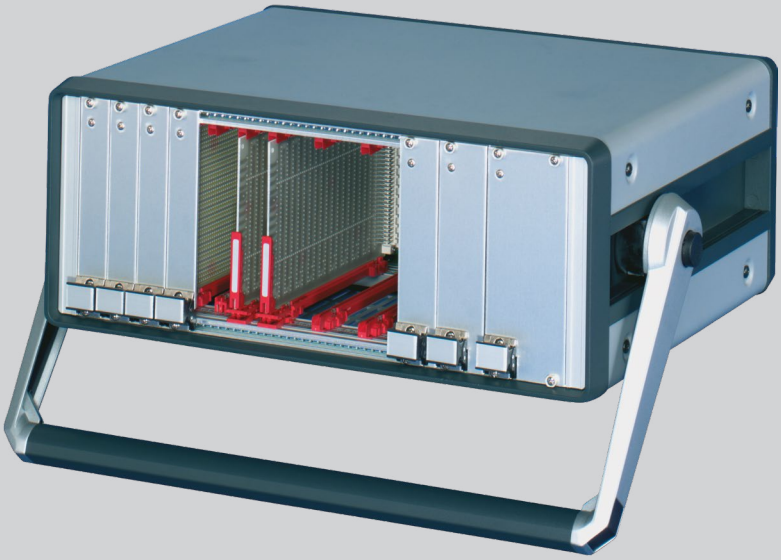
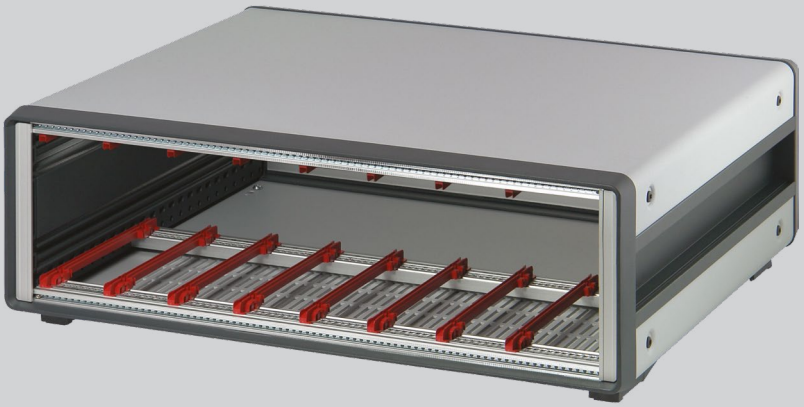




CONNECT AND PROTECT

CompacPRO

nVent
SCHROFF

Desk-top cases – CompacPRO

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

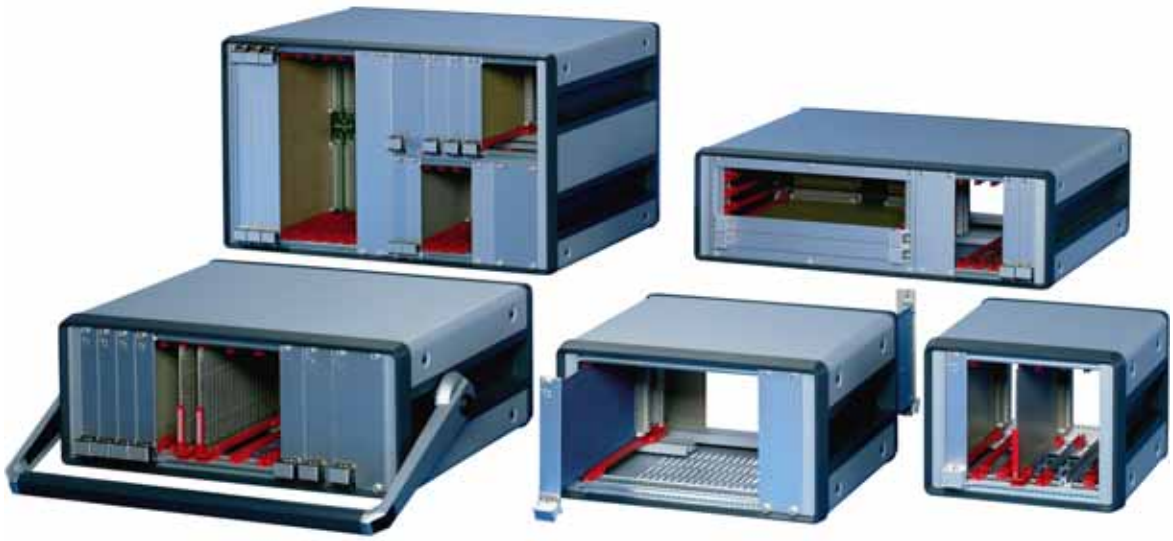
Systems 8

Power supply units 9

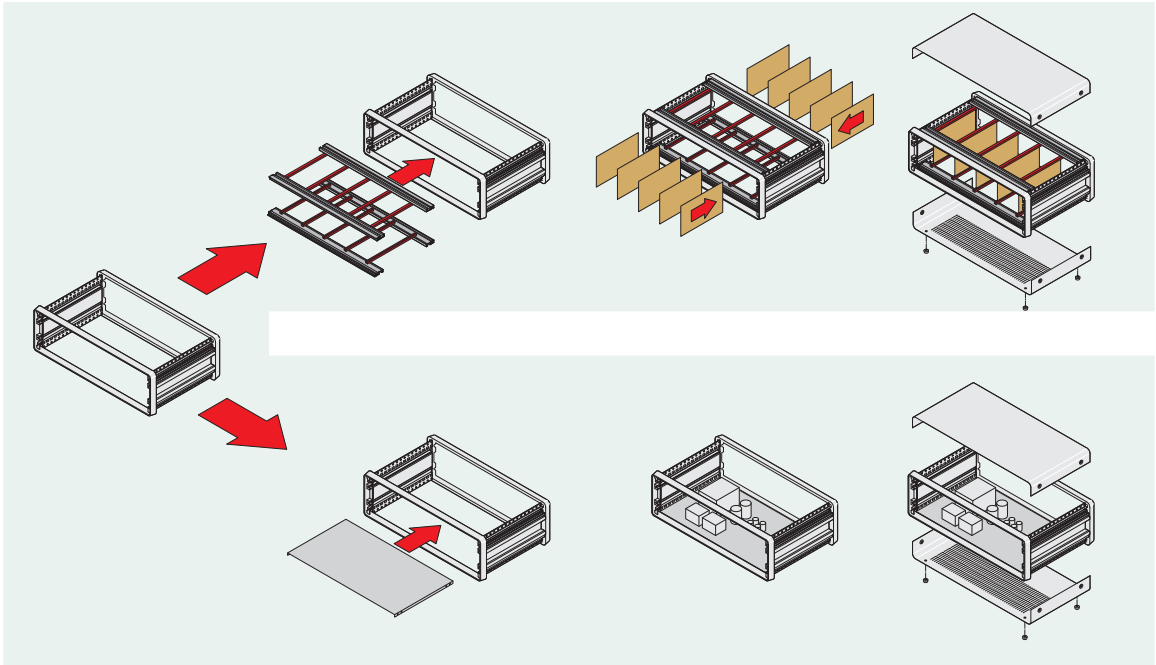
Backplanes 10

Connectors, front panel component system 11

Appendix 12



02004009



02004079

Flexible expansion options, for 19" components e.g. plug-in unit units, or for individual expansion

STANDARDS

- Interior dimensions in accordance with: IEC 60297-3-101
- Type of protection IP 20 in accordance with IEC 60529
- GND/earth connections in accordance with:
  DIN EN 50178 / VDE 0160
  DIN EN 60950 / VDE 0805
  DIN EN 61010-1 / VDE 0411 part 1
  DIN EN 61010-1A2 / VDE 0411 part 1/A12

Desk-top cases – CompacPRO

OVERVIEW

ROBUST DESK-TOP CASE FOR 19" COMPONENTS IN ACCORDANCE WITH IEC 60297-3-10X OR FOR INDIVIDUAL ELECTRONICS ASSEMBLIES

- Front and rear identical, depth-symmetrical construction
- Highly robust thanks to die-cast frame (front/rear)
- Side panel with integrated handle function

DESK-TOP CASES

- **Complete case**
  - Pre-configured case, prepared for 19" components
  - Case height 3 U and 6 U

- **Case**
  - Case height 2 U, 3 U, 4 U and 6 U

02009005 02004006

02004002

EXTENSIVE ACCESSORY RANGE

SERVICEPLUS

e.g. modifications (special colours, special depths, cut-outs in top cover, base plate or side panels)
e.g. assembly service from 1 piece

Overview . . . **5.76**

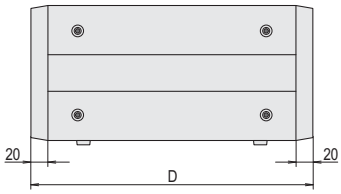
compacPRO
Complete cases 3, 6 U **5.78**
Cases 2, 3, 4 U **5.79**
6 U cases **5.80**

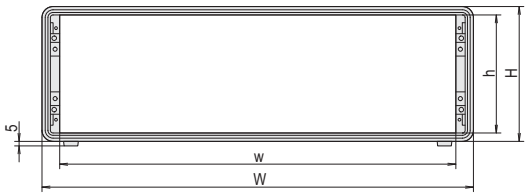
Accessories
Filler angle **5.81**
Cable holder **5.81**
Front panel/rear panel **5.82**
Rear feet **5.83**
Edge protection **5.83**
Hood **5.84**
Front door **5.85**
Handle **5.86**
GND/earthing **5.86**
Feet **5.87**
Horizontal rail **5.88**
Threaded inserts . . **5.90**
Guide rails and ESD clips **5.92**
Mounting plates . . . **5.94**
Combined mounting **5.95**
Horizontal board assembly **5.96**
Air flow barrier **5.97**
Dimensions 5.98

Desk-top cases – CompacPRO

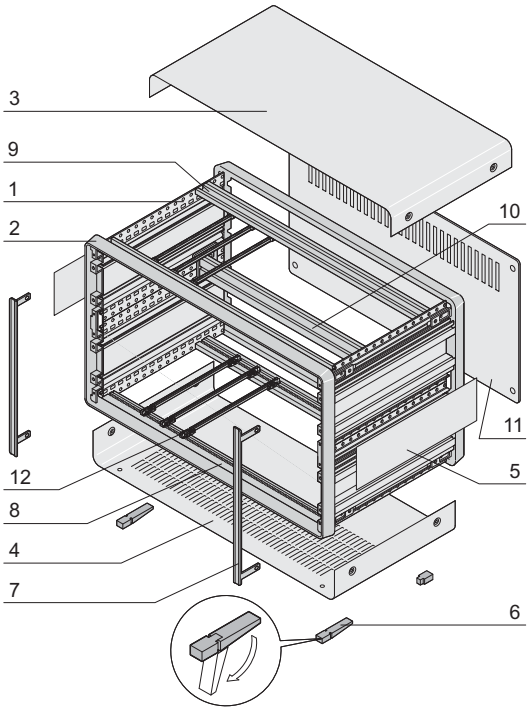
COMPLETE CASES 3 AND 6 U

02009005





02004054



02008050

- Desk-top case with pre-configured components in accordance with IEC 60297-3-101; prepared for 19" components such as plug-in units and euroboards
- For backplane mounting with insulation strips
- Ventilation slots in base plate
- Ventilation slots in rear panel

DELIVERY COMPRISES (Kit, items 1, 2, 6, 8 fitted)

Item	Qty 3 U	Qty 6 U	Description
1	2	4	Side panel, Al extrusion, powder-coated, RAL 7016
2	2	2	Frame, Al die-cast, powder-coated, RAL 7016
3	1	1	Cover plate, Al, 1.5 mm, powder-coated, RAL 9006, with GND/ earthing tag
4	1	1	Base plate with 4 rows of ventilation slots, Al, 1.5 mm, powder-coated, RAL 9006, with GND/earthing tag
5	-	2	Side plate powder-coated, RAL 9006, Al, 0.8 mm
6	4	4	Tip-up foot with anti-slip protection, PA, RAL 7016, UL 94 V-0
7	2	2	Cover bracket, Al extrusion, anodised, cut edges plain
8	2	2	Horizontal rail, Al extrusion, with threaded insert, St, M2.5
9	2	2	Rear horizontal rail, Al extrusion, with threaded insert, St, M2.5 and insulation strip, PBT, UL 94 V-0 (for indirect backplane mounting)
10	-	1	Centre horizontal rail, Al extrusion, anodised, conductive surfaces, with two threaded inserts, St, M2.5 and two insulation strips, PBT, UL 94 V-0
11	1	1	Rear panel with 1 row of ventilation slots, Al, anodised, 2 mm for 28, 42 and 63 HP, 2.5 mm for 84 HP
12	10/ 20	10/ 20	Guide rail for 160 mm board length, PBT, UL 94 V-0, 28/42 HP 10 pieces, 63/84 HP 20 pieces
13	1	1	GND/earthing kit
14	1	1	Assembly kit, also allows the fitting of a full-width front panel

ORDER INFORMATION

Height H U	Width W mm	Depth D mm	Usable width w HP	Usable width w mm	Part no.
3	186	271	28	148	14575-114
3	186	331	28	148	14575-115
3	257	271	42	219	14575-134
3	257	331	42	219	**14575-135**
3	257	391	42	219	**14575-136**
3	364	271	63	326	**14575-154**
3	364	331	63	326	**14575-155**
3	364	391	63	326	14575-156
3	471	271	84	432	**14575-174**
3	471	331	84	432	**14575-175**
3	471	391	84	432	**14575-176**
3	471	511	84	432	**14575-178**
6	471	391	84	432	14575-476
6	471	451	84	432	14575-477

Maximum mounting depth = D - 21 (open space: front panel - rear panel)

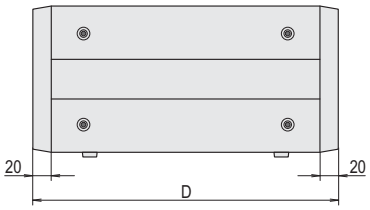
NOTE

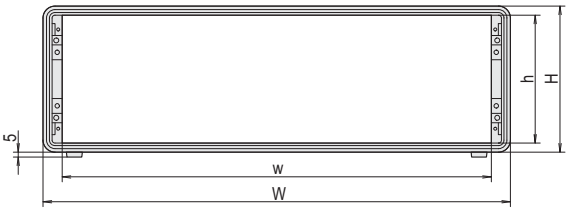
- Dimensions of case, side panel see from page 5.98

Desk-top cases – CompacPRO

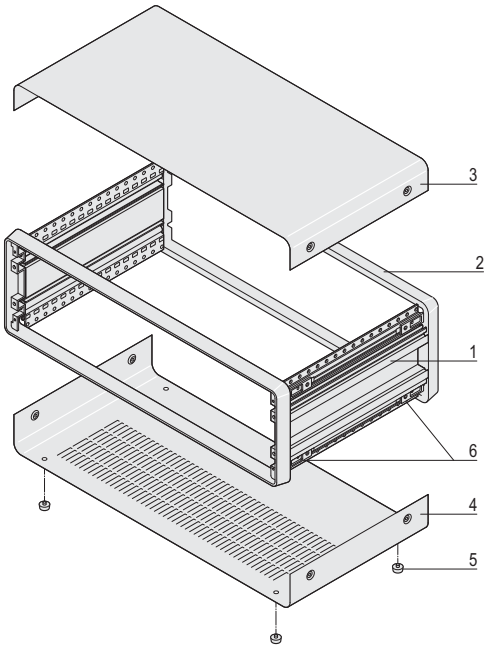
CASES 2, 3 AND 4 U

02004005





02004054



02004053

- Desk-top case, pre-configures, for individual assembly
- For backplane mounting with insulation strips
- Ventilation slots in base plate

DELIVERY COMPRISES (Kit, items 1 and 2 fitted)

Item	Qty	Description
1	2	Side panel, Al extrusion, powder-coated, RAL 7016
2	2	Frame, Al die-cast, powder-coated, RAL 7016
3	1	Cover plate, Al, 1.5 mm, powder-coated, RAL 9006, with GND/ earthing connection
4	1	Base plate with 4 rows of ventilation slots, Al, 1.5 mm, powder-coated RAL 9006, with earthing connection
5	4	Case foot with anti-slip protection, PC, black
6	8	Fixing adaptor for cover plate, prefitted
7	1	Assembly kit, also allows the fitting of a full-width front panel, two cover brackets or a rear panel

ORDER INFORMATION

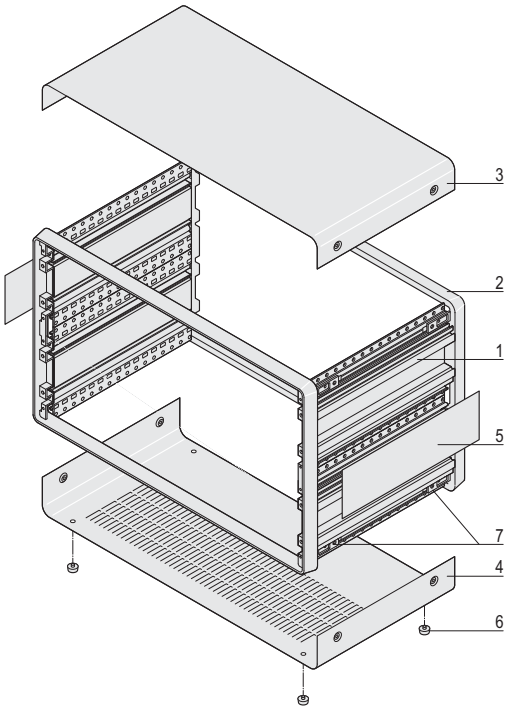
Height	Usable width	Width W	Width w	Height H	Height h	Depth D	Part no.
U	HP	mm	mm	mm	mm	mm	
2	42	257	219	102.6	84.4	271	**14575-023**
2	42	257	219	102.6	84.4	331	**14575-025**
2	42	257	219	102.6	84.4	391	**14575-027**
2	84	471	432	102.6	84.4	271	**14575-063**
2	84	471	432	102.6	84.4	331	**14575-065**
2	84	471	432	102.6	84.4	391	**14575-067**
3	28	186	148	147.1	129.3	271	**14575-103**
3	28	186	148	147.1	129.3	331	14575-105
3	42	257	219	147.1	129.3	271	**14575-123**
3	42	257	219	147.1	129.3	331	**14575-125**
3	42	257	219	147.1	129.3	391	**14575-127**
3	63	364	326	147.1	129.3	271	**14575-143**
3	63	364	326	147.1	129.3	331	**14575-145**
3	63	364	326	147.1	129.3	391	**14575-147**
3	84	471	432	147.1	129.3	271	**14575-163**
3	84	471	432	147.1	129.3	331	**14575-165**
3	84	471	432	147.1	129.3	391	**14575-167**
3	84	471	432	147.1	129.3	451	**14575-169**
3	84	471	432	147.1	129.3	511	**14575-171**
4	42	257	219	191.6	173.8	271	**14575-223**
4	42	257	219	191.6	173.8	331	**14575-225**
4	63	364	326	191.6	173.8	271	**14575-243**
4	63	364	326	191.6	173.8	331	**14575-245**
4	63	364	326	191.6	173.8	391	**14575-247**
4	84	471	432	191.6	173.8	331	**14575-265**
4	84	471	432	191.6	173.8	391	**14575-267**
4	84	471	432	191.6	173.8	451	**14575-269**
4	84	471	432	191.6	173.8	511	**14575-271**

Part number in bold face type: ready for despatch within 2 working days
Part number in normal type: ready for despatch within 10 working days

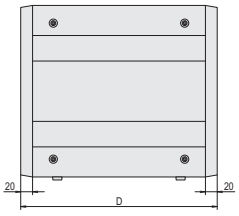
Desk-top cases – CompacPRO

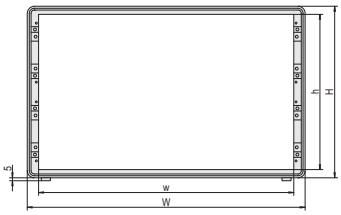
6 U CASES

02004006



02004055





02004056

- Desk-top case, pre-configured, for individual assembly
- For backplane mounting with insulation strips
- Ventilation slots in base plate

DELIVERY COMPRISES (Kit items 1, 2 and 5 fitted)

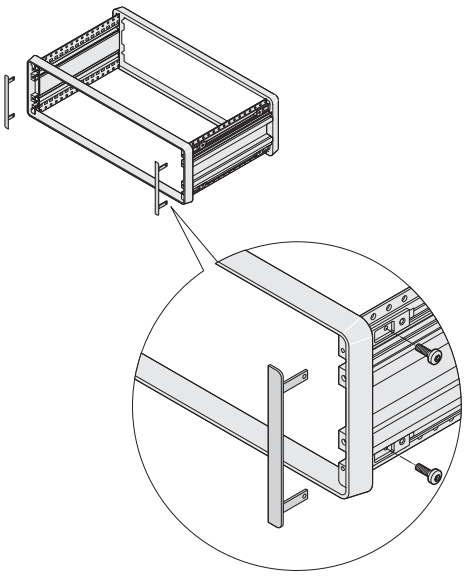
Item	Qty	Description
1	4	Side panel parts, Al extrusion, powder-coated, RAL 7016, 2 x 3 U
2	2	Frame, Al die-cast, powder-coated, RAL 7016
3	1	Cover plate, Al, 1.5 mm, powder-coated, RAL 9006, with GND/earthing tag
4	1	Base plate with 4 rows of ventilation slots, Al, 1.5 mm, powder-coated, RAL 9006, with GND/earthing tag
5	2	Side plate, Al, 0.8 mm, powder-coated, RAL 9006
6	4	Case foot with anti-slip protection, PC, black
7	8	Fixing adaptor for cover plate, prefitted
8	1	Assembly kit also allows the fitting of a full-width front panel, two cover brackets or a rear panel

ORDER INFORMATION

Usable width	Width W	Width w	Height H	Height h	Depth D	Part no.
HP	mm	mm	mm	mm	mm	
63	364	326	280.5	262.9	331	**14575-445**
63	364	326	280.5	262.9	391	**14575-447**
84	471	432	280.5	262.9	271	**14575-463**
84	471	432	280.5	262.9	331	**14575-465**
84	471	432	280.5	262.9	391	**14575-467**
84	471	432	280.5	262.9	451	**14575-469**
84	471	432	280.5	262.9	511	**14575-471**

FILLER ANGLE

02005002



02004062

- To cover the sides of the frame and to create a continuous front plane with plug-in units and partial-width front panels
- This filler angle is recommended when fitting horizontal rails

DELIVERY COMPRISES

Item	Qty	Description
1	2	Filler angle, Al extrusion, anodised, cut edges plain

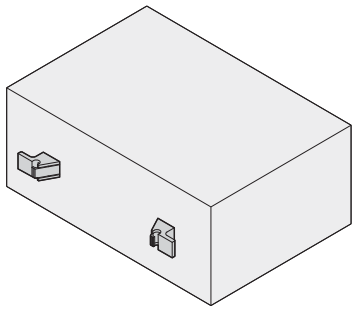
ORDER INFORMATION

Height U	Part no.
2	**24575-019**
3	**24575-119**
4	**24575-219**
6	**24575-419**

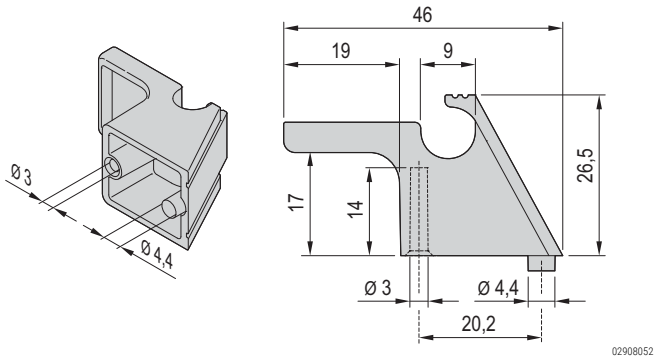
NOTE

- Fixing material is supplied with case

CABLE HOLDER



02908053



02908052

DELIVERY COMPRISES (kit)

Item	Qty	Description
1	2	Cable bracket, 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 bracket are needed in rear panel
3	1	Assembly kit

ORDER INFORMATION

Description	Part no.
Cable holder	**24575-800**

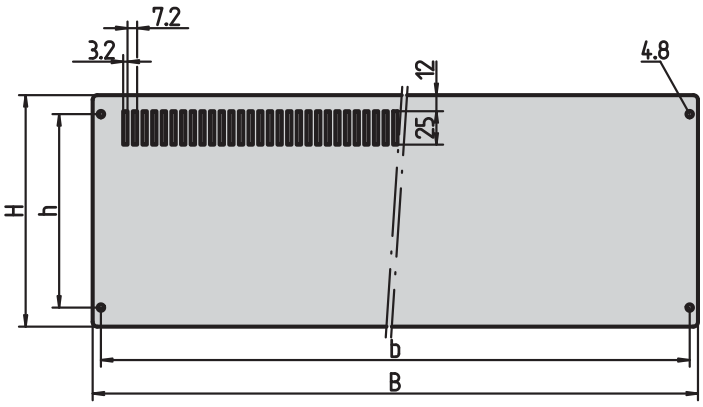
Part number in bold face type: ready for despatch within 2 working days
Part number in normal type: ready for despatch within 10 working days

Desk-top cases – CompacPRO

FRONT PANEL AND REAR PANEL

02005001

Rear panel/front panel



CPA30656

- Front panels and rear panels are screwed on front or rear frame of case

DELIVERY COMPRISES (kit)

Item	Qty	Description
1	1	Rear panel with 4 rows of ventilation slots, Al, anodised, cut edges plain; 28, 42, 63 HP = 2 mm thick; 84 HP = 2.5 mm thick
2	1	Front panel, Al, anodised, cut edges plain, 3 mm thick

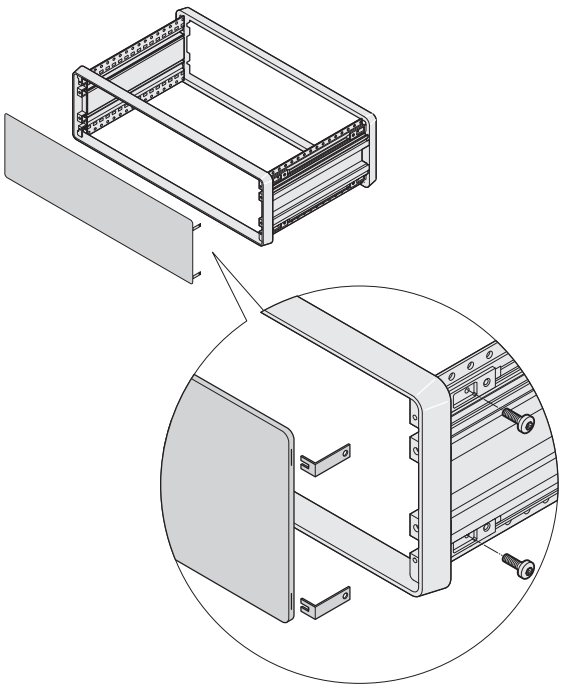
ORDER INFORMATION

Height	Width	Height H	Height h	Width		Rear panel	Front panel
				B	b		
U	HP	mm	mm	mm	mm	Part no.	Part no.
2	42	84	66	238.7	226.3	**30823-015**	**30823-209**
2	84	84	66	452.1	439.7	**30823-512**	**30823-215**
3	28	128.4	100	167.5	155.1	**30823-021**	**30823-254**
3	42	128.4	100	238.7	226.3	**30823-024**	**30823-257**
3	63	128.4	100	345.4	333.1	**30823-027**	**30823-224**
3	84	128.4	100	452.1	439.7	**30823-515**	**30823-260**
4	42	172.9	144.5	238.7	226.3	**30823-033**	**30823-269**
4	63	172.9	144.5	345.4	333.1	**30823-036**	**30823-227**
4	84	172.9	144.5	452.1	439.7	**30823-518**	**30823-272**
6	63	261.8	233.4	345.4	333.1	**30823-045**	**30823-230**
6	84	261.8	233.4	452.1	439.7	**30823-521**	**30823-284**

NOTE

- Assembly kit to fix one rear and one front panel is included with the case
- Cable holder and rear feet, see from page 5.81

FRONT PANEL/REAR PANEL WITH HIDDEN FIXING



02004061

DELIVERY COMPRISES (kit)

Item	Qty	Description
1	1	Front panel, Al, anodised, cut edges plain, 2.5 mm
2	4	Fixing bracket

ORDER INFORMATION

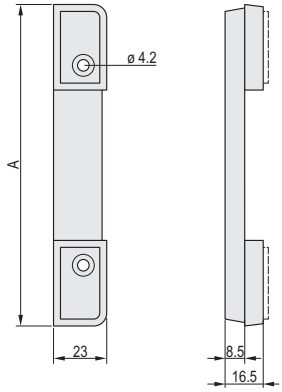
Height	Width	Height H	Height h	Width		Part no.
				B	b	
U	HP	mm	mm	mm	mm	
2	42	84.0	66.0	238.7	226.3	**24575-035**
2	84	84.0	66.0	452.1	439.7	**24575-075**
3	28	128.4	100.0	167.5	155.1	**24575-115**
3	42	128.4	100.0	238.7	226.3	**24575-135**
3	63	128.4	100.0	345.4	333.1	**24575-155**
3	84	128.4	100.0	452.1	439.7	**24575-175**
4	42	172.9	144.5	238.7	226.3	**24575-235**
4	63	172.9	144.5	345.4	333.1	**24575-255**
4	84	172.9	144.5	452.1	439.7	**24575-275**
6	63	261.8	233.4	345.4	333.1	**24575-455**
6	84	261.8	233.4	452.1	439.7	**24575-475**

NOTE

- Cable holder and rear feet see from page 5.81

REAR FOOT WITH RUBBER INSERT

02005004



02004063

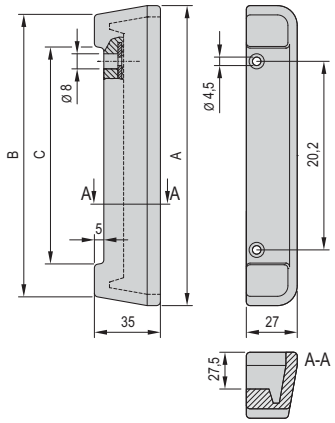
DELIVERY COMPRISES

Item	Qty	Description
1	2	Foot with rubber insert, PC, UL 94 V-0, RAL 7016
2	1	Fixing material

ORDER INFORMATION

For case height U	A mm	Part no.
3	139	**24575-114**
4	183.5	**24575-214**

EDGE PROTECTION/REAR FOOT



02908054

DELIVERY COMPRISES

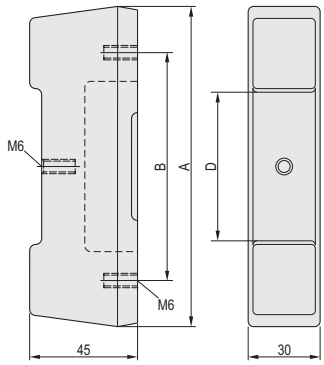
Item	Qty	Description
1	2	Edge protection, PU foam, black
2	1	Assembly kit

ORDER INFORMATION

For case height U	A mm	B mm	C mm	Part no.
3	159.1	114.0	100.0	**20823-675**
4	203.6	159.0	144.5	**20823-676**

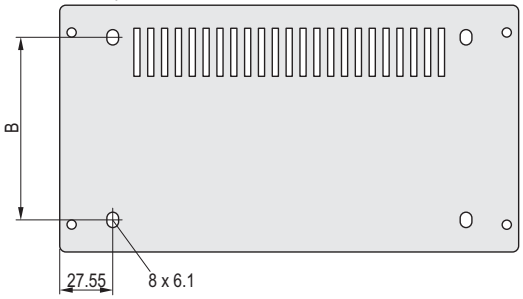
Part number in bold face type: ready for despatch within 2 working days
Part number in normal type: ready for despatch within 10 working days

REAR FOOT FOR HOOD



02004065

Dimensions for modifying the rear panel



02004066

DELIVERY COMPRISES

Item	Qty	Description
1	2	Foot, PU foam, black, 75° shore
2	1	Fixing material

ORDER INFORMATION

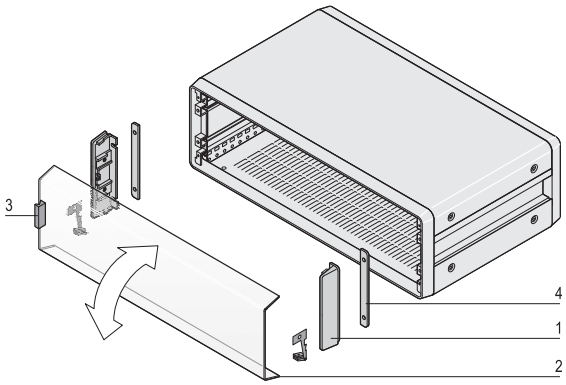
Height U	A mm	B mm	D mm	Part no.
3	133.5	95	65	**20823-668**
4	177.8	139.5	95	**20823-669**

- Rear panel, see page 5.82

Desk-top cases – CompacPRO

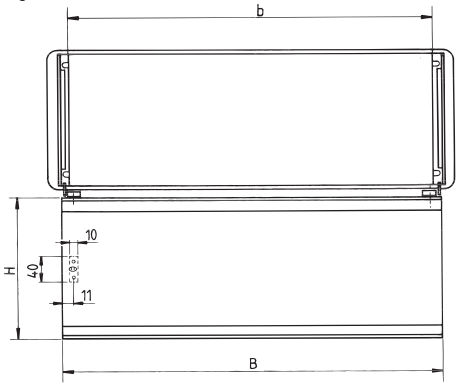
FRONT DOOR, ACRYLIC GLASS, HINGED

02005003

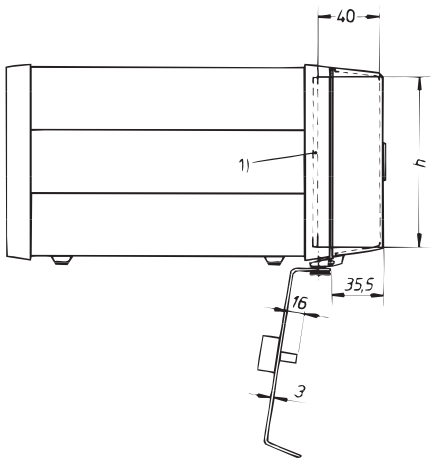


02004069

Front door, hinged



a4-2265



a4-225

1) Front panel

- Assembly of the hinge to top or bottom
- With snap-on latch
- Lock retrofittable

DELIVERY COMPRISES (kit)

Item	Qty	Description
1	2	Side part, Al die-cast, powder-coated, RAL 7016
2	1	Front door, PMMA, tinted blue-grey, acrylic glass, 3 mm
3	1	Snap-on latch, PC, UL 94 V-0, black
4	2	Spacer plate, Al, 3 mm, passivated
5	1	Assembly kit

ORDER INFORMATION

Height U	Width HP	Part no.
3	42	**24575-137**
3	63	**24575-157**
3	84	**24575-177**
Lock for front door cylinder, 2 keys, assembly parts		**21100-647**

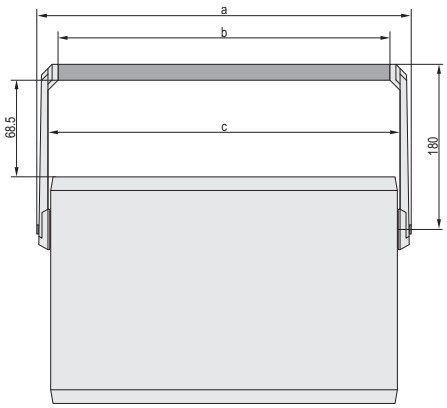
DIMENSIONS TABLE

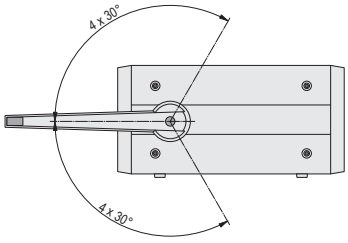
Height U	b TE	H mm	h mm	B mm
3	42	139,50	128,40	229,60
3	63	139,50	128,40	336,40
3	84	139,50	128,40	443,00

Part number in bold face type: ready for despatch within 2 working days
Part number in normal type: ready for despatch within 10 working days

TIP-UP CARRYING HANDLE

02004002





02004080

- With powder-coated handle bar
- Handle bar adjustable in 30 degree increments by pressing button
- Load-carrying capacity 20 kg

DELIVERY COMPRISES (kit)

Item	Qty	Description
1	1	Carrying bar, Al profile, powder-coated, RAL 7016
2	2	Lateral section of handle, Zn die-cast, powder coated, length 180 mm
3	2	Safety insert, St, 1.5 mm, black
4	1	Fixing material incl. drilling template for side panel

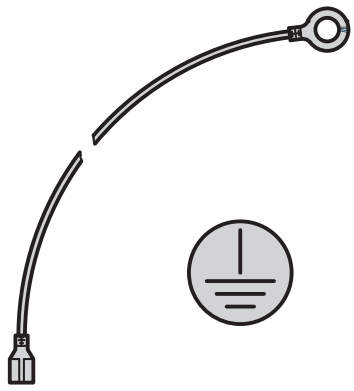
ORDER INFORMATION

For case height U	Width HP	Part no.
2	42	**24575-038**
2	84	**24575-078**
3, 4	28	**24575-118**
3, 4	42	**24575-138**
3, 4	63	**24575-158**
3, 4	84	**24575-178**

DIMENSIONS

Case width HP	a mm	b mm	c mm
28	249.32	180.32	202.72
42	320.44	251.44	273.84
63	427.12	358.12	380.52
84	533.80	464.80	487,20

GND/EARTHING KIT



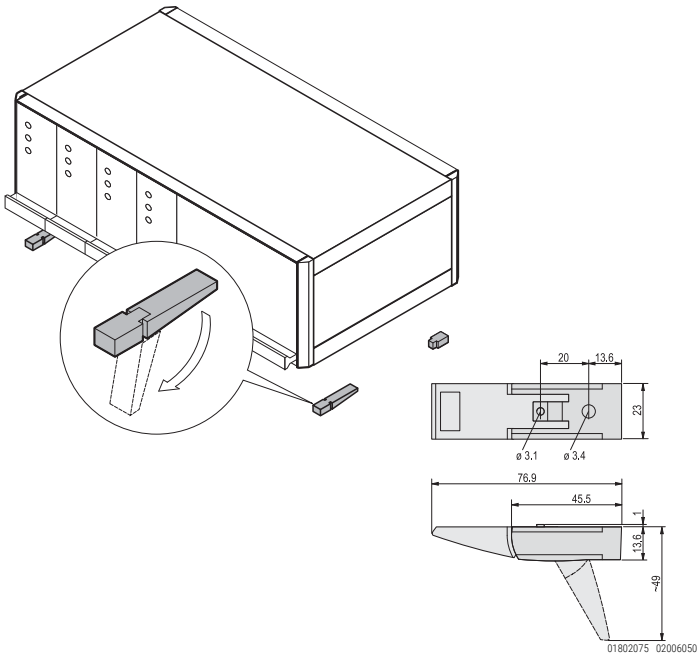
aza43284

- Protective GND/earth connections in accordance with DIN EN 50178/ VDE 0160,
  DIN EN 60950/VDE 0805,
  DIN EN 61010-1/VDE 0411 part 1,
  DIN EN 61010-1A2 /VDE 0411 part 1/A1
  VDE inpection requested

ORDER INFORMATION

Description	Qty/PU	Part no.
GND/earthing kit, CU wire 1.5 mm^2, PVC covered, green/ yellow, links side panel, base plate, cover and rear panel	1	**24575-801**

PLASTIC TIP-UP FEET



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

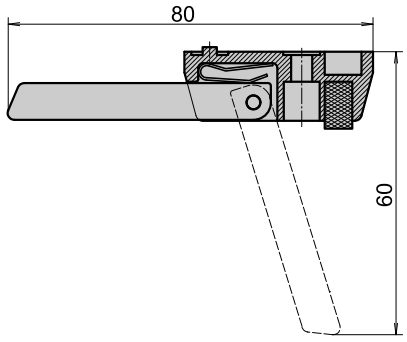
DELIVERY COMPRISES (kit)

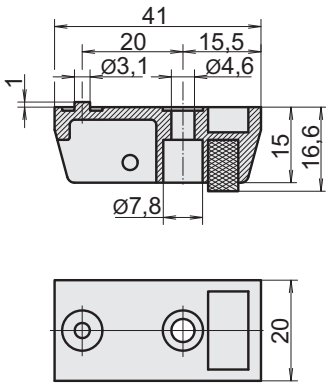
Item	Qty	Description
1	4	Foot, PA, UL 94 V-0
2	4	Anti-slip protection, TPE
3	2	Tip-up device, PA, UL 94 V-0
4	1	Assembly kit

ORDER INFORMATION

Description	RAL 7016 anthracite Part no.	RAL 9006 silver Part no.
Plastic tip-up foot	**20603-002**	**20603-001**

AL DIE-CAST TIP-UP FOOT





- Static load-carrying capacity 50 kg per foot
- Tip-up feet can be used instead of the case feet fitted as standard
- Fixing holes provided in bottom of case

ORDER INFORMATION

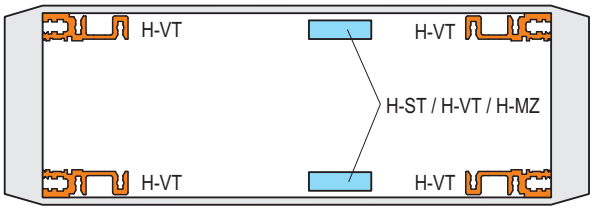
Description	Qty	Part no.
Foot without tip-up, Al die-cast, silver	1 piece (SPQ 10)[1)]	**10603-001**
Foot with tip-up, Al die-cast, silver	1 piece (SPQ 10)[1)]	**10603-002**
Accessories		
Cheesehead screw with slot M4 x 12, St, zinc-plated, PU 100 pieces		**21101-211**
Hexagon nut M4, St, zinc-plated,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

1) Delivery is exclusively in Standard Pack Quantity (SPQ):
Please order at least 10 pieces or a multiple. Pricing is per individual item.

Part number in bold face type: ready for despatch within 2 working days
Part number in normal type: ready for despatch within 10 working days

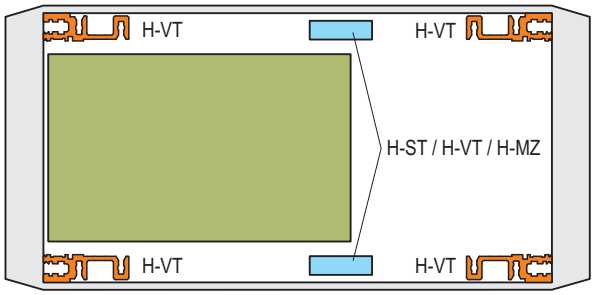
MOUNTING POSITION HORIZONTAL/CENTRAL RAIL

Case, 2 U



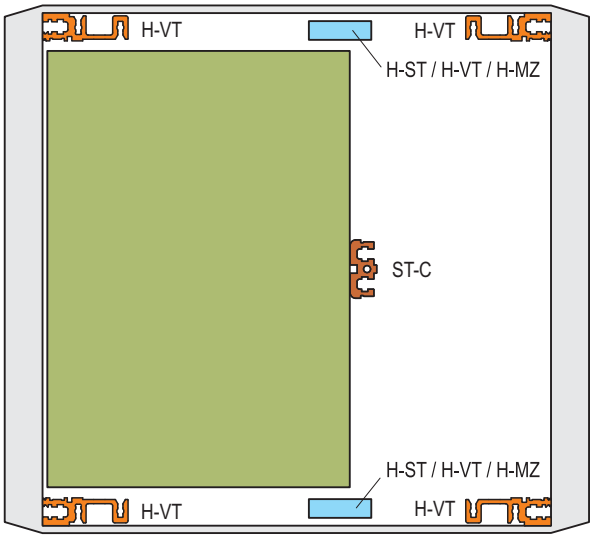
02004073

Case, 3 U + 4 U



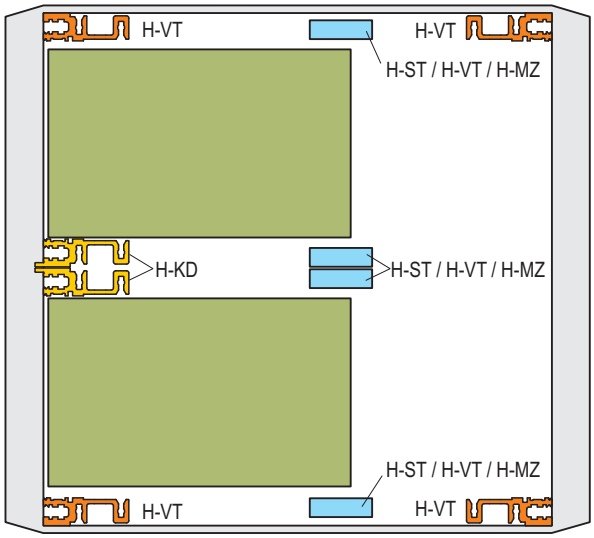
02004074

Case, 6 U



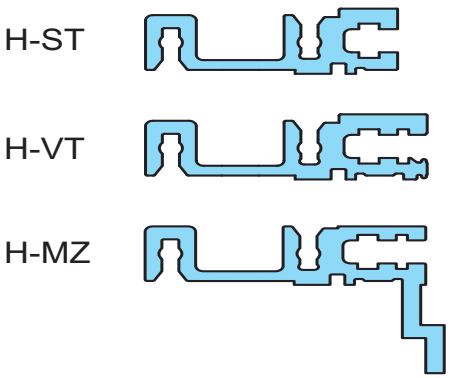
02004076

Case 2 x 3 U (6 U)



02004077

Horizontal rails



02004078

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
	04400001	04400002	04400003	
	"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 contact surface, with printed HP markings	Al extrusion, anodised finish, conductive contact surface, with printed HP markings	Al extrusion, anodised finish, conductive contact surface, with printed HP markings	Al extrusion, anodised finish, conductive contact surface, with printed HP markings
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)]
28	147.32	**34560-528**	**34560-728**	**34560-928**	**34560-228**
42	218.44	**34560-542**	**34560-742**	**34560-942**	**34560-242**
63	325.12	**34560-563**	**34560-763**	**34560-963**	**34560-263**
84	431.80	**34560-584**	**34560-784**	**34560-984**	**34560-284**
Torx countersunk screw, , M4 × 14, St, zinc-plated, PU 100 pieces		**24571-371**	**24571-371**	**24571-371**	**24571-371**
Torx countersunk screw, , M4 × 10, St, zinc-plated, required if guide rail is screwed to slot 1, PU 100 pieces		–	–	**24571-372**	**24571-372**
Z-rail for connector mounting without insulation strip see page		5.91	–	–	–
Insulation strips see page		–	5.90	–	–
Threaded inserts see page		5.90	5.90	5.90	5.90

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

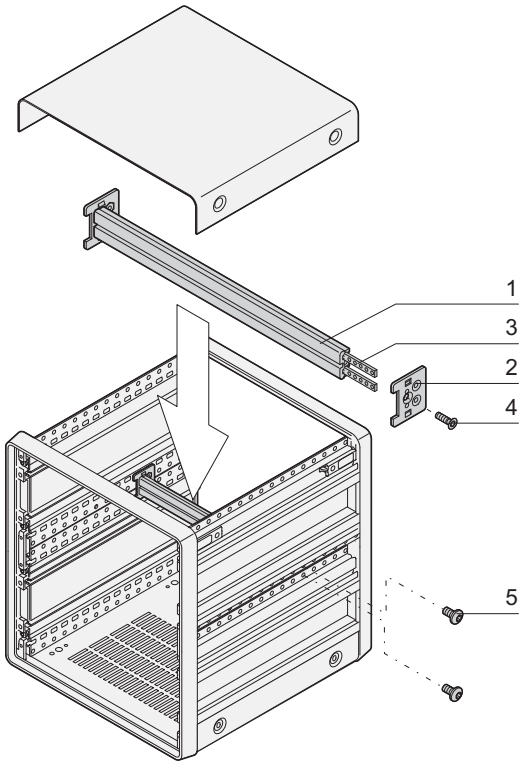
NOTE

- Further horizontal rails, see from page 6.27
- Fitting options, see page 5.88

Part number in bold face type: ready for despatch within 2 working days
Part number in normal type: ready for despatch within 10 working days

Desk-top cases – CompacPRO

HORIZONTAL RAIL, CENTRE, TYPE ST-C



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

DELIVERY COMPRISES (Kit, items 1 to 4 are pre-mounted)

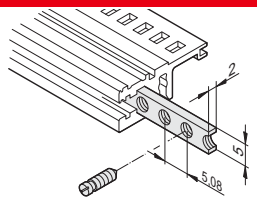
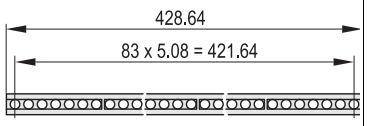
Item	Qty	Description
1	1	Horizontal rail, Al extrusion, anodised, contact surfaces conductive
2	2	Adaptor plate, Al
3	2	Threaded insert, M2.5, St, zinc-plated
4	2	Countersunk screw, M4 x 14
5	4	Panhead screw, M4 x 6

ORDER INFORMATION

Usable width HP	Length mm	Part no.
63	325.1	**24575-454**
84	431.8	**24575-474**

THREADED INSERTS, PERFORATED STRIPS, INSULATION STRIPS

ORDER INFORMATION

	Threaded insert M2.5	Threaded insert M3	Insulation strip
	 06103056 required for fixing the front panel to the horizontal rail; St, zinc-plated; Use collar screw 12.3 mm, see page 6.64		 BZ6749 for insulated mounting of backplane; PBT UL 94 V-0, grey

Usable length HP	Threaded insert Length mm	1 piece (SPQ 10)[1]	1 piece (SPQ 10)[1]	Insulation strip Length mm	PU 10 pieces
28	146.82	**34561-328**	–	144.20	**24560-828**
42	217.94	**34561-342**	–	210.40	**24560-842**
63	324.62	**34561-363**	–	316.88	**24560-863**
84	431.30	**34561-384**	**34561-484**	428.64	**24560-884**

Accessories

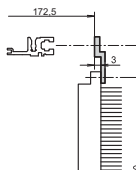
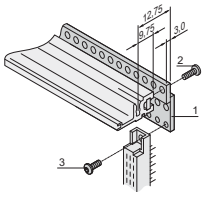
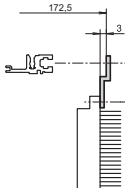
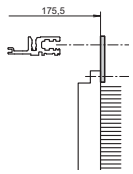
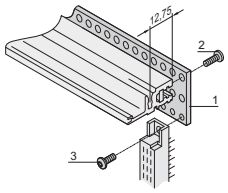
Grub screw M2.5 x 8, PU 100 pieces	**21100-276**	–		–
Grub screw M3 x 8, PU 100 pieces	–	**21100-646**		–

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

Z-RAILS, PERFORATED RAILS

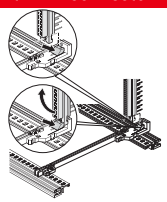
ORDER INFORMATION

		Z-rail for connectors DIN EN 60603-2, DIN 41612 item 1	Z-rail for connectors 31-pin, DIN 41617	Perforated rail EN 606032, DIN 41612 item 1
		 BZA45849  06708063 for connector mounting on ST horizontal rails, please order threaded insert and screw separately	 BZA45850 for connector mounting on ST horizontal rails, please order threaded insert and screw separately	 BZA45848  06708051 for connector mounting on VT horizontal rails, please order threaded insert and screw separately
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 x 7, PU 100 pieces		**24560-147**	**24560-147**	**24560-147**
Item 2, Torx panhead screw, to fix perforated rails to horizontal rail, M2.5 x 10, PU 100 pieces		**24560-148**	**24560-148**	**24560-148**

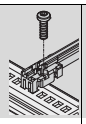
Part number in bold face type: ready for despatch within 2 working days
Part number in normal type: ready for despatch within 10 working days

GUIDE RAILS FOR PLUG-IN UNITS AND MODULES, ONE-PIECE, GROOVE WIDTH 2 MM AND 2.5 MM

ORDER INFORMATION

			For plug-in units and frame type plug-in units	
			standard	standard, with DIN connector fixing
Assembly - can be clipped into Al extruded horizontal rails - can be clipped into 1.5 mm thick plates Storage temperature from -40 °C ... 130 °C			 06102002 up to 220 mm length, PBT, UL 94 V-0; from 280 mm length, multi-piece, end piece PBT, UL 94 V-0, central section Al extrusion	 06101501 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 length	Groove width	Colour		
mm	mm	mm	PU 10 pieces	1 pair (SPQ 10)[1)]
70	2	red	–	–
70	2	grey	–	–
160	2	red	**24560-351**	**64560-074**
220	2	red	**24560-353**	**64560-075**
280	2	red	**24560-379**	–
340	2	red	**24560-380**	–
160	2.5	red	–	–
220	2.5	red	–	–
Dimension drawings see page			6.40	6.40

Accessories

Retention screw, PU 100 pieces 	**24560-141**	**24560-141**
ESD clip, PU 50 pieces	**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

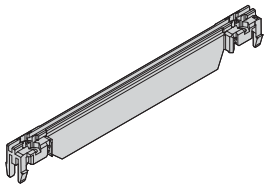
2) Part no. includes one packing unit (PU); delivery is exclusively made in PU

Description of accessories see from page 6.41

Desk-top cases – CompacPRO

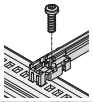
GUIDE RAILS TYPE "ACCESSORY", ONE-PIECE, GROOVE WIDTH 2 MM AND 2.5 MM

ORDER INFORMATION

	Guide rails type accessory	accessory, strengthened	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 plate Storage temperature from -40 °C ... +130 °C	 06102002 up to 280 mm length, PBT, UL 94 V-0; > 280 mm length, multi-piece, end piece PBT, UL 94V-0, middle section Al extrusion	 bza46554 PBT UL 94 V-0, red support beam of guide rails adds to strengthening	 06102005 Al extrusion; is screwed to horizontal rail "heavy" with retention screws

Board length mm	Groove width mm	Colour mm	PU 10 pieces	1 piece (SPQ 50)	1 piece (SPQ 10)[1]
100	2	red	–	–	–
160	2	red	**24560-373**	**64560-076**	–
160	2	grey	–	–	**34562-881**
220	2	red	**24560-374**	**64560-078**	–
220	2	grey	–	–	**34562-882**
280	2	red/silver	**24560-375**	**64560-080**	**34562-883**
340	2	red/silver	**24560-376**	–	**34562-884**
400	2	red/silver	–	–	**34562-885**
160	2.5	silver	–	–	**34564-881**
220	2.5	silver	–	–	**34564-882**
280	2.5	silver	–	–	**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	**24560-255**	**24560-255**	–
Board locking C, red, PU 10 pieces	**24560-377**	**24560-377**	–
Board handleC , red, PU 10 piecesdescription	**24560-378**	**24560-378**	–
Identification strips for board handle, red, PU 1 sheet = 438 pieces	**60817-228**	**60817-228**	–
Coding see page	see page 6.41		–

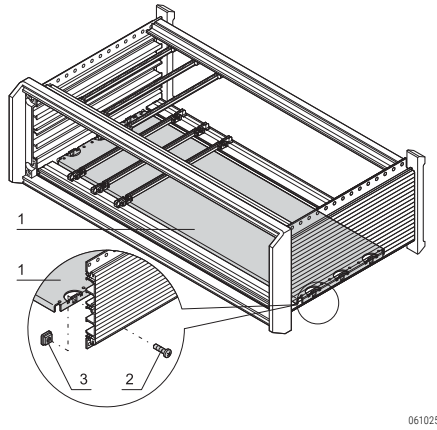
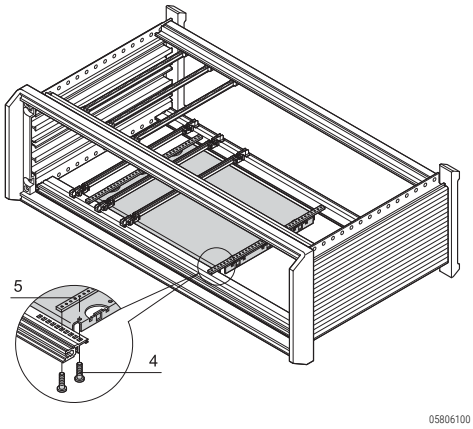
1) SPQ (standard pack quantity): Order number includes 1 piece, but delivery is exclusively made in standard pack quantity (SPQ); please order at least the SPQ quantity or a multiple thereof

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

Further guide rails see page 6.35

MOUNTING PLATES

ORDER INFORMATION

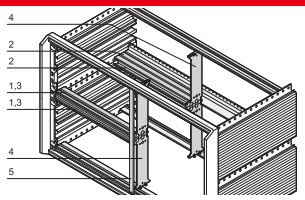
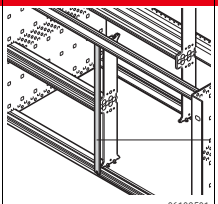
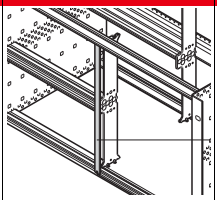
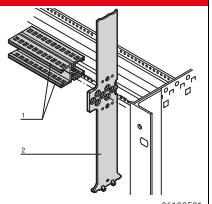
			Mounting plate for fixing of heavy components	
			Mounting plate over **full width**: mounting is onto the side panels; mounting plate over **partial width**: mounting is onto one side panel and fixing strip or onto 2 fixing strips	Assembly strip for partial widths
				
			Al, 1.5 mm; for mounting over partial width, please order assembly strips separately	St, 2 mm, zinc-plated; is bolted from front to rear onto the horizontal rails; to fix mounting plates
Width W		Board length		
HP	W	mm		
28	146.88	160	**34562-745**	**30840-021**
28	146.88	220	**34562-749**	**30840-033**
28	146.88	280	**34562-753**	**30840-045**
28	146.88	340	**34562-757**	**30840-057**
42	217.99	160	**34562-746**	**30840-021**
42	217.99	220	**34562-750**	**30840-033**
42	217.99	280	**34562-754**	**30840-045**
42	217.99	340	**34562-758**	**30840-057**
63	324.67	160	**34562-747**	**30840-021**
63	324.67	220	**34562-751**	**30840-033**
63	324.67	280	**34562-755**	**30840-045**
63	324.67	340	**34562-759**	**30840-057**
84	431.35	160	**34562-748**	**30840-021**
84	431.35	220	**34562-752**	**30840-033**
84	431.35	280	**34562-756**	**30840-045**
84	431.35	340	**34562-760**	**30840-057**
Assembly kit for mounting plate PU 1 kit (Torx countersunk screw M4 x 5, St, zinc-plated, 12 pieces; screw M4 x 6, St, zinc-plated, 10 pieces; M4 square nut, St, zinc-plated, 10 pieces)			**24560-184**	–
Assembly kit for assembly strips of mounting plate, Torx screw M2.5 × 5, St, zinc-plated, PU 100 pieces M2.5 × 5, St, zinc-plated, PU 100 pieces			–	**24560-146**

NOTE

- For installation and assembly of heavier components
- The mounting plate is as wide as the case and is fixed to the side panels
- A guide rail can be mounted on the first and last slot positions
- 4.4" and "strengthened" guide rails cannot be used

COMBINED MOUNTINGS (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 6	front panel for textile EMC gasket, 6 U, 2 HP item 6	Splitting extrusion for combined mounting Item 2
	 bza45819	 06102501	 06102501	 06102501
05806108	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 6: front panel 2 HP, 6 U, shielded; with EMC stainless steel gasket (84:0 without items 4, 6)	Al, 2.5 mm, front anodised, rear iridescent green chromated	Al, 2.5 mm, U-profile with notch, 6 U, 2 HP	6 U, die-cast zinc; 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 piece (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 fixing splitting extrusion/horizontal rail	–	–	–	**24560-145**
Panhead screw M2.5 x 10, St, zinc-plated, PU 100 pieces finxing 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)

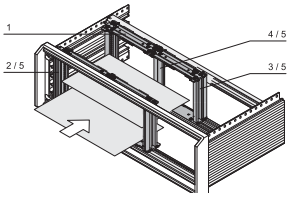
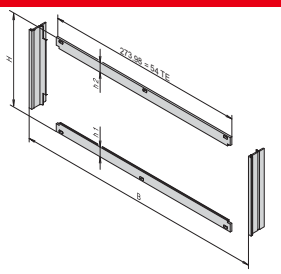
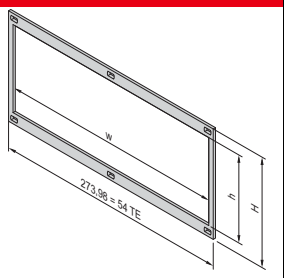
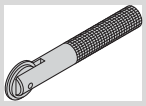
NOTE

- Please order perforated strips for horizontal rails separately, see page 5.90
- Please order rear centre horizontal rail separately, see page 5.89

Part number in bold face type: ready for despatch within 2 working days
Part number in normal type: ready for despatch within 10 working days

HORIZONTAL BOARD INSTALLATION

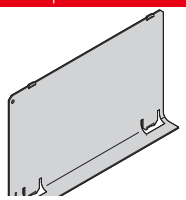
ORDER INFORMATION

			Horizontal board installation		
			Board cage	Front frame for EMC shielding	Front frame, unshielded
			 05806091	 bpa45913	 bza43061
H = usable height (1 TE = 1 HP, 1 HE = 1 U) 05806092			Struts die-cast zinc; horizontal rails front and rear; threaded insert, St, zinc-plated; fixing material kit; for horizontal mounting of double-height euroboards in 3 or 4 U high subracks/cases; 54 HP space required; **please order front frame for EMC shielding separately**	2 horizontal covers, Al 2.5 mm, front anodised, rear iridescent green chromated; 2 vertical trims, Al extrusion, clear passivated; stainless steel EMC gasket; front frame forms the contact between subrack and the sub-assemblies	Al, 2.5 mm, clear anodised; front frame with cut-out, clear internal width w = 266.35 mm
Height U	Usable height h HP	Other dimensions and options Horizontal rail, front Horizontal rail, rear	PU 1 kit	PU 1 kit	1 piece
3	20		**24564-117**	**24564-109**	34564-108
3	20		**24564-118**	**24564-109**	34564-109
4	28		**24564-217**	**24564-209**	**34564-208**
Assembly tool, for mounting the EMC gasket (stainless steel)			–	**24560-270**	–

* For direct backplane mounting

AIR BAFFLE FOR SLOTS

ORDER INFORMATION

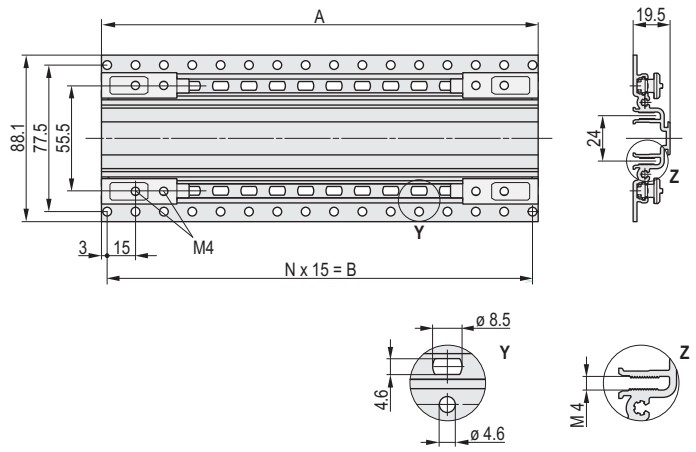
			Air baffle without front panel
			 06108085 Al, 1 mm, incl. assembly kit; prevents an air short circuit in unoccupied slot positions; is pushed into the groove of the guide rails
			06101507
Depth mm	Width HP	Height U	1 piece
160	4	3	**34562-823**
160	4	6	
160	8	3	**34562-833**
160	8	6	**34562-836**
160	12	3	**34562-843**
160	12	6	**34562-846**
220	4	3	**34562-824**
220	4	6	34562-827
220	8	3	34562-834
220	8	6	34562-837
220	12	3	34562-844
220	12	6	34562-847

Part number in bold face type: ready for despatch within 2 working days
Part number in normal type: ready for despatch within 10 working days

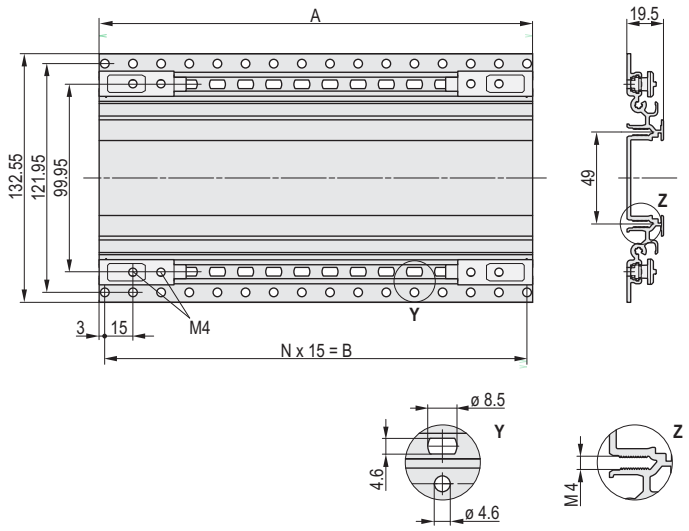
Desk-top cases – CompacPRO

DIMENSIONS

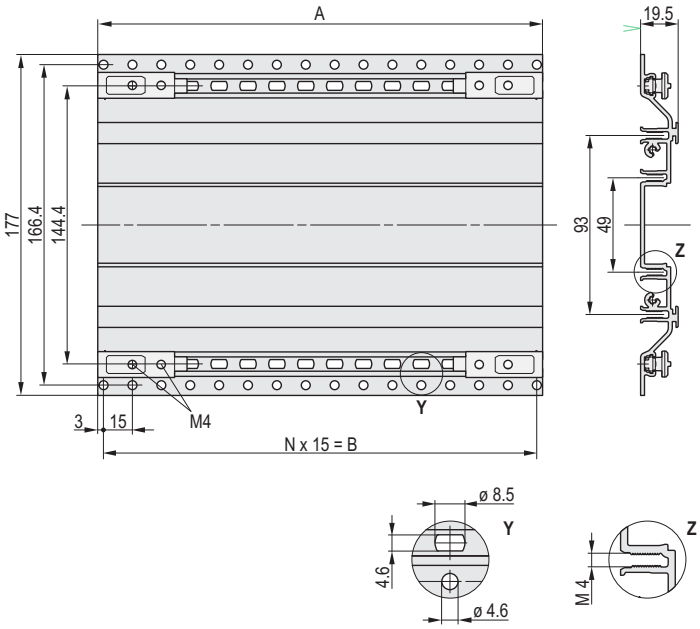
Extruded side panel 2 U



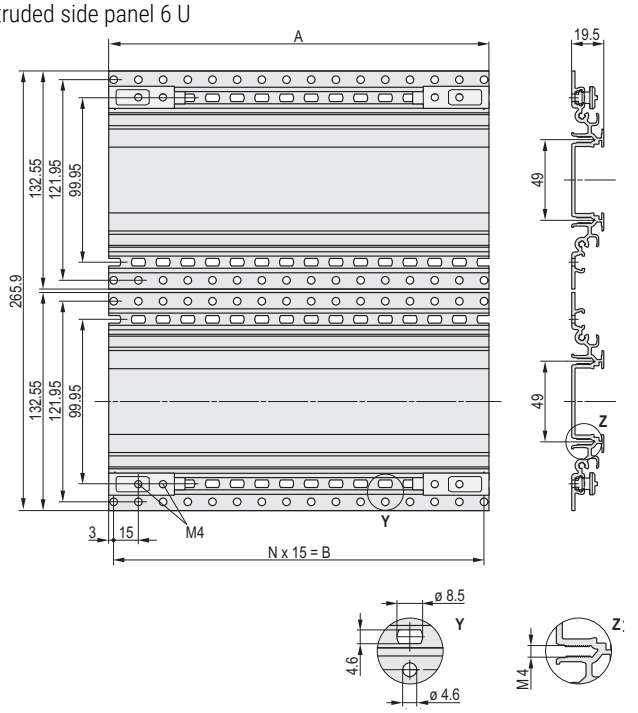
Extruded side panel 3 U



Extruded side panel 4 U



Extruded side panel 6 U



Dimensions

For case depth	Max. mounting depth	Dimensions	
mm	mm	A in mm	B in mm
271	250	231	15 15 = 225
331	310	291	19 15 = 285
391	370	351	23 15 = 345
451	430	411	27 15 = 405
511	490	471	31 15 = 465

Note

Side panel for 6 U case consists of two 3 U extruded side panels

Desk-top cases – CompacPRO

Desk-top cases – Introduction

CASE TYPES: DESK-TOP ENCLOSURE/19" CASE

01810002

Desk-top enclosure, ratiopacPRO

02202004

19" case, comptec

Desk-top enclosures

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

The choice is yours:

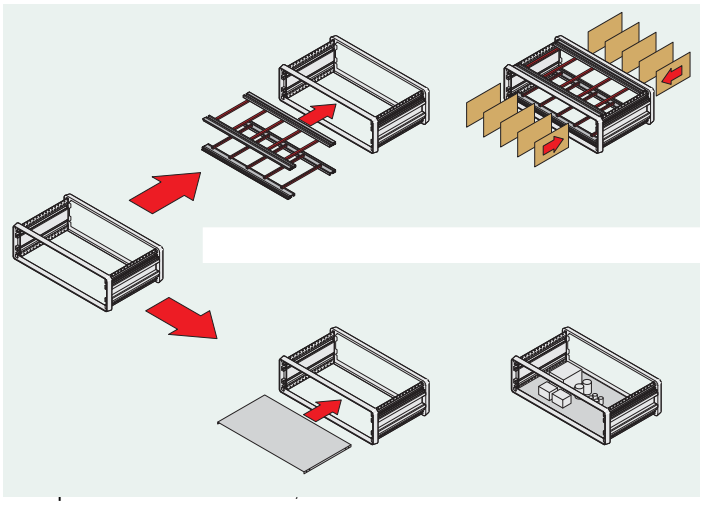
- ratiopacPRO, the universal case with 19" compatible dimensions and high EMC shielding,
  e.g. for CompactPCI and VME64x applications
- propacPRO, the robust case with high EMC shielding for 19"-compatible or custom electronics assemblies
- compacPRO, Desk-top or portable case for unshielded applications

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

003

- 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.

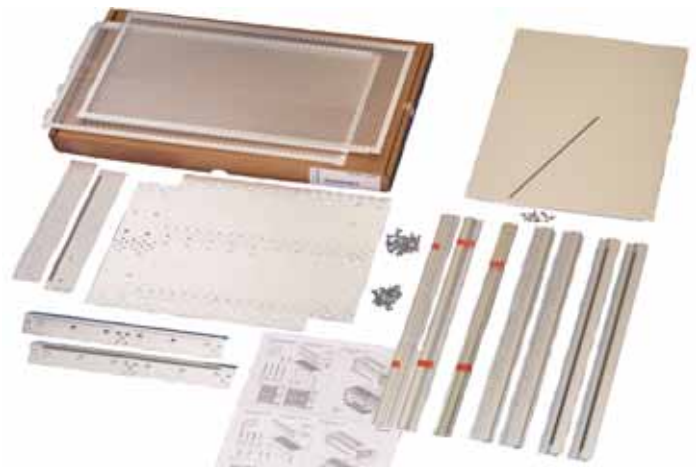
  The intelligent design of all components results in an astonishingly quick and easy assembly of the components.

  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



06104001

Flat pack delivery to save space

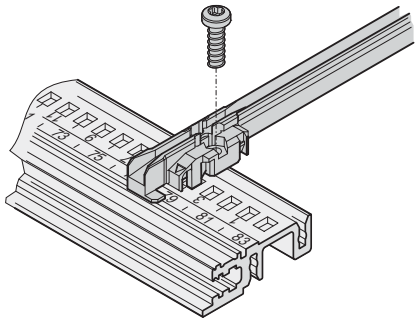
Supplied in space-saving packs. Simply unpack parts and screw together - done.

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



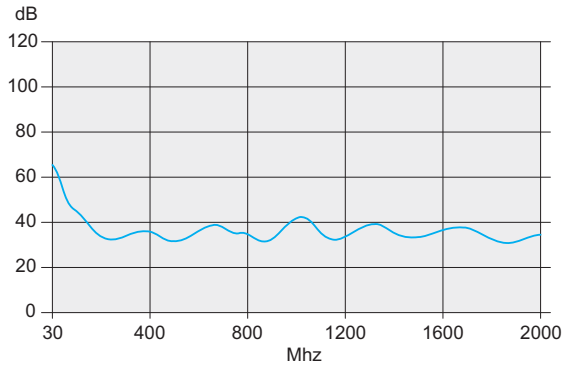
06108084

- 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.

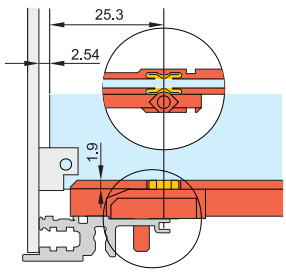
  Guide rails can also be screwed on.

EMC AND ESD



06108081

Shielding



04503050

Position of the ESD clip

- 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

Part number in bold face type: ready for despatch within 2 working days
Part number in normal type: ready for despatch within 10 working days

Desk-top cases – ServicePLUS

Application examples

01809001

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

01809003

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

02009001

Application: compacPRO case, modified

02009003

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

02009002

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

02009004

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

02109001

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

05809005

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

Desk-top cases – ServicePLUS

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
Tel +81 45 476 0271

Our powerful portfolio of brands:

CADDY ERICO HOFFMAN RAYCHEM SCHROFF TRACER

nVent

nVent.com/SCHROFF

©2018 nVent. All nVent marks and logos are owned or licensed by nVent Services GmbH or its affiliates. All other trademarks are the property of their respective owners.
nVent reserves the right to change specifications without notice.