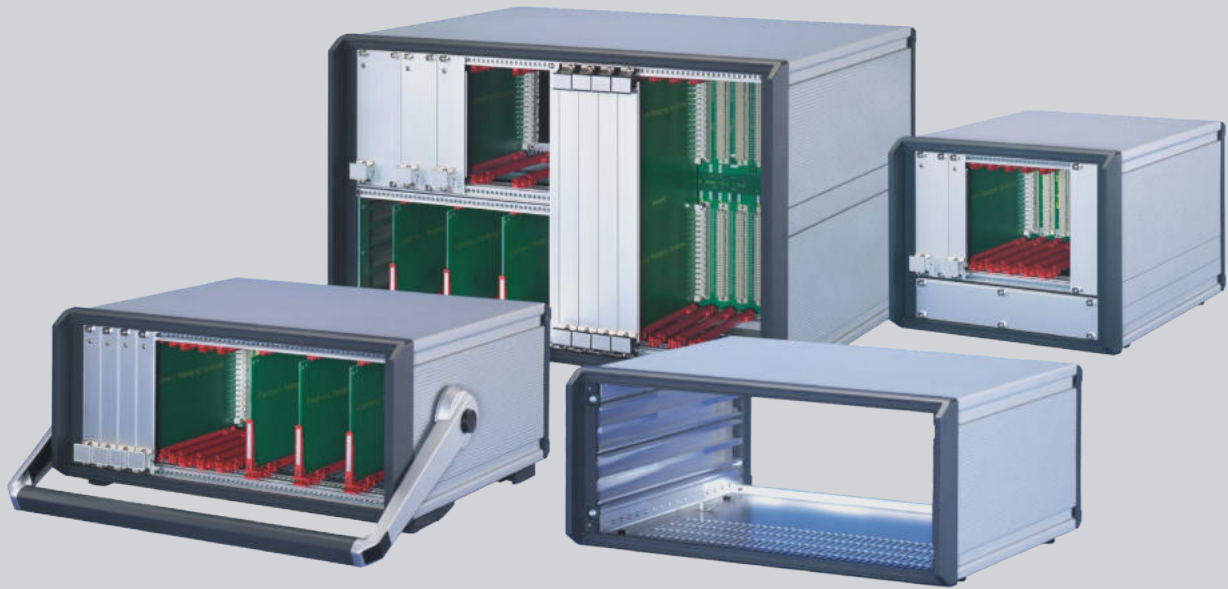




CONNECT AND PROTECT

PropacPRO

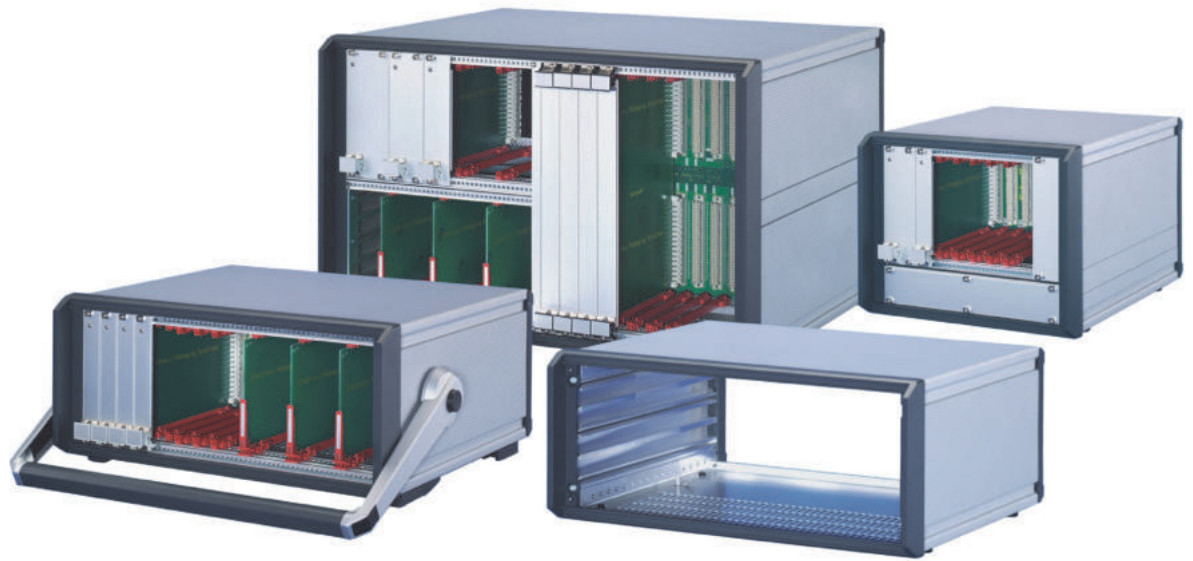
04/2023

Desk-top cases – PropacPRO

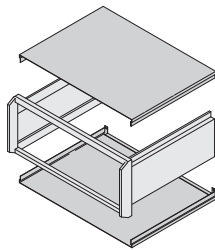
OVERVIEW

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

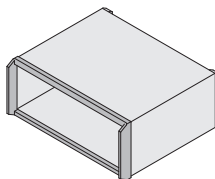


05809001



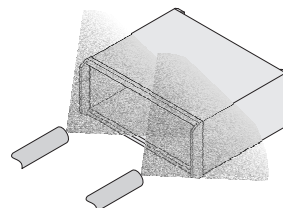
05806052

Easy access provided by removable cladding parts



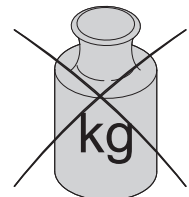
05806050

Extremely robust one-piece die-cast frame



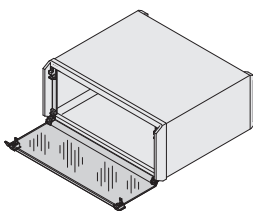
05806055

Non-sensitive, scratch-resistant finish through powder coating



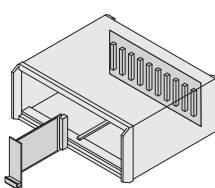
05806056

Low weight



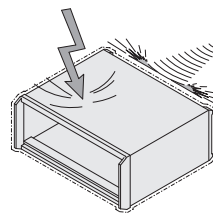
05806054

Wide accessory programme with acrylic glass front hoods, carrying handles, ...



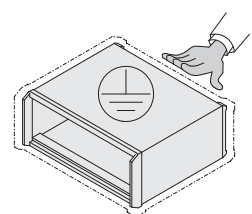
05806053

Assembly possibility for euroboards and backplanes



05806051

EMC version



noa44075

VDE-compliant GND/earthing

STANDARDS

- Internal dimensions in accordance with IEC 60297-3-101
- Ingress protection IP 20 in accordance with IEC 60529
- EMC test in accordance with VG 95373 part 15

- Protective GND/earth connections in accordance with:
DIN EN 50178 / VDE 0160
DIN EN 62368-1 / VDE 0805
DIN EN 61010-1 / VDE 0411 part 1
DIN EN 61010-1A2 / VDE 0411 part 1/A1

Desk-top cases – PropacPRO

OVERVIEW

ALUMINIUM CASE FOR 19" COMPONENTS TO IEC 60297-3-100 OR INDIVIDUAL ELECTRONICS ASSEMBLIES

- Front frame and side panels in aluminium
- Extensive accessories, matched to portable applications
- Basic level shielding from basic versions up, extended EMC shielding retrofittable
- Design alternative to compacPRO

Overview 5.44

propacPRO
 Complete cases 3, 6 U, unshielded/shielded 5.46
 Cases 2, 3 U 5.50
 Cases 4, 6 U 5.51
 Cases for tip-up carrying handle 3, 4 U 5.52
 Dimensions 5.53
 EMC shielding 5.55

Accessories
 Front panels 5.54
 Rear panels 5.55
 Design elements 5.58
 Lateral covers 5.59
 Handles 5.60
 Air filters 5.61
 Hoods 5.62
 Mounting plates 5.64
 GND/earthing kit 5.65
 Cable holder 5.65
 Mounting position horizontal/central rails 5.66
 Horizontal rails 5.67
 Threaded inserts 5.68
 Z-rails, perforated rails 5.69
 Combined mounting 5.70
 Horizontal board assembly 5.71
 Tip-up feet 5.72
 Guide rails and ESD clips 5.73
 Divider plates 5.75
 Air flow barrier 5.75

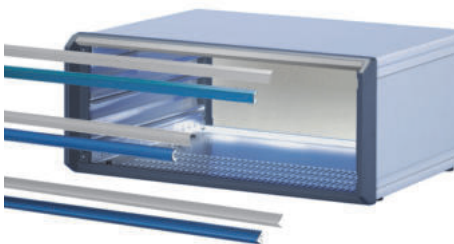
DESKTOP CASES

- **Complete case (pre-assembled)**
 - Prepared for 19" components to IEC 60297 for installation of euro-boards
 - Basic level shielding from basic versions up, extended EMC shielding retrofittable
 - Height 3 U, 6 U
- **Cases**
 - Pre-assembled cases as basis for individual components or 19" components (IEC 60297)
 - Basic level shielding from basic versions up, extended EMC shielding retrofittable
 - Height: 2 U, 3 U, 4 U, 6 U
 - 3 U and 4 U cases prepared for tip-up carrying handle



05809003 05806003

ACCESSORIES



05809002

SERVICEPLUS

e.g. modifications:

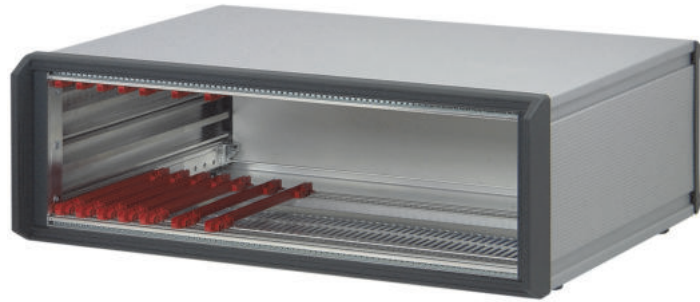
Special colours, special depths, cut-outs in top cover, base plate or side panels. Cut-outs on the front frame to allow the installation of horizontal rails with long lip (IEEE applications e.g. for CompactPCI, CompactPCI Serial, PXI or VME64x)

e.g. assembly service: from 1 piece

30407004

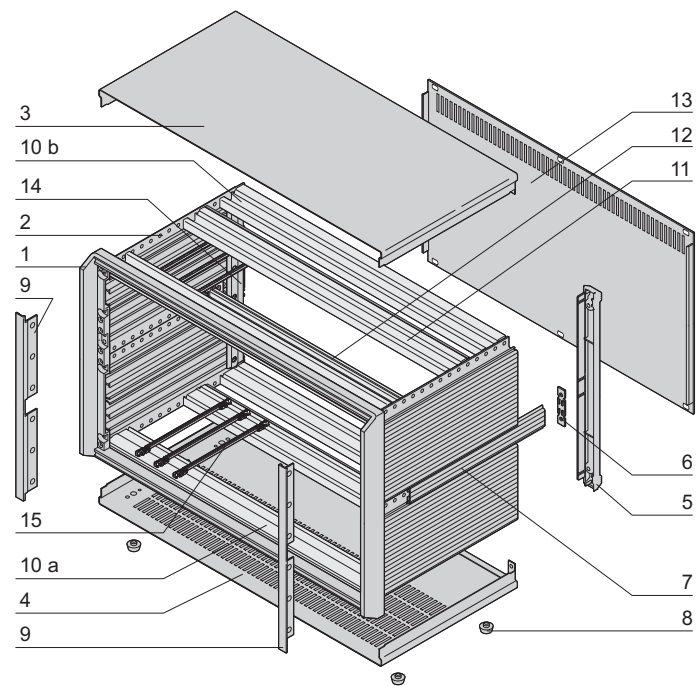
Desk-top enclosure – PropacPRO

COMPLETE CASE, EMC SHIELDED



3 U

05809004



Maximum mounting depth = D - 45
(Distance: front panel - rear panel)

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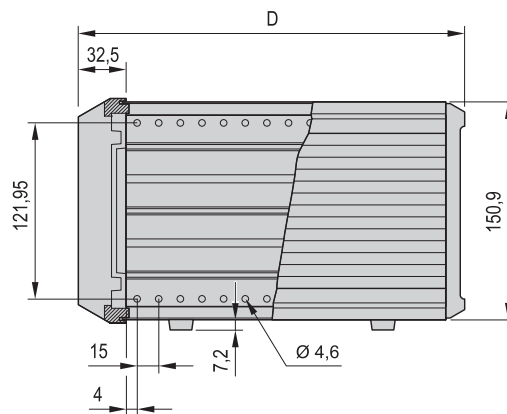
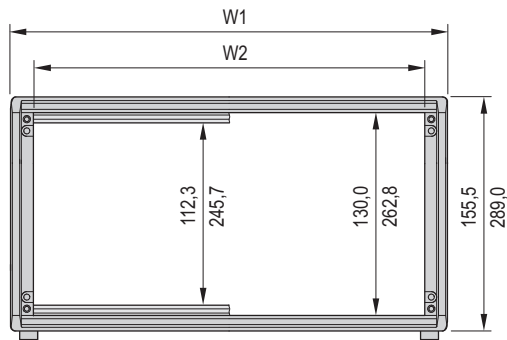
- Desk-top case with pre-configured components, in accordance with IEC 60297-3-101; prepared for 19" components such as plug-in units and eu-boards
- Ventilation slots in base plate
- Rear panel with vent slots

DELIVERY COMPRISES (Items 1-7, 9 and 10 fitted)

Item	Qty		Description
	3 U	6 U	
1	1	1	Frame, Al die-cast, powder-coated, RAL 7016
2	2	4	Side panel, Al extrusion, powder-coated, RAL 9006, with EMC side panel gasketing
3	1	1	Cover plate, Al, 1 mm, internal surface conductive, visible surface powder-coated, RAL 9006, with GND/earthing tag
4	1	1	Base plate, Al, 1 mm, internal surface conductive, visible surface powder-coated, RAL 9006, with GND/earthing tag, base plate with 4 rows of ventilation slots
5	2	2	End piece for rear, ABS, RAL 7016, UL 94 V-0; can be used as a foot when case is used in vertical position
6	-	2	Adaptor bracket (only at 6 U)
7	-	2	Cover trim for side panel, Al extrusion, powder-coated, RAL 9006
8	4	4	Case foot with anti-slip protection, PC, black, UL 94 V-0
9	2	2	Lateral trim, Al extrusion, visible surface painted, RAL 7016 with EMC sealing (textile)
10a	2	2	Horizontal rail, Al extrusion, with threaded insert, St, M2.5; perforated strip, Al, 1 mm, EMC contact strip between front panel - horizontal rail - cover plate
10b	2	2	Horizontal rail, Al extrusion, with threaded insert, St, M2.5; EMC contact strip between rear panel - horizontal rail - cover plate
11	2	2	Centre horizontal rail top/bottom, Al extrusion, with threaded insert, St, M2.5 and insulation strip, PBT, UL 94 V-0 (for indirect backplane mounting); enclosed loose
12	-	1	Centre horizontal rail, Al extrusion, anodised, conductive surfaces, with two threaded inserts, St, M2.5 and two insulation strips, PC, UL 94 V-0
13	1	1	Rear panel with perforation, Al, 2.5 mm, anodised, with EMC sealing (textile) affixed
14	2	2	EMC support profile rear, Al extrusion, EMC sealing (textile) affixed
15	10/ 20	10/ 20	Guide rail for 160 mm board length, PC, UL 94 V-0, 28/ 42 HP 10 pieces, 63/84 HP 20 pieces
16	1	1	GND/earthing kit
17	1	1	Assembly kit

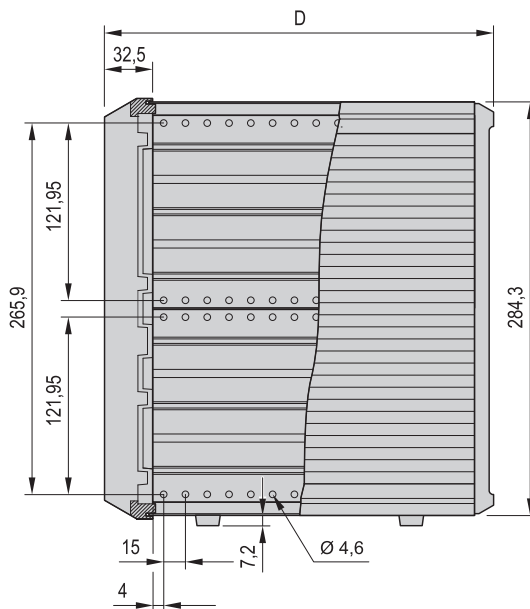
Desk-top enclosure – PropacPRO

COMPLETE CASES, EMC SHIELDED



3 U

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6 U

05806062

ORDER INFORMATION

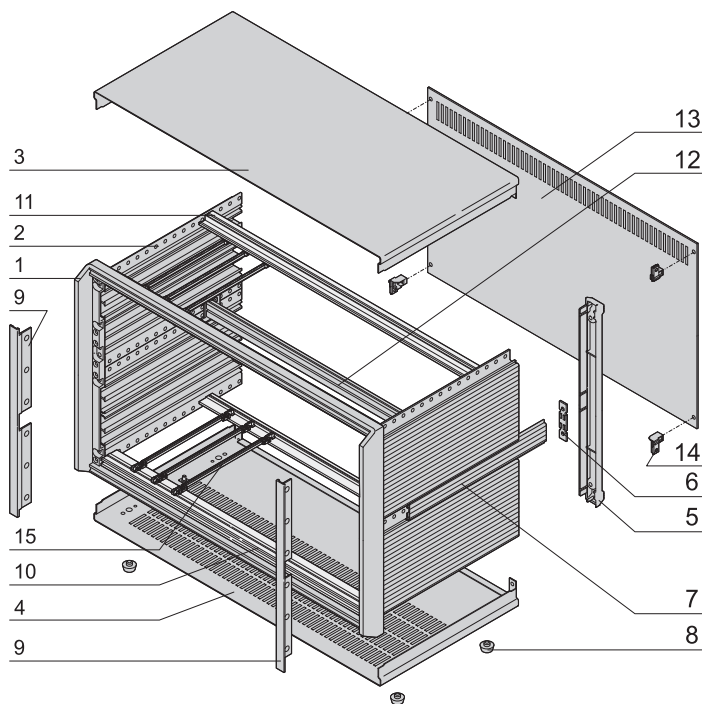
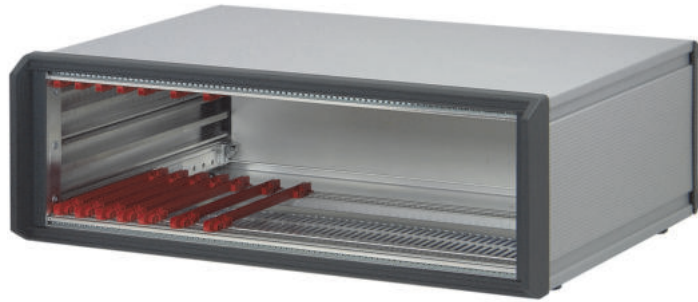
Usable width		Width W1	Depth D	Height	Part no.
W2	W2	W1	D		
HP	mm	mm	mm	U	
28	147.3	185.9	266	3	24576-101
28	147.3	185.9	326	3	24576-102
42	218.4	257	266	3	24576-103
42	218.4	257	326	3	24576-104
42	218.4	257	386	3	24576-105
63	325.1	363.7	266	3	24576-106
63	325.1	363.7	326	3	24576-107
63	325.1	363.7	386	3	24576-108
84	431.8	470.3	266	3	24576-109
84	431.8	470.3	326	3	24576-110
84	431.8	470.3	386	3	24576-111
84	431.8	470.3	446	3	24576-112
84	431.8	470.3	506	3	24576-113
84	431.8	470.3	326	6	24576-121
84	431.8	470.3	446	6	24576-122

NOTE

- Dimension drawings of side panel see from page 5.53

Desk-top enclosure – PropacPRO

COMPLETE CASES, UNSHIELDED



Maximum mounting depth = D - 45
(Distance: front panel - rear panel)

05806105

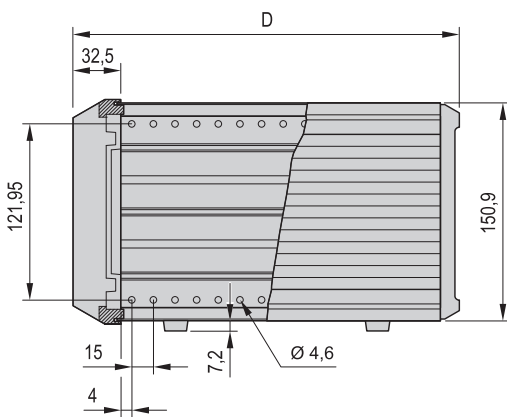
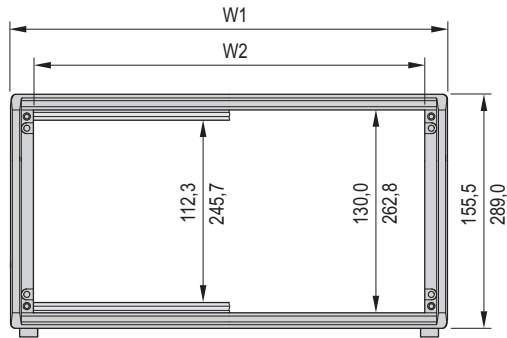
- Desk-top case with pre-configured components, in accordance with IEC 60297-3-101; prepared for 19" components such as plug-in units and eu-boards
- Ventilation slots in base plate
- Rear panel perforated

DELIVERY COMPRISES (Items 1-7, 9 and 10 fitted)

Item	Qty		Description
	3 U	6 U	
1	1	1	Frame, Al die-cast, powder-coated, RAL 7016
2	2	4	Side panel, Al extrusion, powder-coated, RAL 9006
3	1	1	Cover plate, Al, 1 mm, internal surface conductive, visible surface powder-coated, RAL 9006, with GND/earthing tag
4	1	1	Base plate, Al, 1 mm, internal surface conductive, visible surface powder-coated, RAL 9006, with GND/earthing tag, base plate with 4 rows of ventilation slots
5	2	2	End piece for rear, ABS, RAL 7016, UL 94 V-0; can be used as a foot for use in vertical position
6	-	2	Adaptor bracket (only at 6 U)
7	-	2	Cover trim for side panel, Al extrusion, powder-coated, RAL 9006
8	4	4	Case foot with anti-slip protection, PC, black, UL 94 V-0
9	2	2	Lateral trim, Al extrusion, visible surface painted, RAL 7016 with EMC sealing (textile)
10	2	2	Horizontal rail, Al extrusion, with threaded insert, St, M2.5
11	2	2	Rear horizontal rail, Al extrusion, with threaded insert, St, M2.5 and insulation strips, PBT, UL 94 V-0 (for indirect backplane mounting)
12	-	1	Centre horizontal rail, Al extrusion, anodised, conductive surfaces, with two threaded inserts, St, M2.5 and two insulation strips, PC, UL 94 V-0
13	1	1	Rear panel with perforation, Al, anodised, 2 mm at 28, 42 and 63 HP, 2.5 mm at 84 HP
14	4	4	Support member for rear panel, Zn die-cast
15	10/20	10/20	Guide rail for 160 mm board length, PC, UL 94 V-0, 28/42 HP 10 pieces, 63/84 HP 20 pieces
16	1	1	GND/earthing kit
17	1	1	Assembly kit

Desk-top enclosure – PropacPRO

COMPLETE CASES, UNSHIELDED



05809051

ORDER INFORMATION

Usable width		Width W1	Depth D	Height	Part no.
W2	W2				
HP	mm	mm	mm	U	
28	147.3	185.9	266	3	24576-001
28	147.3	185.9	326	3	24576-002
42	218.4	257	266	3	24576-003
42	218.4	257	326	3	24576-004
42	218.4	257	386	3	24576-005
63	325.1	363.7	266	3	24576-006
63	325.1	363.7	326	3	24576-007
63	325.1	363.7	386	3	24576-008
84	431.8	470.3	266	3	24576-009
84	431.8	470.3	326	3	24576-010
84	431.8	470.3	386	3	24576-011
84	431.8	470.3	446	3	24576-012
84	431.8	470.3	506	3	24576-013
84	431.8	470.3	326	6	24576-021
84	431.8	470.3	446	6	24576-022

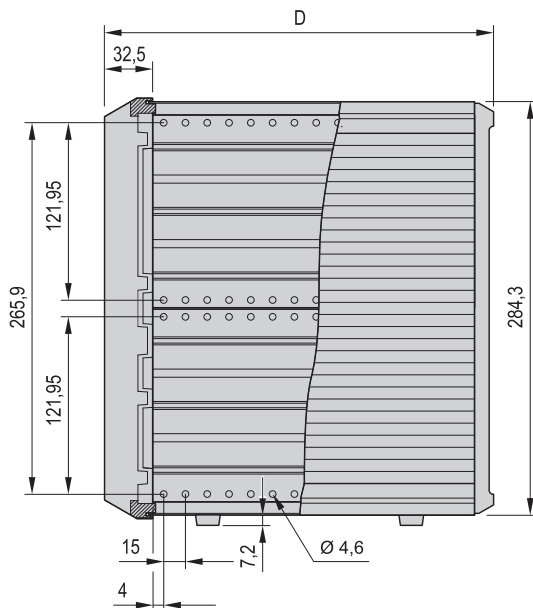
Maximum mounting depth = D - 45
(Distance: front panel - rear panel)

NOTE

- Dimension drawings of side panel see from page 5.53

3 U

05806060

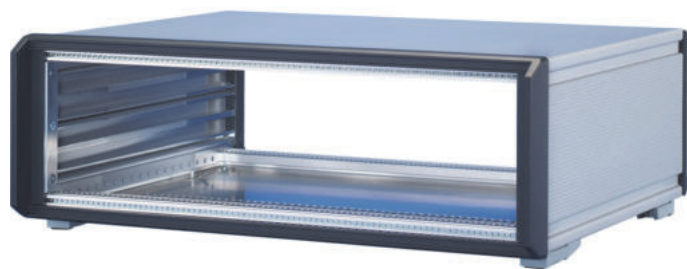


6 U

05806062

Desk-top enclosure – PropacPRO

CASES, 2 AND 3 U, UNSHIELDED

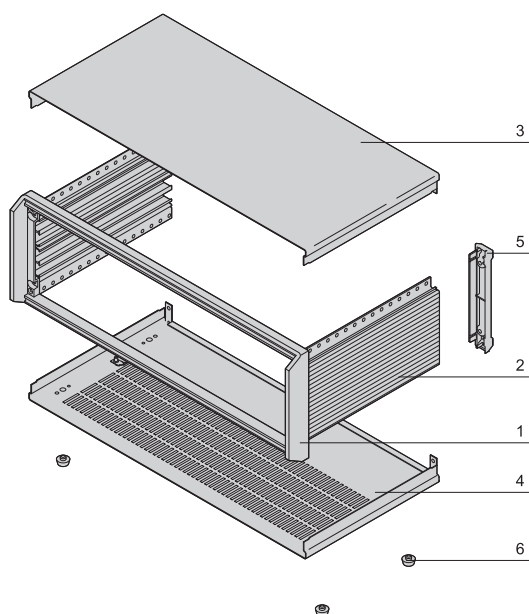


- Ventilation slots in base plate
- Prepared for GND/earthing

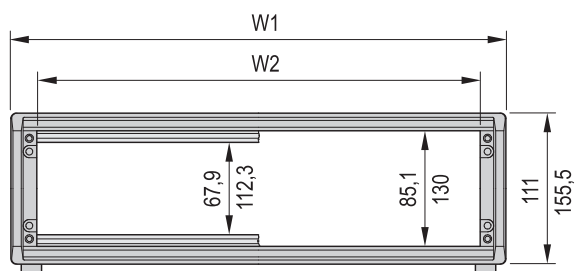
DELIVERY COMPRISES (kit, items 1 - 5 fitted)

Item	Qty	Description
1	1	Frame, Al die-cast, powder-coated, RAL 7016
2	2	Side panel, Al extrusion, powder-coated, RAL 9006
3	1	Cover plate, Al, 1 mm, internal surface conductive, visible surface powder-coated, RAL 9006, with GND/earthing tag
4	1	Base plate, Al, 1 mm, internal surface conductive, visible surface powder-coated, RAL 9006, with GND/earthing tag, base plate with 4 rows of ventilation slots
5	2	End piece for rear, ABS, RAL 7016, UL 94 V-0; can be used as a foot for use in vertical position
6	4	Case foot with anti-slip protection, PC, black, UL 94 V-0
7	1	Assembly kit

05806001



05806057



05806077

Cross-section 2 U, 3 U

ORDER INFORMATION

Usable width	Width W1	Depth D	2 U	3 U
W2	W2		Part no.	Part no.
HP	mm	mm		
28	147.3	185.9	266	14576-101
28	147.3	185.9	326	14576-103
42	218.4	257	266	14576-021 14576-121
42	218.4	257	326	14576-023 14576-123
42	218.4	257	386	14576-125
63	325.1	363.7	266	14576-041 14576-141
63	325.1	363.7	326	14576-043 14576-143
63	325.1	363.7	386	14576-045 14576-145
84	431.8	470.3	266	14576-161
84	431.8	470.3	326	14576-163
84	431.8	470.3	386	14576-165
84	431.8	470.3	446	14576-167
84	431.8	470.3	506	14576-169

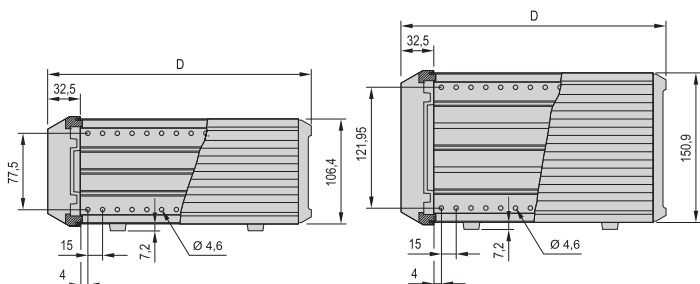
Accessories

GND/earthing kit Cu wire 1.5 mm², PVC sleeve, green/yellow, links side panels, base, cover and rear panel, PU 1 **21102-001** piece

Maximum mounting depth = D - 45
(Distance: front panel - rear panel)

NOTE

- Case, 3 U with side panel for tip-up carrying handle, see page 5.52
- Dimensions see page 5.48
- Dimensions side panel, see page 5.53



05806059

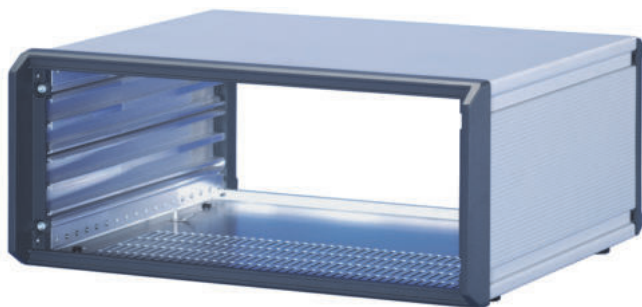
05806060

2 U

3 U

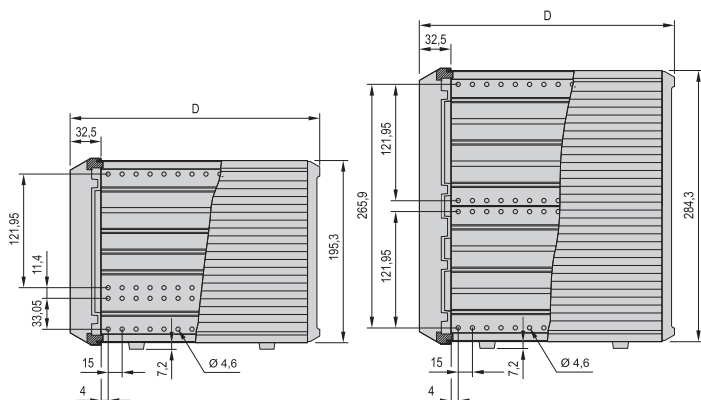
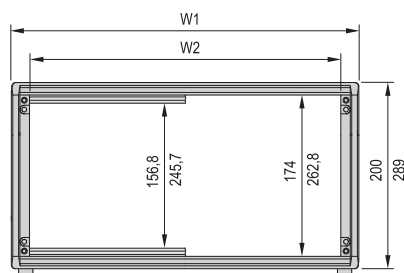
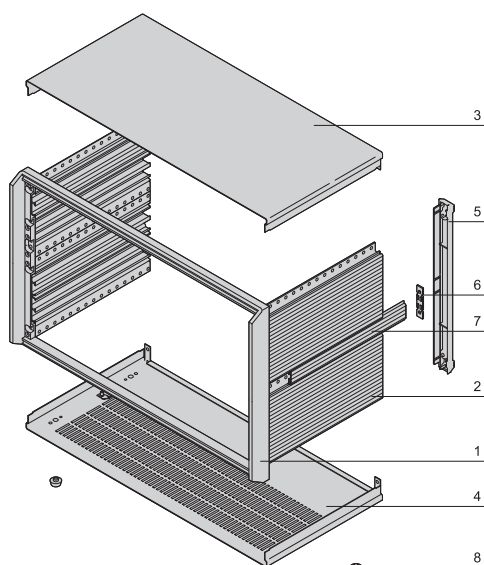
Desk-top enclosure – PropacPRO

CASES, 4 AND 6 U, UNSHIELDED



- Ventilation slots in base plate
- Prepared for GND/earthing

DELIVERY COMPRISES (kit, items 1 - 6 fitted)



4 U

6 U

Item	Qty	4 U	6 U	Description
1	1	1		Frame, Al die-cast, powder-coated, RAL 7016
2	2	4		Side panel, Al extrusion, powder-coated, RAL 9006
3	1	1		Cover plate, Al, 1 mm, internal surface conductive, visible surface powder-coated, RAL 9006, with GND/earthing tag
4	1	1		Base plate, Al, 1 mm, internal surface conductive, visible surface powder-coated, RAL 9006, with GND/earthing tag, base plate with 4 rows of ventilation slots
5	2	2		End piece for rear, ABS, RAL 7016, UL 94 V-0; can be used as a foot for use in vertical position
6	–	2		Adaptor bracket, Al
7	2	2		Cover trim for side panel, Al extrusion, powder-coated, RAL 9006
8	4	4		Case foot with anti-slip protection, PC, black, UL 94 V-0
9	1	1		Assembly kit

ORDER INFORMATION

Usable width		Width W1	Depth D	4 U	6 U
W2	W2			Part no.	Part no.
HP	mm	mm	mm		
42	218.4	257	266	14576-221	–
42	218.4	257	326	14576-223	–
63	325.1	363.7	266	14576-241	–
63	325.1	363.7	326	14576-243	–
63	325.1	363.7	386	14576-245	–
63	325.1	363.7	446	14576-247	–
84	431.8	470.3	326	–	14576-463
84	431.8	470.3	386	14576-265	14576-465
84	431.8	470.3	446	14576-267	14576-467
84	431.8	470.3	506	14576-269	14576-469

Accessories

GND/earthing kit Cu wire 1.5 mm², PVC sleeve, green/yellow, links side panels, base, cover and rear panel, PU 1 piece **21102-001**

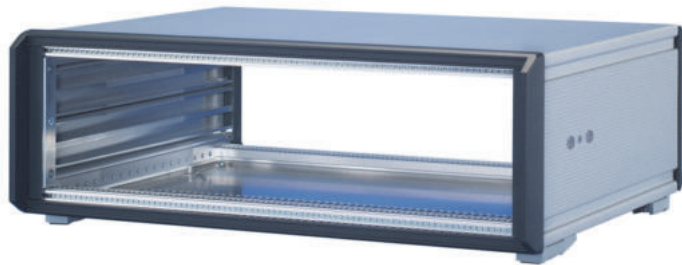
Maximum mounting depth = D - 45
(Distance: front panel - rear panel)

NOTE

- Case, 4 U with side panel for tip-up carrying handle, see page 5.52
- Dimensions side panel, see page 5.53

Desk-top enclosure – PropacPRO

3 U AND 4 U CASES, UNSHIELDED, WITH HOLES FOR TIP-UP CARRYING HANDLE



- Ventilation slots in base plate
- Prepared for GND/earthing
- Prepared for fitting of tip-up carrying handle

DELIVERY COMPRISES (kit, items 1 - 6 fitted)

Item	Qty 3 U	Qty 4 U	Description
1	1	1	Frame, Al die-cast, powder-coated, RAL 7016
2	2	4	Side panel, Al extrusion, powder-coated, RAL 9006; with drill holes for tip-up carrying handle
3	1	1	Cover plate, Al, 1 mm, internal surface conductive, visible surface powder-coated, RAL 9006, with GND/earthing tag
4	1	1	Base plate, Al, 1 mm, internal surface conductive, visible surface powder-coated, RAL 9006, with GND/earthing tag, base plate with 4 rows of ventilation slots
5	2	2	End piece for rear, ABS, RAL 7016, UL 94 V-0; can be used as a foot for use in vertical position
6	–	2	Cover trim for side panel, Al extrusion, powder-coated, RAL 9006
7	4	4	Case foot with anti-slip protection, PC, black, UL 94 V-0
8	1	1	Assembly kit

ORDER INFORMATION

Usable width		Width W1	Depth D	3 U	4 U
W2	W2			Part no.	Part no.
HP	mm	mm	mm		
42	218.4	257.0	326	14577-123	14577-223
42	218.4	257.0	386	14577-125	—
63	325.1	363.7	326	14577-143	14577-243
63	325.1	363.7	386	14577-145	14577-245
84	431.8	470.3	326	14577-163	—
84	431.8	470.3	386	14577-165	14577-265

Accessories

GND/earthing kit Cu wire 1.5 mm², PVC sleeve, green/yellow, links side panels, base, cover and rear panel, PU 1 piece **21102-001**

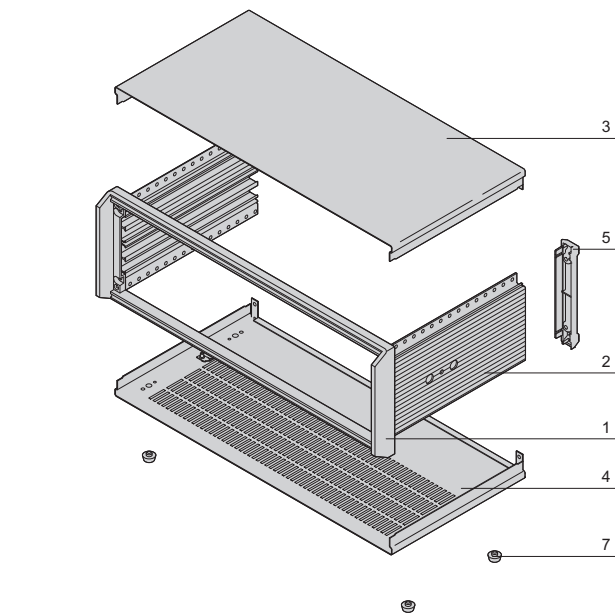
Tip-up carrying handle for 42 HP case width, PU 1 kit **24576-071**

Tip-up carrying handle for 63 HP case width, PU 1 kit **24576-072**

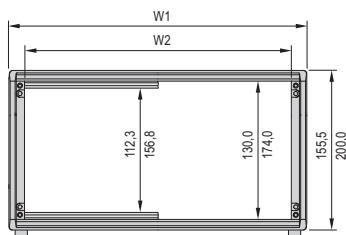
Tip-up carrying handle for 84 HP case width, PU 1 kit **24576-073**

NOTE

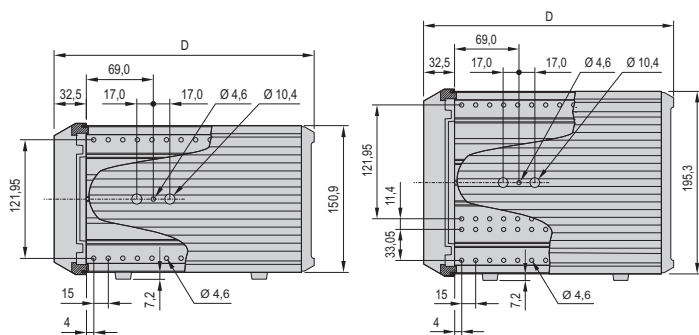
- Dimensions see page 5.48
- Dimensions side panel, see page 5.53



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05812051



05812052

05812053

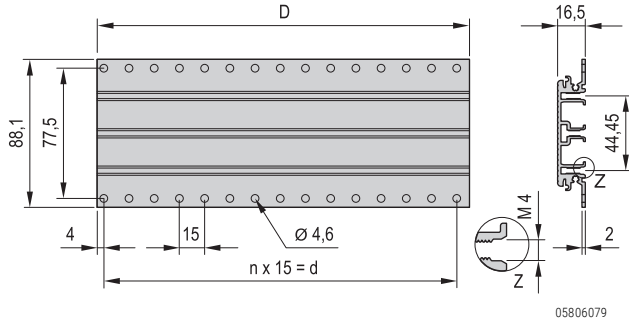
3 U

4 U

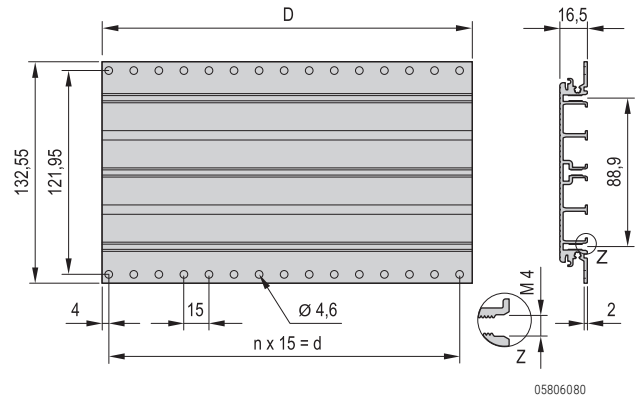
Desk-top enclosure – PropacPRO

DIMENSIONS

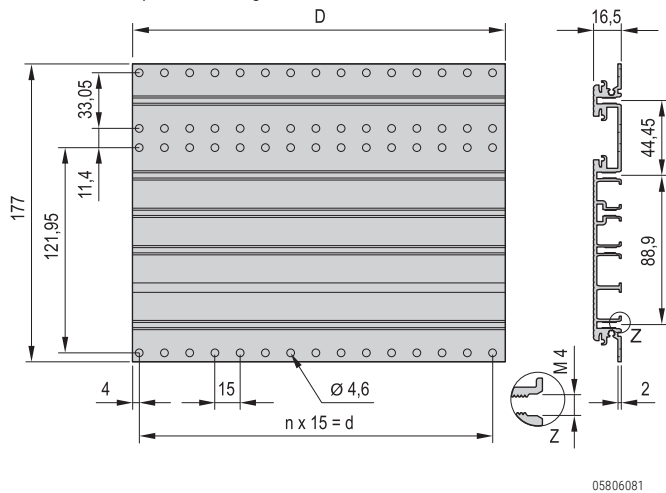
Extruded side panel 2 U



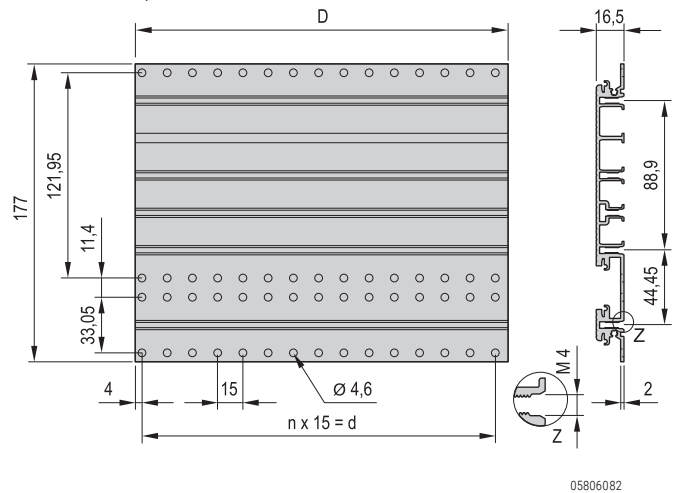
Extruded side panel 3 U



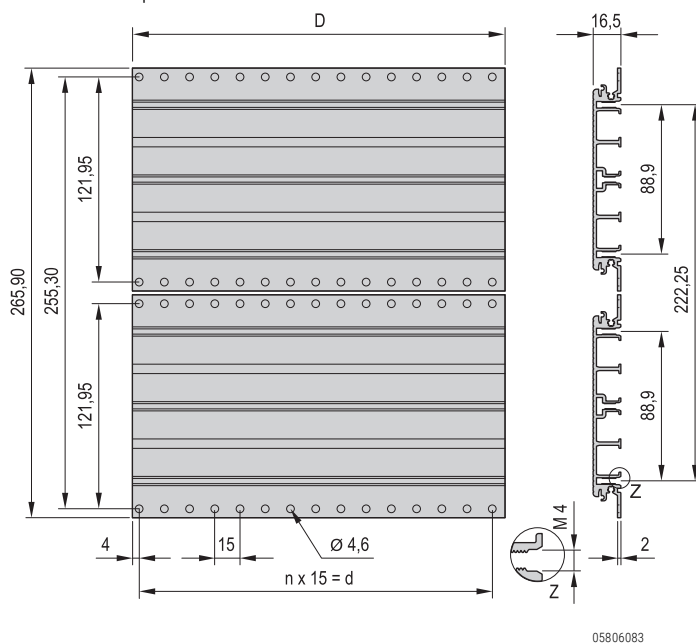
Extruded side panel 4 U, right



Extruded side panel 4 U, left



Extruded side panel 6 U



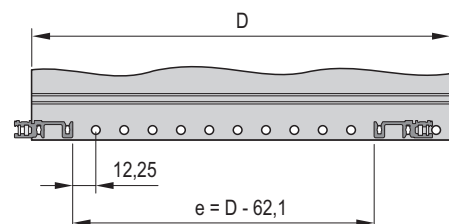
Dimensions table

For case depth	D	d	n
mm	mm	mm	
266	221.6	210	14
326	281.6	270	18
386	341.6	330	22
446	401.6	390	26
506	461.6	450	30

Note

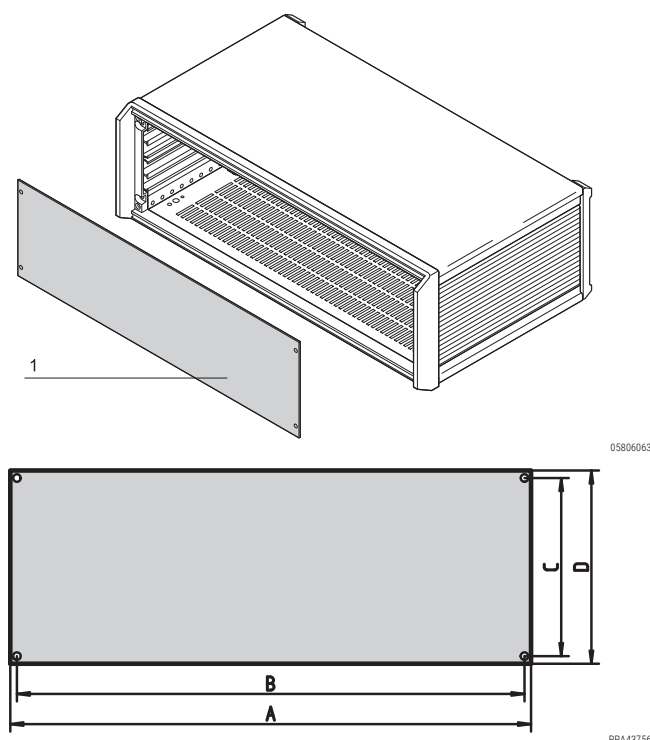
A side panel for case 6 U consists of 2 pieces 3 U extruded side panels

Side panel with horizontal rail



Desk-top enclosure – PropacPRO

FRONT PANEL, UNSHIELDED, FOR MOUNTING ON CASE FRAME



DELIVERY COMPRISES

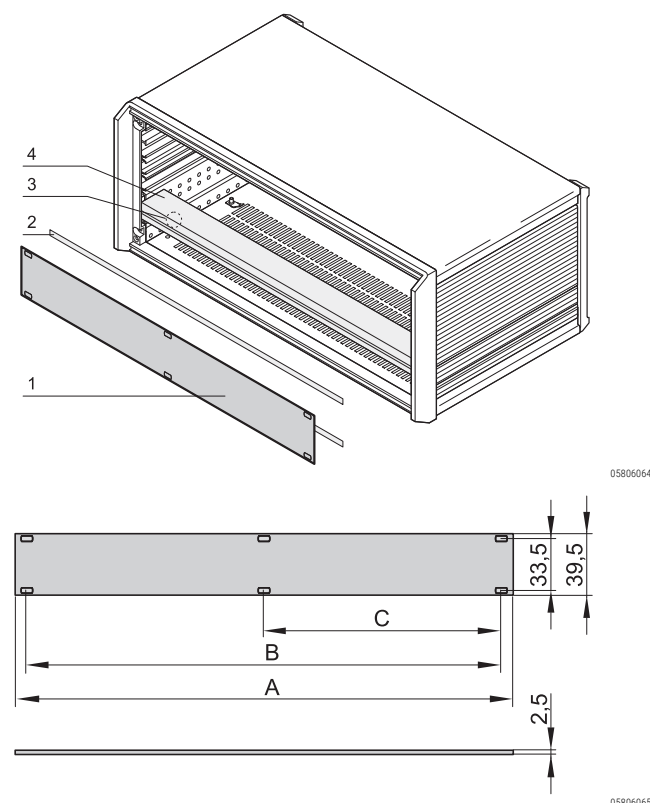
Item	Qty	Description
1	1	Full-width front panel, Al, 2 mm (on 84 HP = 2.5 mm), anodised, cut edges plain
2	1	Assembly kit

ORDER INFORMATION

For case height U	For case width HP	A mm	B mm	C mm	D mm	Part no.
2	42	238.7	230.0	74.0	84.0	20850-128
2	63	345.4	336.7	74.0	84.0	20850-129
2	84	452.0	443.3	74.0	84.0	-
3	28	167.6	158.9	118.5	128.5	20850-134
3	42	238.7	230.0	118.5	128.5	20850-135
3	63	345.4	336.7	118.5	128.5	20850-136
3	84	452.0	443.3	118.5	128.5	20850-137
4	42	238.7	230.0	162.9	172.9	20850-142
4	63	345.4	336.7	162.9	172.9	20850-143
4	84	452.0	443.3	162.9	172.9	20850-144
6	84	452.0	443.3	251.8	261.8	20850-158

- EMC front panel see chapter Front Panels, page 7.7

FRONT PANEL, 1 U, UNSHIELDED, FOR 4 U CASE, FOR MOUNTING ON HORIZONTAL RAILS



DELIVERY COMPRISES

Item	Qty	Description
1	1	Front panel, Al, 2.5 mm, front anodised, rear iridescent green chromated

ORDER INFORMATION

Width HP	A mm	B mm	C mm	Front panel Part no.
28	141.9	127.0	-	20850-423
42	213.0	198.1	101.6	20850-424
63	319.7	304.8	157.5	20850-425
84	426.4	411.5	203.2	20850-426

Accessories

Pozidrive/slotless screw M2.5 x 12.3, St, nickel-plated, PU 100 pieces	21101-101
Plastic sleeve, PA, grey PU 100 pieces	21100-464

NOTE

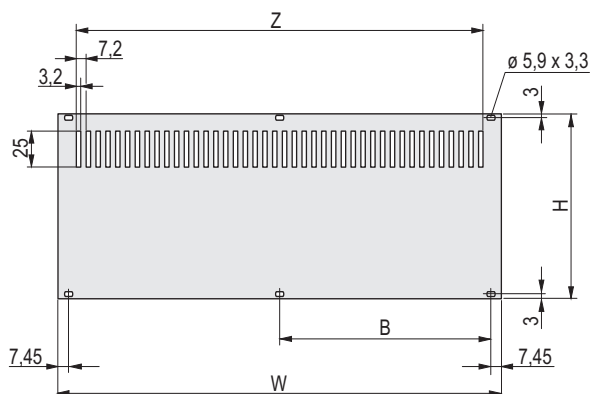
- Please order items 2, 3 and 4 separately

Width HP	Item 2 EMC gasket, front panel/horizontal rail PU 10 pieces Part no.	Item 3 EMC gasketing kit horizontal rails, 1 piece Part no.	Item 4 Horizontal rail type H-KD, 1 piece (SPQ 10)1 Part no.
28	24560-229	24562-528	34560-228
42	24560-231	24562-542	34560-242
63	24560-233	24562-563	34560-263
84	24560-235	24562-584	34560-284

1) SPQ (standard pack quantity): Order number includes 1 piece, but delivery is exclusively made in standard pack quantity (SPQ); please order at least the SPQ quantity or a multiple thereof

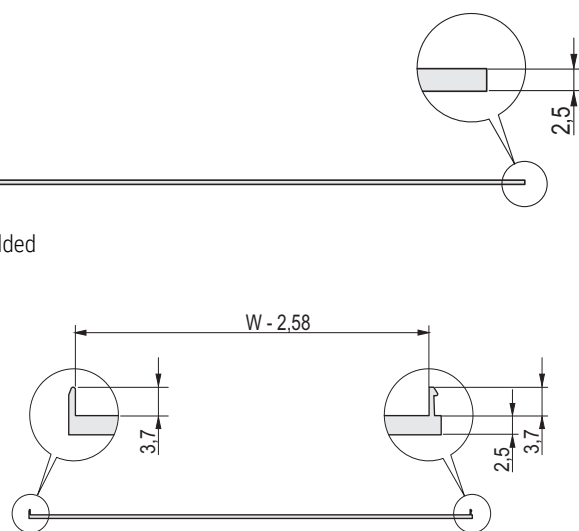
Desk-top enclosure – PropacPRO

REAR PANEL, PERFORATED, FOR MOUNTING ON HORIZONTAL RAILS



01802055

Unshielded



01804050

Shieldable

- Two versions: unshielded, Al, 2.5 mm shieldable, Al extrusion (textile EMC gasketing retrofittable)

DELIVERY COMPRISES

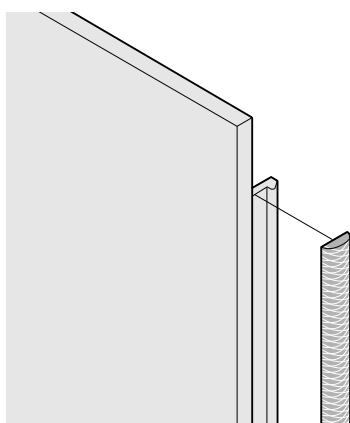
Item	Qty	Description
1	1	Rear panel, Al, 2.5 mm, front: anodised, rear: conductive; unshielded or shieldable with EMC sealing (textile)

ORDER INFORMATION

Height U	H mm	Width W HP mm	B mm	h mm	unshielded Part no.	shieldable Part no.
2	84	28	141.9	–	78	
2	84	42	213	101.6	78	30849-014 20848-680
2	84	63	319.7	157.5	78	30849-015 20848-681
2	84	84	426.4	208.3	78	
3	128.4	28	141.9	–	122.4	30849-008 20848-633
3	128.4	42	213	101.6	122.4	30849-021 20848-634
3	128.4	63	319.7	157.5	122.4	30849-022 20848-635
3	128.4	84	426.4	208.3	122.4	30849-023 20848-636
4	172.9	28	141.9	–	166.9	
4	172.9	42	213	101.6	166.9	30849-028 20848-657
4	172.9	63	319.7	157.5	166.9	30849-029 20848-658
4	172.9	84	426.4	208.3	166.9	30849-030 20848-659
6	261.8	28	141.9	–	255.8	
6	261.8	42	213	101.6	255.8	
6	261.8	63	319.7	157.5	255.8	
6	261.8	84	426.4	208.3	255.8	30849-037 20848-643

- Please order textile EMC gasket separately
- EMC gasket rear panel - horizontal rail see page 5.65
- Horizontal rails see page 5.67
- Assembly parts see page 6.63

TEXTILE EMC GASKET



04602054

- The textile EMC gasket is glue fixed laterally on the front panel, always in the groove on the right-hand side of the profile
- Temperature range -40 °C ... +70 °C

DELIVERY COMPRISES ()

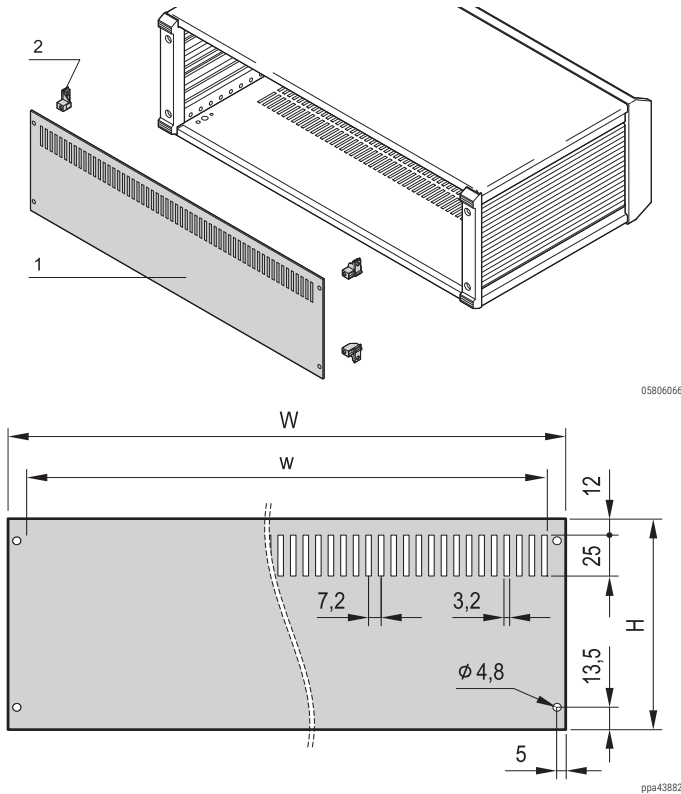
Item	Qty	Description
1	10/100	Textile EMC gasket, core: foam, sleeve: textile cladding with CuNi coating

ORDER INFORMATION

Height U	Height mm	Qty/PU pieces	Part no.
2	52	10	21101-857
3	97	100	21101-854
3	97	10	21101-853
4	142	10	21101-858
6	232	100	21101-856
6	232	10	21101-855

Desk-top enclosure – PropacPRO

REAR PANEL, UNSHIELDED, FOR MOUNTING ON CASE FRAME



- Mounting with support brackets on case (right and left)
- Versions with and without perforation

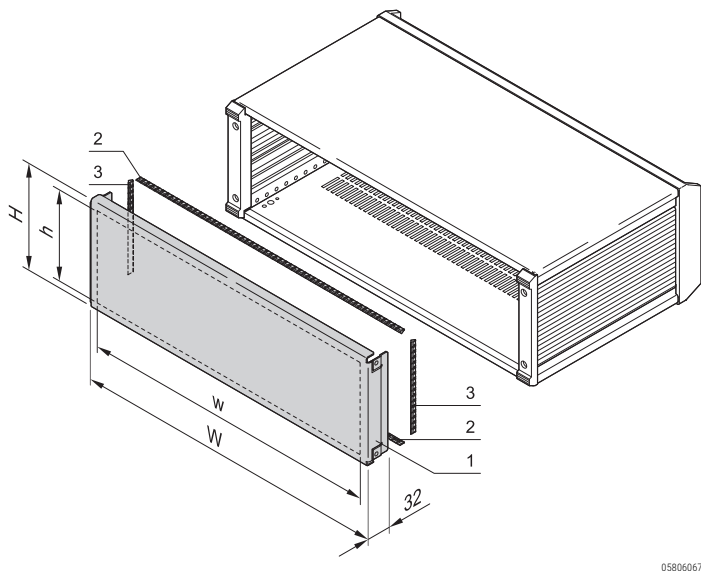
DELIVERY COMPRISES

Item	Qty	Description
1	1	Full-width rear panel, Al, anodised, cut edges blank 28, 42, 63 HP = 2 mm thickness 84 HP = 2.5 mm thickness
2	4	Support member, Zn die-cast
3	1	Assembly kit

ORDER INFORMATION

Height	H	Width W		w	With perforation	Without perforation
U	mm	HP	mm	mm	Part no.	Part no.
2	84	42	213	190	24576-144	24576-044
2	84	63	320	298	24576-145	24576-045
2	84	84	426	406	24576-146	24576-046
3	128.5	28	142	118	24576-147	24576-047
3	128.5	42	213	190	24576-148	24576-048
3	128.5	63	320	298	24576-149	24576-049
3	128.5	84	426	406	24576-150	24576-050
4	172.9	42	213	190	24576-152	24576-052
4	172.9	63	320	298	24576-153	24576-053
4	172.9	84	426	406	24576-154	24576-054
6	261.8	84	426	406	24576-158	24576-058

REAR PANEL, SHIELDED, FOR MOUNTING ON CASE FRAME



- Mounts on case (left, right)
- Without perforation

DELIVERY COMPRISES

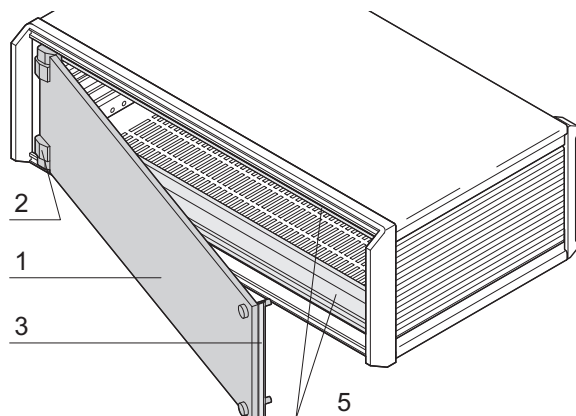
Item	Qty	Description
1	1	Full-width EMC rear panel, Al 1.5 mm, passivated, with GND/earthing connection (Faston 6.3 mm)
2	2	Textile EMC gasketing, for mounting top and bottom, core: foam, sleeve: textile cladding with CuNi coating
3	2	Textile EMC gasketing, for mounting left and right, core: foam, sleeve: textile cladding with CuNi coating
4	1	Assembly kit

ORDER INFORMATION

Height U	H mm	Height h mm	Width W HP	w mm	Part no.	
2	101.5	84	42	217.9	213	24576-244
2	101.5	84	63	324.6	319.7	24576-245
3	146	128.4	28	146.8	141.9	24576-247
3	146	128.4	42	217.9	213	24576-248
3	146	128.4	63	324.6	319.7	24576-249
3	146	128.4	84	431.3	426.4	24576-250
4	190.4	172.9	42	217.9	213	24576-252
4	190.4	172.9	63	324.6	319.7	24576-253
4	190.4	172.9	84	431.3	426.4	24576-254
6	279.3	261.8	84	431.3	426.4	24576-258

Desk-top enclosure – PropacPRO

FRONT PANEL, HINGED, SHIELDED, FOR MOUNTING ON HORIZONTAL RAILS



- Front panel with textile EMC gasketing
- Hinges can be fitted left or right
- Suitable for europacPRO subrack and ratiopacPRO, compacPRO and propacPRO cases

DELIVERY COMPRISES (kit)

Item	Qty	Description
1	1	Front panel, hinged, Al, 2.5 mm, front anodised, rear iridescent green chromated
2	2	Hinge, Zn die-cast, chrome-plated
3	1	Textile EMC gasket core: foam, sleeve: textile cladding with CuNi coating
4	1	Assembly kit

05806102

ORDER INFORMATION

Height U	Width HP	H mm	h mm	W mm	w mm	Part no.
3	84	128.4	89.9	426.4	203.2	20848-611
6	84	261.8	223.2	426.4	203.2	20848-617

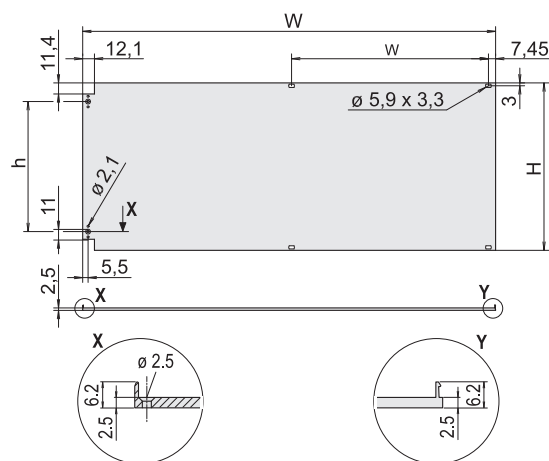
Item 5, Horizontal rail Type H-VT heavy duty, recessed mounting
84 HP, 1 piece (SPQ 10)

34560-784

NOTE

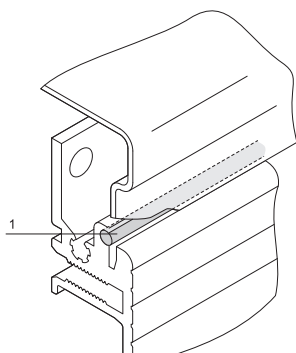
- Usable width reduced by 2 HP (hinged side)
- Horizontal rail (item 5) for front panel mounting is required, please order separately
- Lateral trim is necessary, please order separately, see page 5.59

05806097



04602081

EMC SIDE PANEL GASKET



- For EMC shielding between side panel and top cover or base plate (sufficient for at least 1 case)

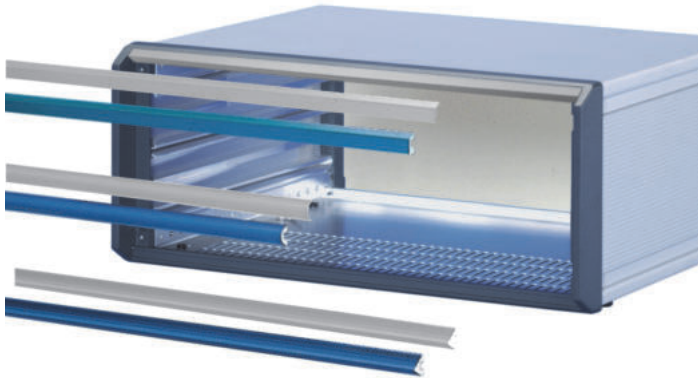
ORDER INFORMATION

Item	Description	Qty/PU	Part no.
1	Sealing cord, silicone, silver coated, Ø 2.4 mm, length 2.1 m	1	30850-354

05806068

Desk-top enclosure – PropacPRO

DESIGN ELEMENTS



05809002

- To individualise case design

DELIVERY COMPRISES

Qty	Description
1	Design element, Al extrusion, powder-coated
1	Assembly kit

ORDER INFORMATION

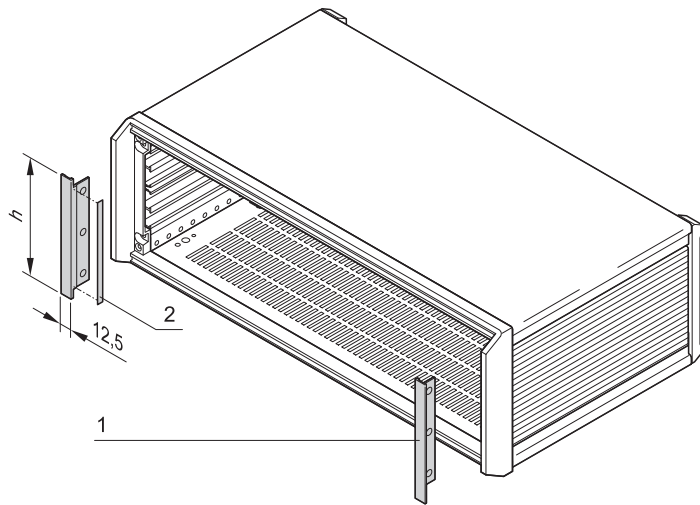
Description	Width	Light grey RAL 7035 Part no.	Brilliant blue RAL 5007 Part no.
Form 1			
	42	20850-184	20850-299
	63	20850-185	20850-300
	84	20850-186	20850-301
Form 2			
	42	20850-190	20850-315
	63	20850-191	20850-316
	84	20850-192	20850-317
Form 3			
	42	20850-196	20850-331
	63	20850-197	20850-332
	84	20850-198	20850-333

NOTE

- Size 28 HP and further colours available on request
- Cannot be combined with front hood

Desk-top enclosure – PropacPRO

TRIM, FRONT, FOR EMC SHIELDING



05806069

- For lateral covering of frame and for producing a continuous front with front panels and plug-in units
- Serves for lateral shielding of side panels simultaneously

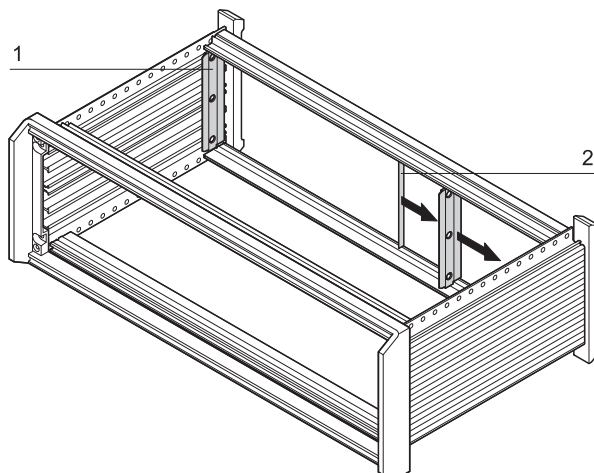
DELIVERY COMPRISES (kit)

Item	Qty	Description
1	2	Lateral trim, Al extrusion, visible surface painted RAL 7016
2	1	Textile EMC gasket
3	1	Assembly kit

ORDER INFORMATION

For case height	h	Part no.
U	mm	
2	84	24576-017
3	128.5	24576-117
4	172.9	24576-217
6	261.8	24576-417

TRIM, REAR, FOR EMC SHIELDING



05806103

- For vertical EMC shielding between shielded front panels and side panel

DELIVERY COMPRISES

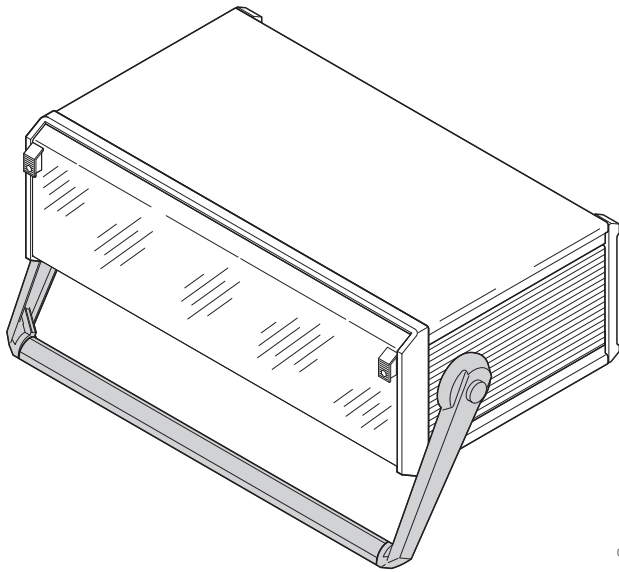
Item	Qty	Description
1	2	EMC contact strip, Al extrusion
2	1	Textile EMC gasket
3	1	Assembly kit

ORDER INFORMATION

Height	Height	Part no.
U	mm	
2	65.55	24576-018
3	110	24576-118
4	154.45	24576-218
6	243.35	24576-418

Desk-top enclosure – PropacPRO

TIP-UP CARRYING HANDLE



05806101

- With powder-coated carrying bar
- Can be locked in 30° increments
- Load-carrying capacity 20 kg

DELIVERY COMPRISES (Kit)

Item	Qty	Description
1	1	Carrying bar, Al extrusion, powder-coated, RAL 7016
2	2	Handle side part, Zn, die-cast, powder-coated, length 180 mm
3	2	Safety insert, St, 1.5 mm, black
4	1	Assembly kit for side panel mounting

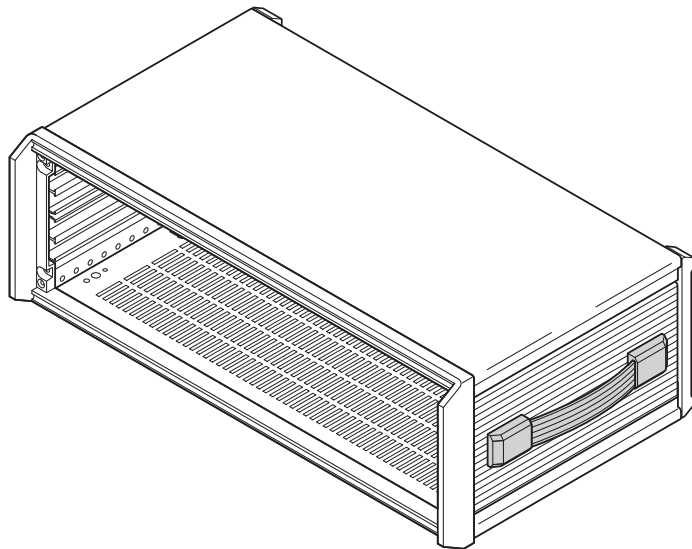
ORDER INFORMATION

For case width HP	Part no.
42	24576-071
63	24576-072
84	24576-073

NOTE

- To fit the tip-up carrying handle, holes must be drilled in the side panel
- Readily prepared cases (3 U and 4 U), for mounting the tip-up carrying handle see page 5.52

STRAP HANDLE



05806098

- Load-carrying capacity: 20 kg

DELIVERY COMPRISES (Kit)

Item	Qty	Description
1	1	Band, spring steel, handle, flexible plastic, grey, RAL 7016
2	2	Cover, grey, RAL 7016
3	1	Assembly kit

ORDER INFORMATION

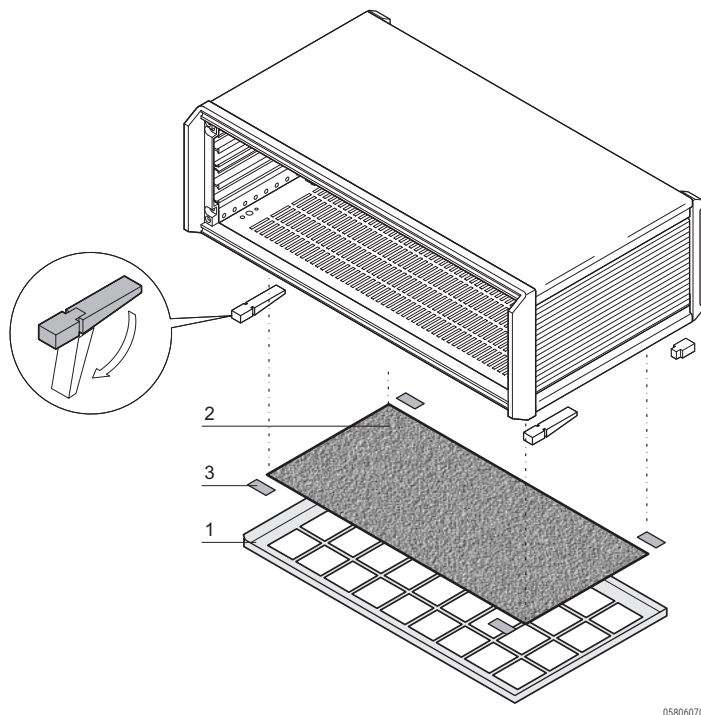
Description	Part no.
Strap handle with adaptor	20850-249

NOTE

- Holes must be drilled into the side panels to fix the strap handle
- Side panels with holes already drilled available on request
- Usable from case depth of D = 326 mm

Desk-top enclosure – PropacPRO

AIR FILTER



- Subsequent mounting possible without modification or tools
- Filter change without opening the case, IP protection code not affected

DELIVERY COMPRISES (Kit)

Item	Qty	Description
1	1	Filter holder, Al, 1 mm, powder-coated, RAL 9006
2	1	Filter mat, synthetic fibre
3	1	Velcro

ORDER INFORMATION

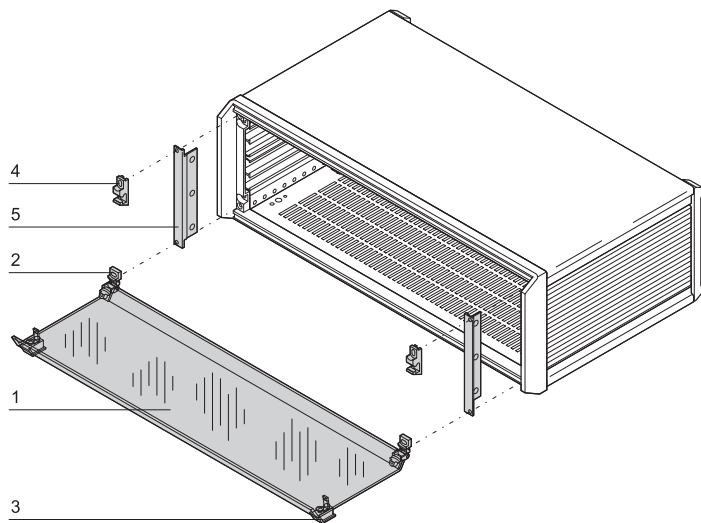
For case width	Air filter	Replacement filter 1 piece
HP	Part no.	Part no.
28	24576-093	64571-033
42	24576-094	64571-034
63	24576-095	64571-035
84	24576-096	64571-036
Tip-up foot in plastic silver, similar to RAL 9006, 4 pieces		20603-001
Plastic tip-up foot anthracite, similar to RAL 7016, 4 pieces		20603-002

NOTE

- For optimum ventilation feet must be fixed to the case, please order separately

Desk-top enclosure – PropacPRO

FRONT HOOD 3 U



- From acrylic glass, hinged, removable
- Mounting of hinges at top or bottom
- Lock (max. 2) retrofittable
- Lateral cover (item 5) also serves as vertical EMC shielding of side panels

DELIVERY COMPRISES (kit)

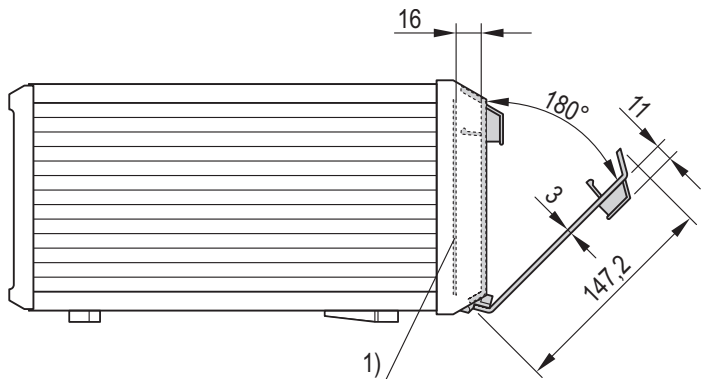
Item	Qty	Description
1	1	Hood, PMMA, tinted blue grey, acrylic glass, 3 mm
2	2	Hinge, PC, UL 94 V-0, RAL 7016
3	2	Handle, PC, UL 94 V-0, RAL 7016
4	2	Retainer, UL 94 V-0, PC, RAL 7016
5	2	Lateral trim, Al extrusion, visible surface painted RAL 7016
6	1	Assembly kit

ORDER INFORMATION

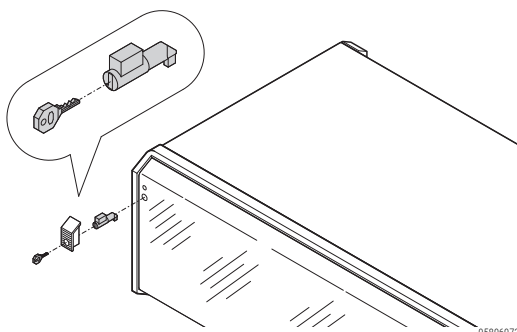
For case width	Part no.
HP	
28	24576-080
42	24576-081
63	24576-082
84	24576-083
Lock for front hood Locking cylinder, key, assembly kit, PU 1 kit	60850-171
Plastic tip-up foot silver, similar to RAL 9006, 4 pieces	20603-001
Plastic tip-up foot anthracite, similar to RAL 7016, 4 pieces	20603-002

NOTE

- Cannot be combined with design elements
- Other heights available on request
- Before assembly of hood feet must be fixed to case; please order separately



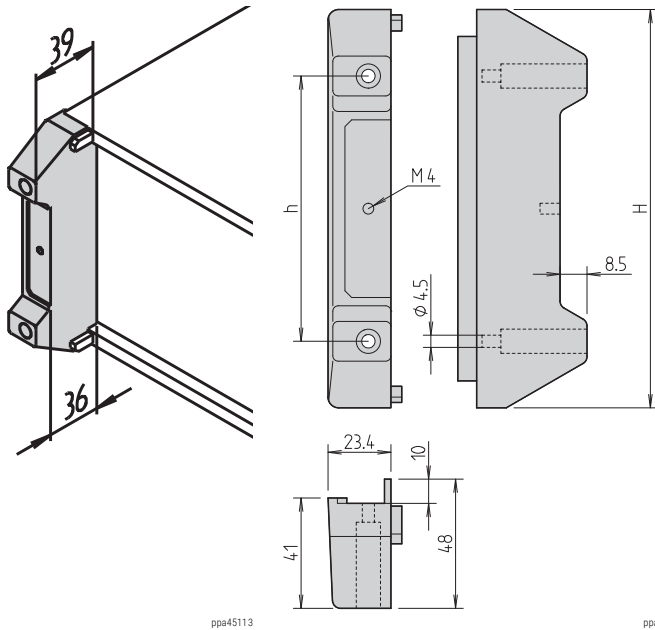
1) Front panel



Lock for front hood

Desk-top enclosure – PropacPRO

FOOT FOR REAR HOOD



- Increases the distance between rear panel and parking surface (when used vertically)
- Simplifies cable routing
- Increased shock and vibration damping
- Required for mounting rear hood

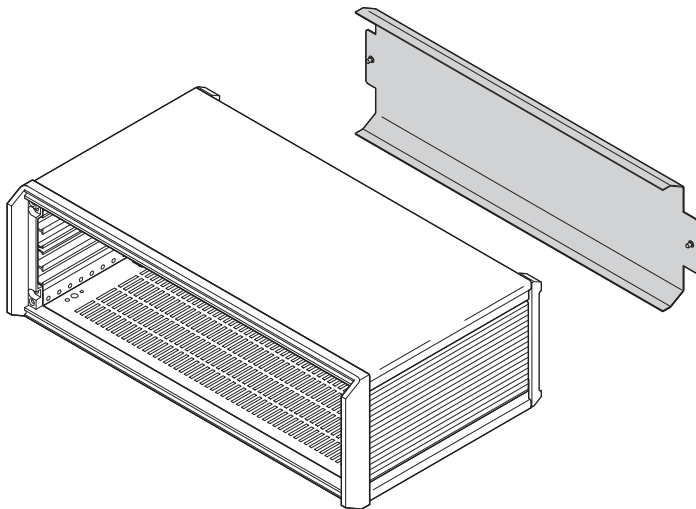
DELIVERY COMPRISES

Item	Qty	Description
1	2	Foot, PU foam
1	1	Assembly kit

ORDER INFORMATION

For cabinet height	Height H mm	Part no.
U		
3	147.9	24576-393
4	192.3	24576-394

REAR HOOD



DELIVERY COMPRISES (kit)

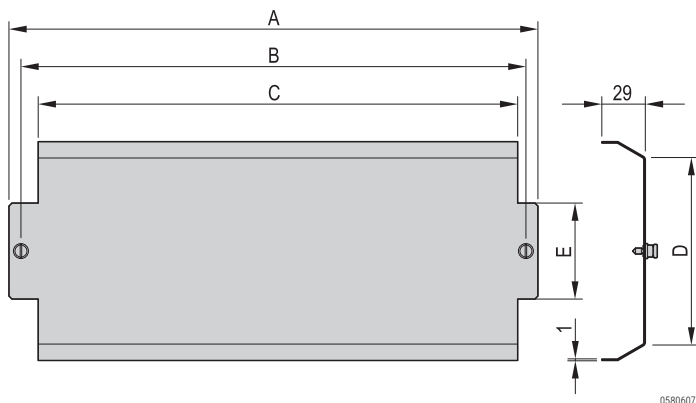
Item	Qty	Description
1	1	Hood, Al, 1 mm, RAL 9006, fixing with knurled screws
2	1	Assembly kit

ORDER INFORMATION

Height	Width	A	B	C	D	E	Part no.
U	HP	mm	mm	mm	mm	mm	
3	42	246	230	213	145.9	64	24576-086
3	63	352.7	336.7	319.7	145.9	64	24576-087
3	84	459.4	443.4	426.4	145.9	64	24576-088
4	63	352.7	336.7	319.7	190.4	108.5	24576-091
4	84	459.4	443.4	426.4	190.4	108.5	24576-092
Foot for rear hood for case height 3 U, PU foam, black, PU 2 pieces							24576-393
Foot for rear hood for case height 4 U, PU foam, black, PU 2 pieces							24576-394

NOTE

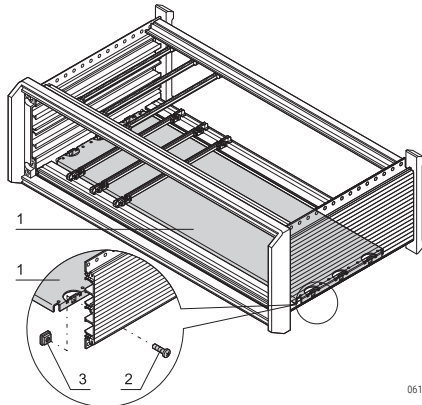
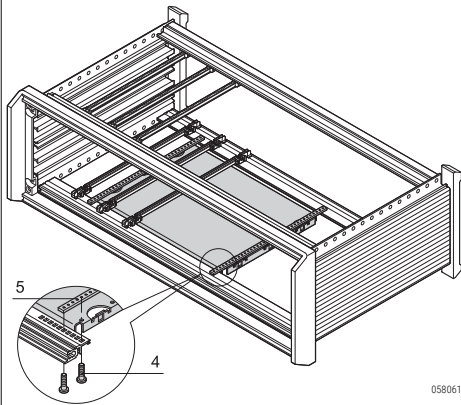
- To fit the rear hood, feet must be fitted to the rear panel; please order separately

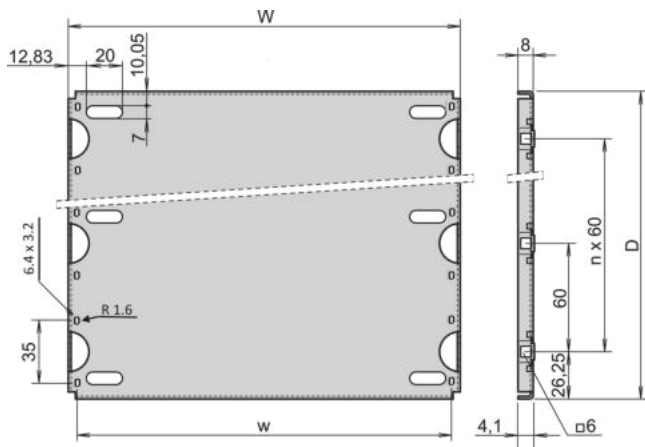


Desk-top enclosure – PropacPRO

MOUNTING PLATES

ORDER INFORMATION

			Mounting plate for fixing of heavy components	
			Mounting plate, total width	Mounting plate, partial width
			 Al, 1.5 mm; Please order for mounting kit separately Torque Moment: 1.5Nm	 Al, 1.5 mm; Please order for mounting kit for partial width separately Torque Moment: 1.5Nm and 0,37Nm
Width W HP	W mm	Board lengths mm	1 piece	1 piece
42	217.99	160	34562-746	34562-746
42	217.99	220	34562-750	34562-750
63	324.67	160	34562-747	34562-747
63	324.67	220	34562-751	34562-751
84	431.35	160	34562-748	
84	431.35	220	34562-752	
84	431.35	280	34562-756	
84	431.35	340	34562-760	
84	431.35	400	34562-870	
84	431.35	460	34562-871	
Assembly kit for mounting plate, PU 1 kit (Torx countersunk screw M4 x 5, St, zinc-plated, 16 pieces; screw M4 x 6, St, zinc-plated, 14 pieces; M4 square nut, St, zinc-plated, 14 pieces)			24560-184	-
Assembly kit for mounting plate, partial width 2 x St, threaded inserts 13HP, 5,0 x 2,0 mm, zinc plated; M2,5mm, 6 x screw M2,5x6, (0,37Nm) 5 x square nut M4, 5 x screw M4x6 (1,5Nm) 1 x User manual			-	24560-127



NOTE

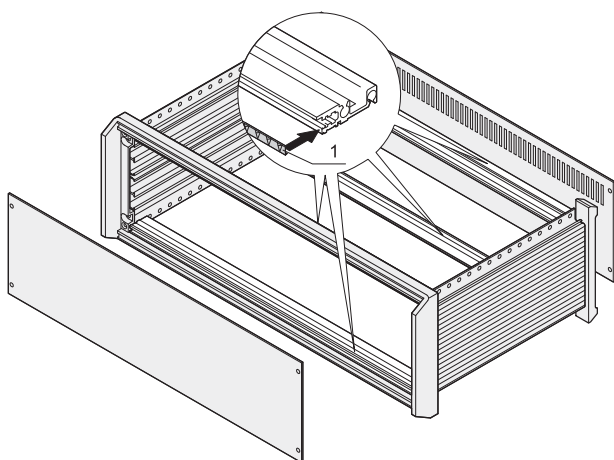
- Please order assembly kit for mounting plate separately
- Please order assembly kit for partial width separately
- Other versions on request
- Dimensions side panel with horizontal rail see page 5.53

PropacPRO:

D = board length - 47.5 mm; n = 1 for 160 mm board length; n = 2 for 220 mm board length; n=4 for 340 mm board length

Desk-top enclosure – PropacPRO

EMC GASKET, STAINLESS STEEL, BETWEEN FRONT/REAR PANEL AND HORIZONTAL RAIL



05806109

- The EMC contact strip is clipped onto the horizontal rail and forms a conductive link to front or rear panel
- Can be used for front/rear horizontal rails type VT (recessed)

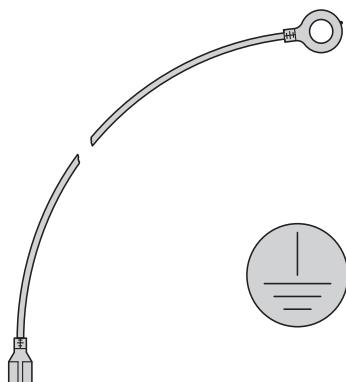
DELIVERY COMPRISES

Item	Qty	Description
1	10/100	EMC gasket, St, stainless

ORDER INFORMATION

Width HP	Length mm	Qty/PU pieces	Part no.
28	131.78	10	24560-229
42	202.9	10	24560-231
63	304.5	10	24560-233
84	416.56	10	24560-235
84	416.56	100	24560-236

GND/EARTHING KIT



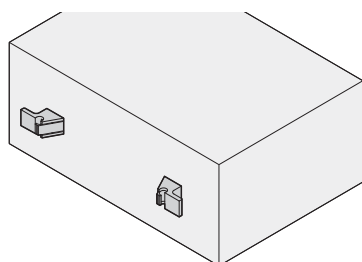
02943284

- Protective GND/earthing connections in accordance with:
 - DIN EN 50178/VDE 0160
 - DIN EN 62368-1/VDE 0805
 - DIN EN 61010-1/VDE 0411 part 1
 - DIN EN 61010-1A2/VDE 0411 part 1A1
- VDE tested

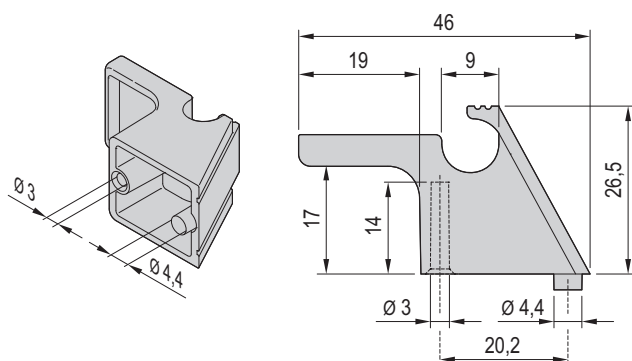
ORDER INFORMATION

Description	Part no.
GND/earthing kit, Cu wire 1.5 mm ² , PVC sleeve, green/yellow, links side panels, base and rear panel, 1 piece	21102-001

CABLE HOLDER



02908053



02908052

DELIVERY COMPRISES

Item	Qty	Description
1	2	Cable holder, ABS, UL V-94 0, RAL 7016, detent for cables between 8 mm and 12 mm
2	1	Drilling template, two drill holes each per holder are needed in rear panel
3	1	Assembly kit

ORDER INFORMATION

Description	Part no.
Cable holder	24575-800

Desk-top enclosure – PropacPRO

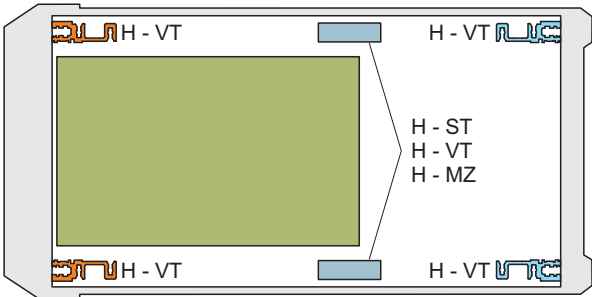
MOUNTING POSITION HORIZONTAL/CENTRAL RAILS

2 U



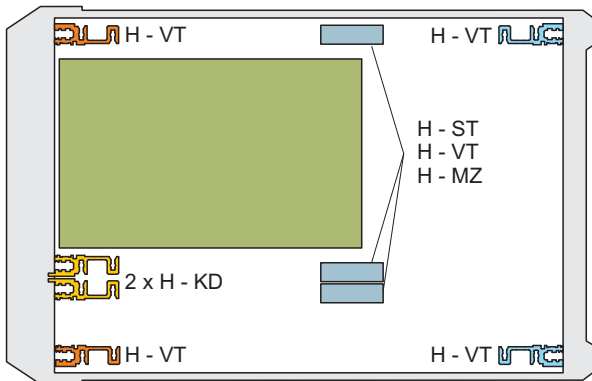
05806084

3 U



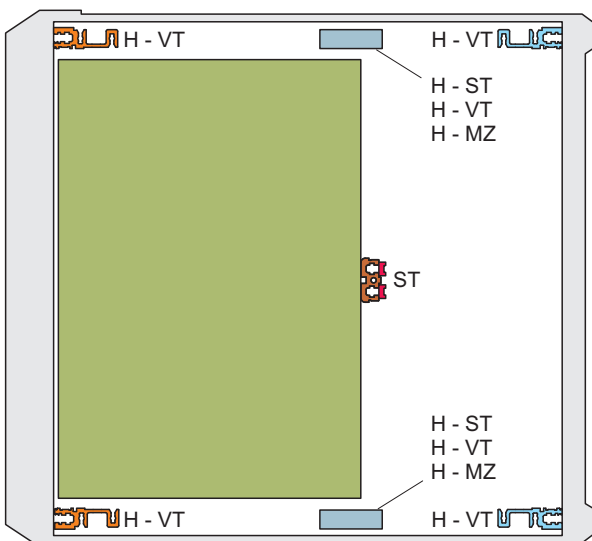
05806085

4 U (3 + 1)

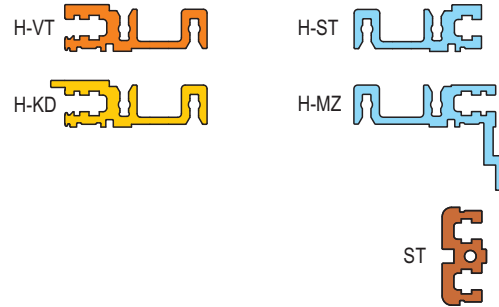


05806086

6 U

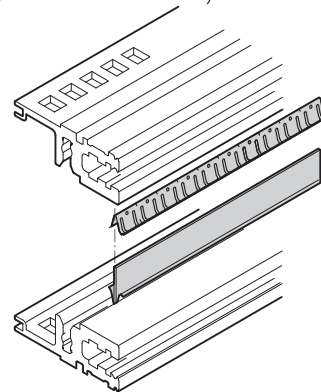


05806087



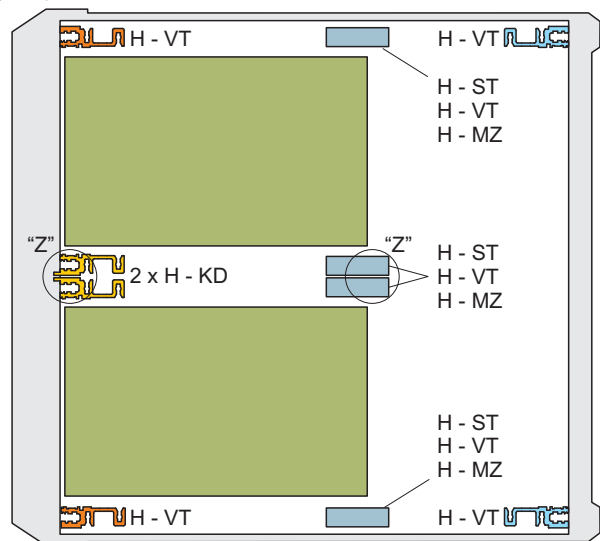
05809050

"Z" (EMC shielding with 2 horizontal rails)



06106051

6 U (2 x 3)

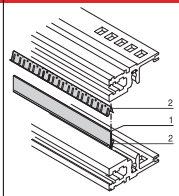
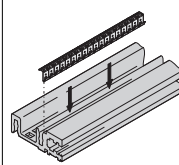


05806088

Desk-top enclosure – PropacPRO

HORIZONTAL RAILS TO FRONT/CENTRE/REAR

ORDER INFORMATION

		For indirect backplane fixing with insulation strip	For direct backplane fixing	For direct fixing of connectors in accordance with EN 60603-2 (DIN 41612)	Front horizontal rails	Stainless steel EMC gasket between horizontal rail and horizontal rail	Horizontal rail type H-VT robust, with EMC gasket
		 04400001	 04400002	 04400003		 bza45877	 06106052
		"heavy" Type H-ST standard	"heavy" Type H-VT long lip	"heavy" Type H-MZ with Z-rail	"heavy" Type H-KD short lip		
		 06197011	 06197013	 06197015	 06197008		
		Al extrusion, anodised finish, conductive surface, with printed HP markings	Al extrusion, anodised finish, conductive surface, with printed HP markings	Al extrusion, anodised finish, conductive surface, with printed HP markings	Al extrusion, anodised finish, conductive surface, with printed HP markings	item 1: metal strip, Al, 1 mm, item 2: EMC stainless steel gasket; for shielding of 2 horizontal rails positioned directly one above the other if assembly area is divided vertically	horizontal rail: Al extrusion, anodised, conductive contact surface for cover plates on shielded cases
Usable length HP	Length mm	1 piece (SPQ 10) ¹⁾	1 piece (SPQ 10) ¹⁾	1 piece (SPQ 10) ¹⁾	1 piece (SPQ 10) ¹⁾	PU 1 kit	1 piece
28	147.32	34560-528	34560-728	34560-928	34560-228	24562-528	24576-028
42	218.44	34560-542	34560-742	34560-942	34560-242	24562-542	24576-042
63	325.12	34560-563	34560-763	34560-963	34560-263	24562-563	24576-063
84	431.80	34560-584	34560-784	34560-984	34560-284	24562-584	24576-084
Torx panhead screw , M4 × 14, St, zinc-plated, PU 100 pieces		24571-371	24571-371	24571-371	24571-371	–	24571-371
Torx panhead screw , M 4 × 10, St, zinc-plated, necessary if guide rail is screwed to slot 1, PU 100 pieces		–	–	24571-372	24571-372	–	24571-372
Perforated rail for connector mounting with insulation strip see page		5.69	–	–	–	–	–
Z-rail for connector mounting without insulation strip see page		5.69	–	–	–	–	–
Insulation strips see page		–	5.68	–	–	–	–
Threaded inserts see page		5.68	5.68	5.68	5.68	–	–

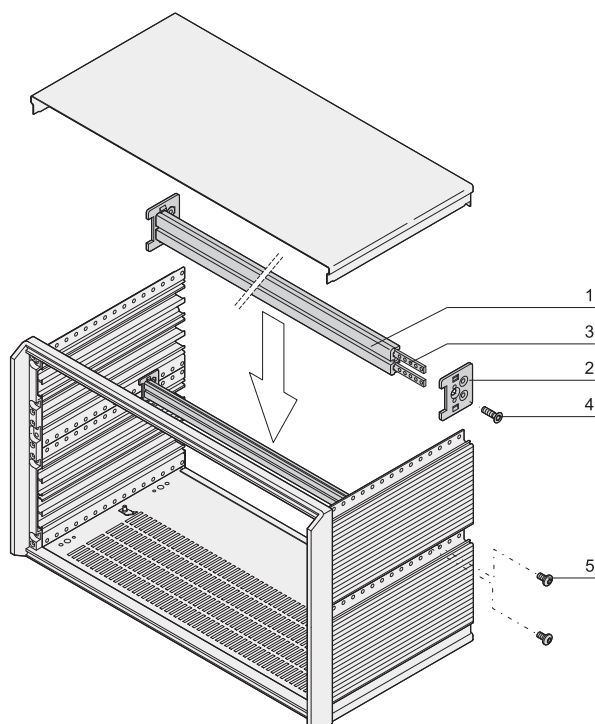
1) SPQ (standard pack quantity): Order number includes 1 piece, but delivery is exclusively made in standard pack quantity (SPQ); please order at least the SPQ quantity or a multiple thereof

NOTE

- Further horizontal rails see from page 6.27
- Fitting options see page 5.66

Desk-top enclosure – PropacPRO

HORIZONTAL RAILS, CENTRE, TYPE ST-C



05806089

- For indirect backplane mounting (with insulation strip)
- For 6 U propacPRO case

DELIVERY COMPRISES (kit, item 1 to 4 are pre-mounted)

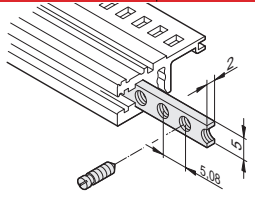
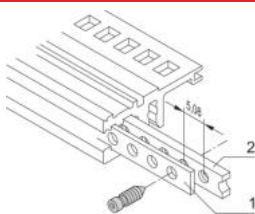
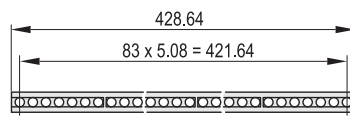
Item	Qty	Description
1	1	Horizontal rail, Al extrusion, anodised, contact surfaces conductive
2	2	Adaptor plate, Al
3	2	Threaded insert, M2.5, St, zinc-plated
4	2	Countersunk screw, M4 x 14
5	4	Pan head screw, M4 x 6

ORDER INFORMATION

Usable width	Length	Part no.
HP	mm	
84	431.8	24575-474
Insulation strip 84 HP, PC, UL 94 V-0, grey, PU 10 pieces		24560-884

THREADED INSERTS, PERFORATED STRIPS, INSULATION STRIPS

ORDER INFORMATION

		Threaded insert		Perforated strip		Insulation strip	
		M2.5	M3	(item 1)			
		 06103056 required for fixing the front panel to the horizontal rail; St, zinc-plated; use collar screw 12.3 mm, see page 6.64		 for centring shielded plug-in units, Al, 1 mm, please order grub screw separately		 BZ6749 for insulated backplane mounting; PC, UL 94 V-0, grey	
		Threaded insert		Perforated strip		Insulation strip	
Usable length	Length	1 piece (SPQ 10) ¹⁾	1 piece (SPQ 10) ¹⁾	Length	1 piece (SPQ 10) ¹⁾	Length	PU 10 pieces
HP	mm			mm		mm	
28	146.82	34561-328	–	147.12	30845-197	144.20	24560-828
42	217.94	34561-342	–	218.24	30845-211	210.40	24560-842
63	324.62	34561-363	–	324.92	30845-232	316.88	24560-863
84	431.30	34561-384	34561-484	431.60	30845-253	428.64	24560-884

Accessories

Grub screw M2.5 x 8, PU 100 pieces	21100-276	–		–		–
Grub screw M2.5 x 9, PU 100 pieces, Torx 8	–	–		21102-980		–
Grub screw M3 x 8, PU 100 pieces	–	21100-646		–		–

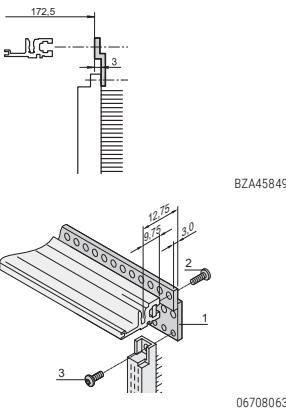
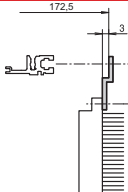
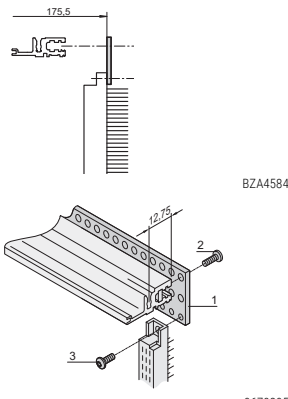
1) SPQ (standard pack quantity): Order number includes 1 piece, but delivery is exclusively made in standard pack quantity (SPQ); please order at least the SPQ quantity or a multiple thereof

2) Part no. includes one packing unit (PU); delivery is exclusively made in PU

Desk-top enclosure – PropacPRO

Z-RAILS, PERFORATED RAILS

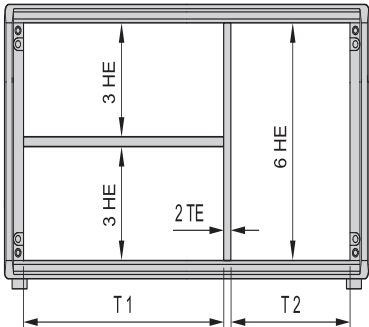
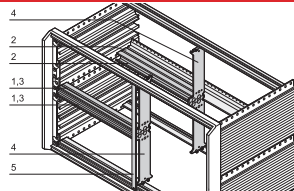
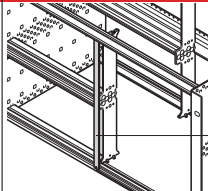
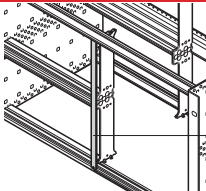
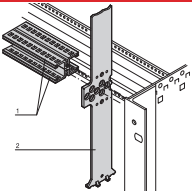
ORDER INFORMATION

		Z-rail for connectors DIN EN 60603-2, DIN 41612 item 1	31-pin, DIN 41617	Perforated rail EN 606032, DIN 41612 item 1
		 for connector mounting on ST horizontal rails, please order threaded insert and screw	 for connector mounting on ST horizontal rails, please order threaded insert and screw	 for connector mounting on VT horizontal rails, please order threaded insert and screw
Usable length HP	Length mm	1 piece	1 piece	PU 4 pieces
28	142.24	30822-033	–	20822-049
42	213.36	30822-047	–	20822-050
60	304.80	30822-065	30819-783	20822-047
84	426.70	30822-089	30819-808	20822-048
Item 3, Torx panhead screw to fix connector to perforated rail,, M2.5 × 7, PU 100 pieces		24560-147	24560-147	24560-147
Item 2, Torx panhead screw, to fix perforated rail to horizontal rail, M2.5 × 10, PU 100 pieces		24560-148	24560-148	24560-148

Desk-top enclosure – PropacPRO

COMBINED MOUNTING (6 U AND 2 X 3 U ONE ABOVE THE OTHER)

ORDER INFORMATION

	Combined mounting Horizontal and vertical subdivision (incl. front panel for stainless steel EMC gasket)	Unshielded front panel, 6 U, 2 HP item 5	Front panel for textile EMC gasket, 6 U, 2 HP item 5	Splitting extrusion for combined mounting item 2
	 item 1: 2 front horizontal rails (H-KD), Al extrusion, anodised; item 2: 2 rear horizontal rails (AB), Al extrusion, anodised; item 3: threaded insert, St, zinc-plated; item 4: Zn die-cast support member; item 5: front panel 2 HP, 6 U, shielded; with EMC stainless steel gasket; 84:0 without items 4, 5	 Al, 2.5 mm, front anodised, rear iridescent green chromated	 Al, 2.5 mm, U-profile with notch, 6 U, 2 HP	 6 U, Zn die-cast; splitting extrusion is inserted in the grid holes of the horizontal rail; the splitting extrusion can be bolted
Width pitch T1:T2 HP	PU 1 kit	1 (SPQ 5)	1 piece (SPQ 5) ¹⁾	1 piece
20:62	24562-420			
40:42	24562-440			
42:40	24562-442	30847-472	30849-140	64560-010
63:19	24562-463			
84:0	24562-484			
Torx countersunk screw M4 x 14, zinc-plated, PU 100 pieces for fixing splitting extrusion/horizontal rail	–	–	–	24560-145
Panhead screw M2.5 x 10, St, zinc-plated, PU 100 pieces for fixing horizontal rail/splitting extrusion	–	–	–	24560-179
Pozidrive/slotted collar screw M2.5 x 12.3, St, nickel-plated, PU 100 pieces	–	21101-101	21101-101	–
Pozidrive/slotted collar screw M2.5, black, zinc-plated, PU 100 pieces	–	21101-102	21101-102	–
Washer 2.7 x 5 x 1, plastic PA 6, PU 100 pieces	–	21101-121	21101-121	–
Textile gasket, core: foam, sleeve: textile cladding with CuNi coating, UL 94 V-0, PU 10 pieces	–	–	21101-855	–

- Subdivision of the 6 U assembly area into:
 - 2 x 3 U
 - 1 x 6 U
- Designed to accept euroboards (100 mm high) and double euroboards (233.35 mm high)

NOTE

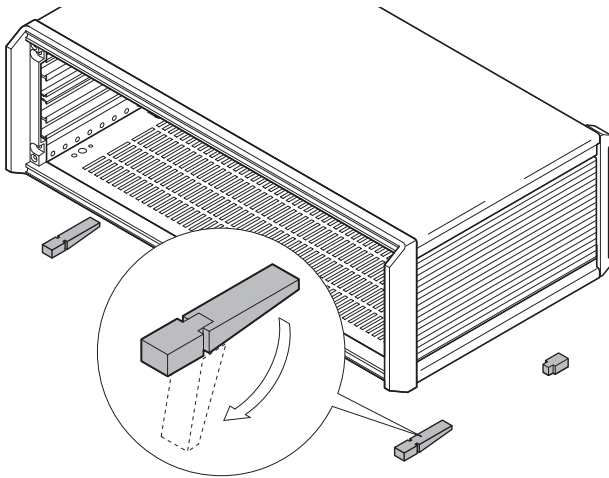
- Please order EMC gasketing kit for horizontal rails separately, see page 6.54
- Please order perforated strips for horizontal rails separately, see page 5.68
- Please order rear centre horizontal rail separately, see page 5.68

ORDER INFORMATION

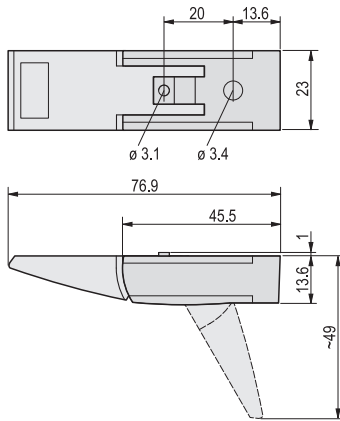
* For direct backplane mounting

Desk-top enclosure – PropacPRO

PLASTIC TIP-UP FEET



05806093



02906050

- Static load-carrying capacity 25 kg per foot
- Tip-up feet can be used instead of the pre-mounted case feet
- Fixing holes provided in bottom of case

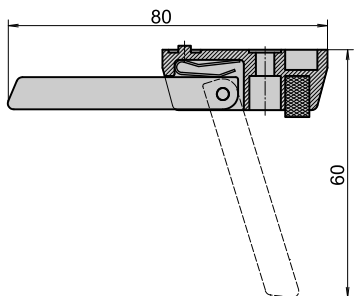
DELIVERY COMPRISES (kit)

Item	Qty	Description
1	4	Foot, PA, UL 94 V-0
2	4	Anti-slip protection, TPE
3	2	Tip-up device, PA, UL 94 V-0
4	1	Assembly kit

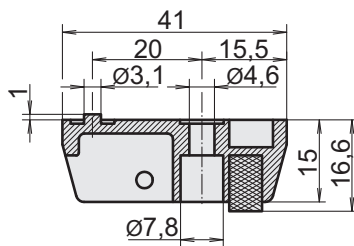
ORDER INFORMATION

Description		Part no.
Plastic tip-up foot	anthracite, similar to RAL 7016, 4 pieces	20603-002
Plastic tip-up foot	silver, similar to RAL 9006, 4 pieces	20603-001

TIP-UP FEET MADE OF DIE-CAST ALUMINIUM



AZA43836



02908051

- Can be used instead of the round standard feet
- Fixing holes provided in bottom of case
- Secure case stance with slip-proof rubber inserts
- Load carrying capacity: 50 kg per foot, max. case weight 40 kg

ORDER INFORMATION

Description	Qty	Part no.
Foot with tip-up, Al die-cast, silver	1 piece (SPQ 10) ¹⁾	10603-002
Foot without tip-up, Al die-cast, silver	1 piece (SPQ 10) ¹⁾	10603-001
Cheesehead screw with slot M4 x 12, St, zinc-plated, PU 100 pieces		21101-211
Hexagon nut M4, St, zinc-plated, PU 100 pieces		21100-211
Spring washer A4, St, zinc-plated, PU 100 pieces		21100-207

1) Part no. comprises 1 piece;
delivery is in standard pack quantity (SPQ):
please order a minimum of 10 feet or a multiple

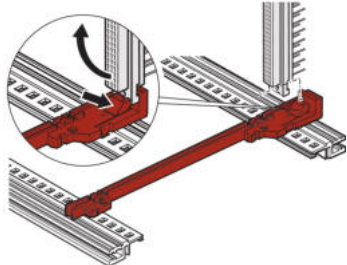
NOTE

- Delivery is in standard pack multiples;
pricing is per individual item

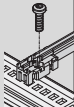
Desk-top enclosure – PropacPRO

GUIDE RAILS FOR PLUG-IN UNITS AND FRAME TYPE PLUG-IN UNITS, ONE-PIECE, GROOVE WIDTH 2 MM

ORDER INFORMATION

			For plug-in units and frame type plug-in units Standard	With DIN connector fixing as standard
Assembly - can be clipped into Al extruded horizontal rails - can be clipped into 1.5 mm thick sheet metal Storage temperature from -40 °C ... 130 °C			 061 02001	 06101501
			up to 220 mm length, PC, UL 94 V-0; multi-piece from 280 mm length, end piece PC, UL 94 V-0, central section Al extrusion	PBT, UL 94 V-0, red, connector is clipped directly onto the guide rails; for euroboards, 100 x 160 mm or 100 x 220 mm only
Board lengths mm	Groove width mm	Colour mm	PU 10 pieces	1 pair (SPQ 10) ¹⁾
70	2	red	–	–
70	2	grey	–	–
160	2	red	24568-361	64560-074
220	2	red	24568-362	64560-075
280	2	red	24568-379	–
340	2	red	24568-380	–
Dimension drawings see page			6.40	6.40

Accessories

Retention screw, PU 100 pieces		24560-141	24560-141
ESD clip, PU 50 pieces description see page 6.41		24560-255	24560-255

1) SPQ (standard pack quantity): Order number includes 1 piece, but delivery is exclusively made in standard pack quantity (SPQ); please order at least the SPQ quantity or a multiple thereof

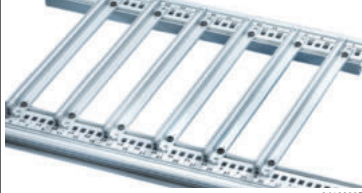
2) Part no. includes one packing unit (PU); delivery is exclusively made in PU

Further guide rails see page 6.35

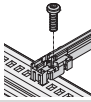
Desk-top enclosure – PropacPRO

GUIDE RAILS TYPE "ACCESSORIES", ONE-PIECE, GROOVE WIDTH 2 MM AND 2.5 MM

ORDER INFORMATION

			Guide rails "Accessories"	Guide rails "Accessories" strengthened	Guide rails for heavy modules, Al extrusion, silver, robust version
Assembly - can be clipped into horizontal rails in Al extrusion - can be clipped into 1.5 mm thick sheet metal storage temperature from -40 °C ... +130 °C			 up to 280 mm length, PC, UL 94 V-0; multi-piece from 280 mm length, end piece PC, UL 94V-0, middle section Al extrusion	 PC UL 94 V-0, red support beam of guide rails adds to strengthening	 Al extrusion; is screwed to horizontal rail "heavy" with retention screws
Board lengths mm	Groove width mm	Colour mm	PU 10 pieces	1 piece (SPQ 50)	1 piece (SPQ 50) ¹⁾
100	2	red	–	–	–
160	2	red	24568-363	64568-076	–
160	2	grey	–	–	34562-881
220	2	red	24568-364	64568-078	–
220	2	grey	–	–	34562-882
280	2	red/ silver	24568-381	64568-080	34562-883
340	2	red/ silver	24568-382	–	34562-884
400	2	silver	–	–	34562-885
160	2.5	red / silver	–	64568-118	34564-881
220	2.5	red / silver	–	64568-119	34564-882
280	2.5	red / silver	–	64568-120	34564-883
340	2.5	silver	–	–	34564-884
400	2.5	silver	–	–	34564-885
Dimension drawings see page			6.40	6.40	6.40

Accessories

Retention screw, PU 100 pieces 	24560-141	24560-141	24560-157
ESD clip, PU 50 pieces description see page 6.41	24560-255	24560-255	–
Board locking C, red, PU 10 pieces, description see page 6.41	24560-377	24560-377	–
Board handle C, red, PU 10 pieces, description see page 6.41	24560-378	24560-378	–
Identification strips for board handle, red, PU 1 sheet = 438 pieces, description see page 6.41	60817-228	60817-228	–
Coding see page	6.41	6.41	–

1) SPQ (standard pack quantity): Order number includes 1 piece, but delivery is exclusively made in standard pack quantity (SPQ); please order at least the SPQ quantity or a multiple thereof

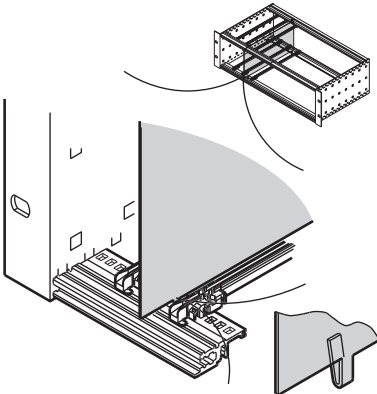
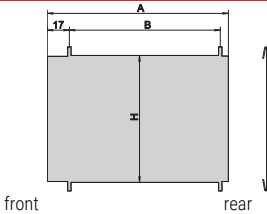
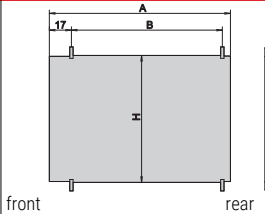
2) Part no. includes one packing unit (PU); delivery is exclusively made in PU

Further guide rails see page 6.35

Desk-top enclosure – PropacPRO

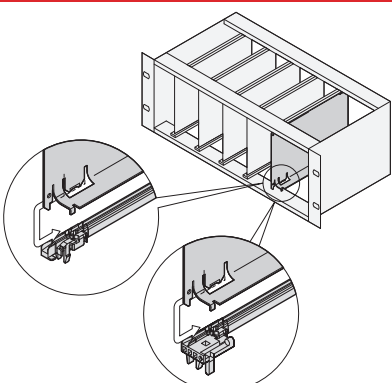
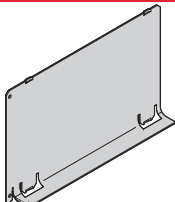
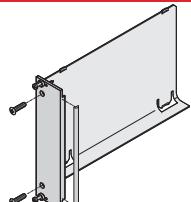
DIVIDER PLATE

ORDER INFORMATION

					Divider plate	Mounting position when stainless steel EMC gasket is used	Mounting position when textile EMC gasket is used
							
					Stainless steel, 1 mm, is mounted by clipping onto horizontal rail, space requirement on component side 2 mm; mounting direction varies with shielding design (EMC stainless steel or textile gasket); retrofitting the divider plate in an already-assembled subrack/case will first require dismantling of the horizontal rails; where front panels are unshielded, both mounting directions are possible		
Height U	Depth mm	A mm	B mm	H mm	PU 10 pieces		
3	160	158.3	135.0	113.5	34562-761		
3	220	218.3	195.0	113.5	34562-762		
6	160	158.3	135.0	246.9	34562-763		
6	220	218.3	195.0	246.9	34562-764		

AIR BAFFLE FOR SLOTS

ORDER INFORMATION

			Air baffle without front panel	Air baffle with front panel
				
			Al, 1 mm, incl. assembly kit; prevents an air short circuit in unoccupied slot positions; is pushed into the groove of the guide rails	
Depth mm	Width HP	Height U	1 piece	1 piece
160	4	3	34562-823	20848-728
160	4	6	34562-826	20848-736
220	4	3	34562-824	20848-729
220	4	6	34562-827	20848-737

Desk-top cases – Introduction

CASE TYPES: DESK-TOP ENCLOSURE/ 19" CASE



Desk-top enclosure, ratiopacPRO

19" case, comptec

Desk-top enclosures

Our desk-top cases are used to house PCBs (euroboards) or individual components

The choice is yours:

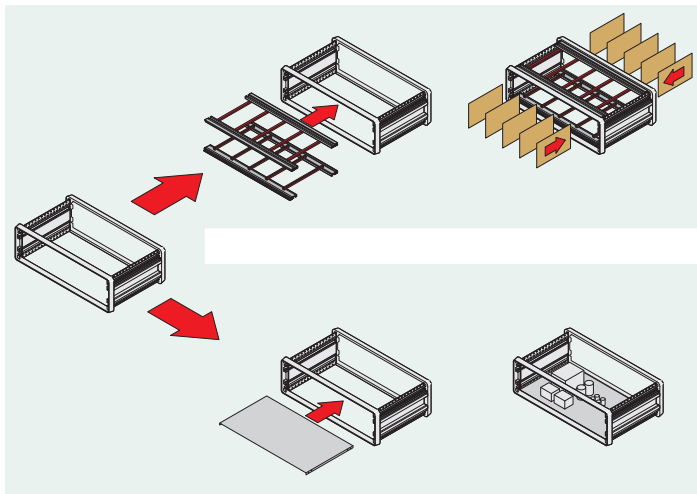
- ratiopacPRO, the universal case with 19" compatible dimensions and high EMC shielding, e.g. for CompactPCI and VME64x applications
- propacPRO, the robust case with high EMC shielding for 19"-compatible or custom electronics assemblies
- compacPRO, Desk-top or portable case for unshielded applications

19" cases

Our comptec cases are comparable with small cabinets and are used to house 19" components such as subracks, 19" fan trays or 19" front panels

All desk-top enclosures have a very low weight owing to the materials used and are also suitable for mobile use

APPLICATIONS FOR DESK-TOP ENCLOSURES



The most important user domains for desk-top enclosures are:

- Fitting with euroboards in accordance with IEC 60297



- Fitting with individual electrical or mechanical components, e.g. on mounting plates



ONE PRODUCT PLATFORM AND EXTENSIVE ACCESSORIES



- Practical technology without time-consuming assembly. The modular product platform of these cases allows a wide range of possible uses with only a small number of components.

The intelligent design of all components results in an astonishingly quick and easy assembly of the components.

With our PRO product platform we offer you full compatibility of all individual components and accessories, also with our europacPRO subracks.

Standard desk-top enclosures can also be adapted easily and with little effort for mobile applications.

Desk-top cases – Introduction

FORMS OF DELIVERY FOR DESK-TOP ENCLOSURES



Flat pack delivery to save space

06104001

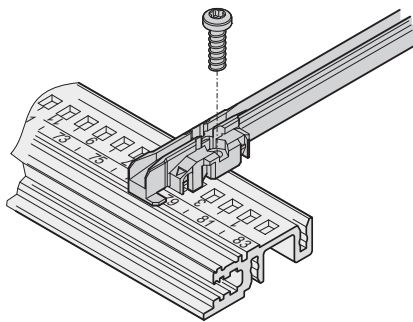
Supplied in space-saving packs. Simply unpack parts and screw together - done.

Depending on the kit chosen the threaded insert, the perforated rail or the EMC gasket is pre-assembled on the horizontal rail.

We offer you three forms of delivery:

- Pre-assembled kit for use with 160 mm deep euroboards, frame fitted, cladding parts and guide rails supplied loose.
- Pre-assembled kit for individual configuration, frame assembled, cladding parts supplied loose.
- Ready assembled cases to your specifications. With our ServicePLUS option you can order ready-assembled cases, with drilled holes and cut-outs and individual front panels - if necessary even by express service.

GUIDE RAIL



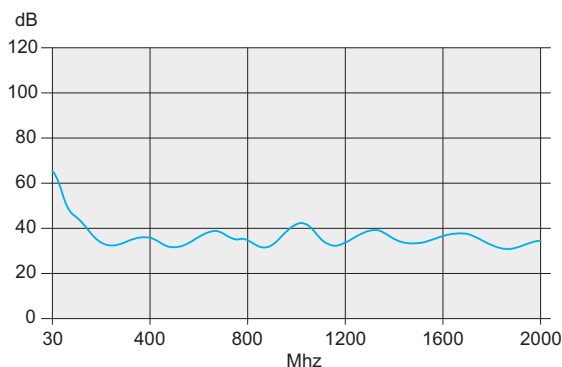
06108084

- Guide rails form the interface between the mechanics of the case and the electronics assembled (PCBs, plug-in units, frame type plug-in units, drive unit modules, etc.).

Robust snap-in fixings on the plastic rails assure that the components are held securely, even when exposed to vibrations.

Guide rails can also be screwed on.

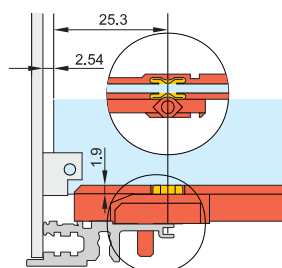
EMC AND ESD



06108081

Shielding

- Our case product platforms offer standard solutions for achieving electromagnetic compatibility (EMC) and to avoid electrostatic interference (ESD)
- Shielding on the front and rear of the case is effected by front panels with EMC gaskets
- To prevent electrostatic discharge when inserting PCBs, ESD contacts are clipped into the guide rails. These provide a conductive connection between board and case earth/ground
- Test reports are available on our website www.schroff.biz for download



04503050

Position of the ESD clip

Desk-top cases – ServicePLUS

Application examples



Application: ratiopacPRO-air case in special colour, shielded board cage, filter mat top and bottom

01809001



Application: ratiopacPRO-air case with processed front and rear panels

01809003



Application: compacPRO case, modified

02009001



Application: compacPRO case with fitted horizontal rail with lip and hinged front panel

02009003



Application: compacPRO case with fitted horizontal rail with lip and folding front panel

02009002



Application: compacPRO with tip-up carrying handle and front panel (without visible screws)

02009004



Application: inpac case with hinged and modified front and rear panels

02109001



Application: propacPRO, EMC case in special colour with mounting plates for individual construction

05809005

Desk-top cases – ServicePLUS

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