPX-AF1
Hub to accept 4 sensors connecting cable 1 m, assembly kit, 1 piece	60110-316

NOTE

- For power management software see page 3.79
- Sensors (temperature, humidity, differential pressure, airflow...) and hub for connecting multiple sensors see from page 3.48

Cabinet Accessories–Power Control socket strips

REMOTE-CONTROLLED SOCKET STRIPS, TELEMONITORED ON EACH OUTLET



00715009

- Remote-controlled on/off switching of connected consumers
- Measures current, voltage and power (apparent and true power) per outlet, phase and total
- Local display of current and voltage per outlet, phase and total
- Ethernet interface and web interface
- Outlets to IEC 60320 with C13 sockets (230 V_{AC}, 10 A) and C19 sockets (230 V_{AC}, 16 A)
- Mains input 230 V_{AC}, 32 A plug to IEC 60309, cable length 3 m
- With magnetic circuit breakers to UL 489
- To record temperature, humidity etc, environmental sensors can be connected



DELIVERY INCLUDES

Item	Qty	Description
1	1	Socket strip, black, with interfaces, socket inserts and display, mains cable length 3 m
2	1	Fixing materials kit
3	1	User manual

ORDER INFORMATION

Length mm	Inch	Height mm	Depth mm	Input	Number of outputs	Part no.
440	19"	44	183	230 V _{AC} , 16 A, 1	8 x IEC C13	60110-442
1539	–	52	65	230 V _{AC} 32 A, 1-phase, IEC 60309	20 x IEC C13	60110-443
1539	–	52	65	230 V _{AC} , 32 A, 1-phase, IEC 60309	20 x IEC C13, 4 x IEC C19	60110-444
1539	–	52	65	400 V _{AC} , 32 A, 3-phase, IEC 60309	21 x IEC C13, 3 x IEC C19	60110-445

Accessories

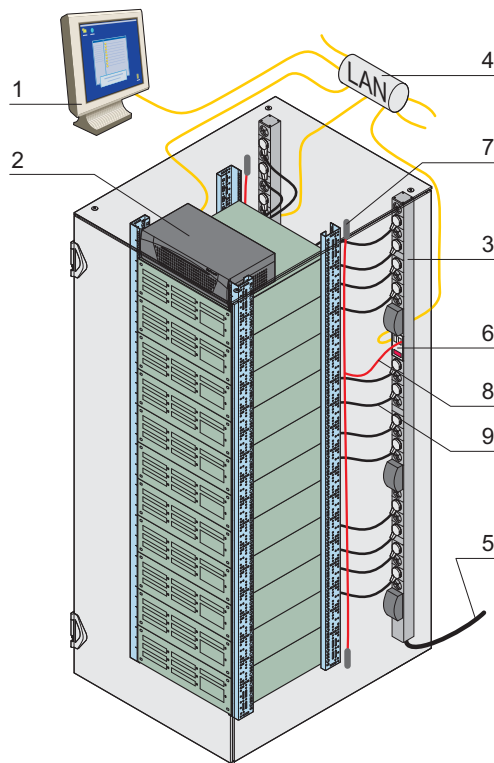
Temperature sensor Cable length 3 m, 1 piece	60110-313
Temperature/ humidity combi sensor Cable length 3 m, 1 piece	60110-314
Two temperature/ humidity combi sensors Cable length 2 x 3 m, 2 pieces	60110-315
Dual potential-free contact sensor Cable length x m, 1 piece	DPX-CC2-TR
Two temperature sensors and one temperature/ humidity combi sensor Cable length 3 x 3 m, 1 piece	DPX-T3H1
Differential pressure and temperature sensor Cable length 3 m, 1 piece	DPX-T1DP1
Airflow sensor Cable length 3 m, 1 piece	DPX-AF1
Hub to accept 4 sensors connecting cable 1 m, assembly kit, 1 piece	60110-316

NOTE

- Differential current measurement available on request
- For power management software see page 3.79
- Sensors (temperature, humidity, differential pressure, airflow...) and hub for connecting multiple sensors see from page 3.48

Cabinet Accessories–Power Control socket strips

POWER MANAGEMENT SOFTWARE



01009050

Cabling example

Item	Description
1	Real-time monitoring of web graphical user interface (GUI)
2	Existing customer server or an optionally available hardware system on which the software is installed
3	Telemonitored and remote-controlled socket strip, available with IEC C13 and C19 socket inserts
4	Linking of items 1, 2 and 3 to LAN
5	CEE power connection cable available with 230 V _{AC} (16 A or 32 A) or 400 V _{AC} (16 A and 32 A) supply
6	Local display
7	Telemonitored environmental sensors
8	Connection of sensors to socket strip
9	Mains cable, from socket strip to consumer (e.g. server)

Energy management with Power IQ®

- Centralised administration with mass configuration, firmware administration and designation of outputs
- Create energy, cost and active current reports at levels from individual plugs or IT devices through to the entire data centre
- Export graphical data
- Aggregate data from different manufacturers

ORDER INFORMATION

Description	Part no.
Power management software	on request

North America

Warwick, RI, USA

Tel +1.800.525.4682

San Diego, CA, USA

Tel +1.800.854.7086

Europe, Middle East & India

Straubenhardt, Germany

Tel +49 7082 794 0

Betschdorf, France

Tel +33 3 88 90 64 90

Warsaw, Poland

Tel +48 22 209 98 35

Hemel Hempstead,

Great Britain

Tel +44 1442 24 04 71

Lainate, Italy

Tel +39 02 932 714 1

Dubai, United Arab Emirates

Tel +971 4 37 81 700

Bangalore, India

Tel +91 80 67152000

Istanbul, Turkey

Tel +90 216 250 7374

Asia Pacific

Shanghai, China

Tel +86 21 2412 6943

Singapore

Tel +65 6768 5800

Shin-Yokohama, Japan

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