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plug-in units 7

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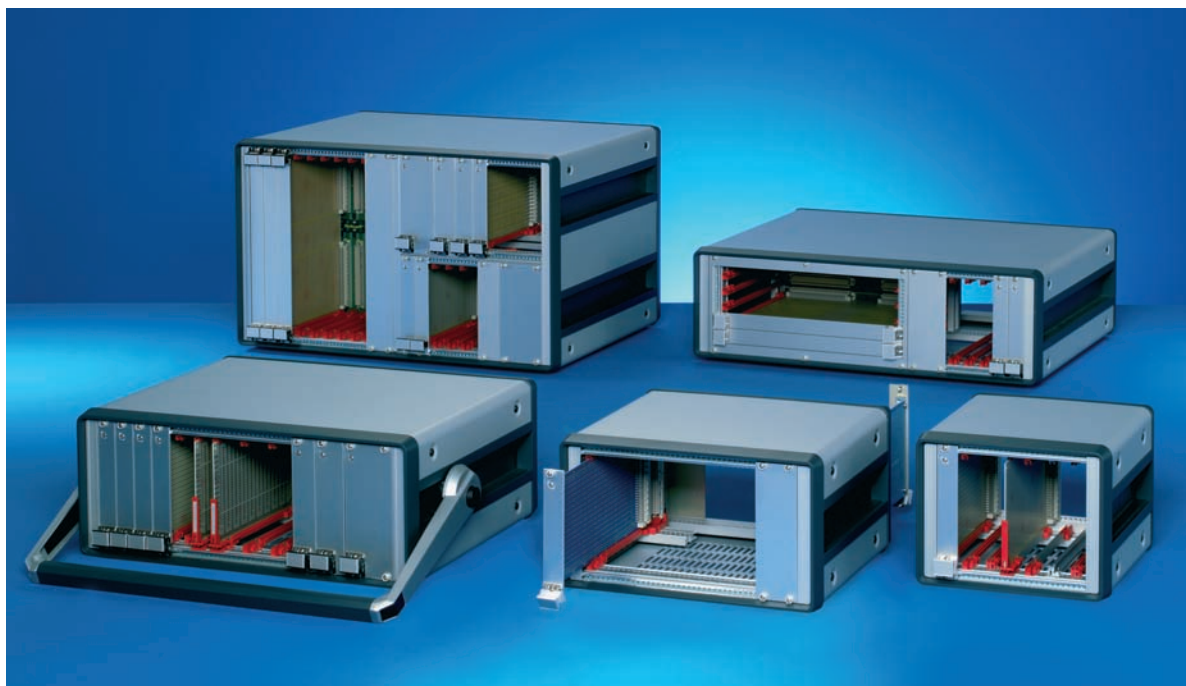
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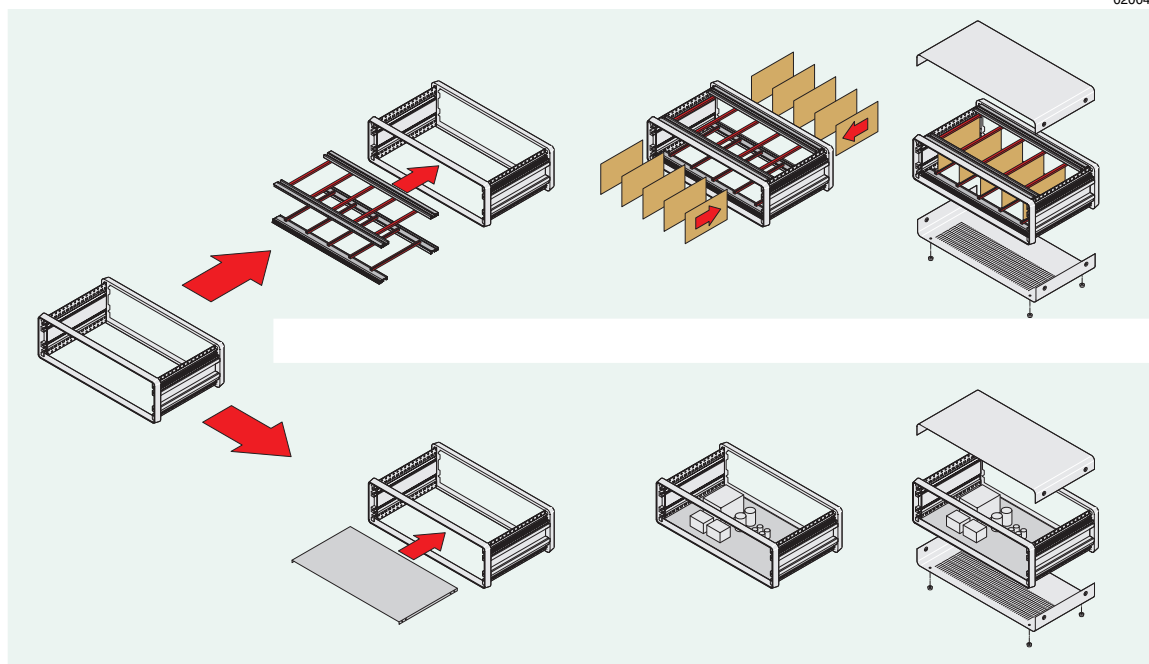
Connectors, front
panel component
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Appendix 12

Desk-top cases - *compacPRO*



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
- 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



Downloads and further important information can be found
on the Internet under www.schroff.biz



Desk-top cases - *compacPRO*

Overview 5.72

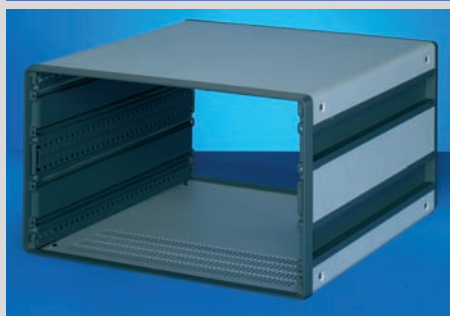
The robust desk-top enclosure for 19" components or individual electronics assemblies

- Front and rear identical, depth-symmetrical construction
- Wide range of versions and extensive accessory programme focussed on mobile applications
- Simple fitting and flexible assembly options



Desk-top enclosures

- **Complete case**
 - Prefitted cases, prepared for 19" systems
 - Case heights 3 U and 6 U



- **Cases**
 - Case heights 2 U, 3 U, 4 U and 6 U



Extensive accessory range

compacPRO

Complete cases	
3, 6 U	5.74
Cases 2, 3, 4 U	5.75
Case 6 U	5.76

Accessories

Filler angle	5.77
Cable holder	5.77
Front panels/ rear panels	5.78
Rear feet	5.79
Tip-up protection	5.79
Hoods	5.80
Front doors	5.81
Handles	5.82
GND/earthing	5.82
Feet	5.83
Horizontal rails	5.84
Threaded inserts	5.86
Guide rails and ESD clips	5.88
Mounting plates	5.90
Dimensions	5.91



ServicePLUS from page 5.110

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

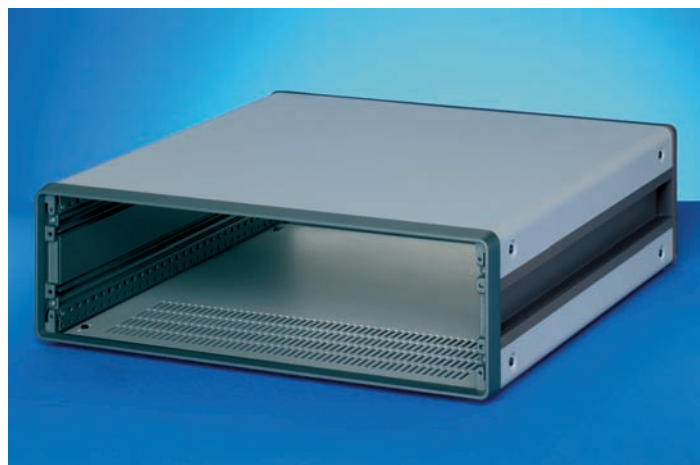
www.schroff.biz/serviceplus/

ServicePLUS . 5.110



Desk-top cases - *compacPRO*

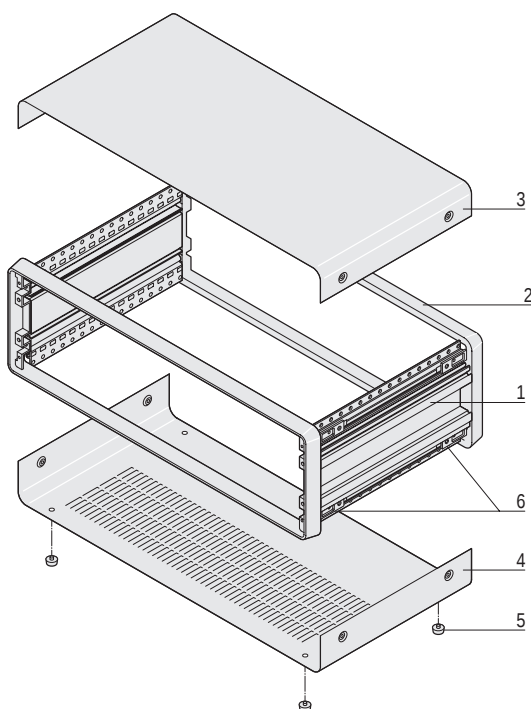
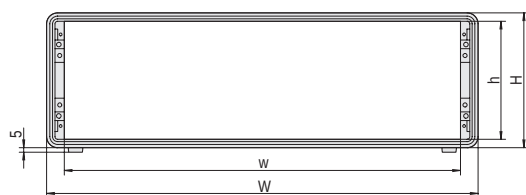
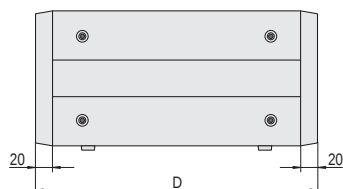
Case 2, 3 and 4 U



- Desk-top enclosure, prefitted, for individual assembly
- For backplane mounting with insulation strips
- Ventilation slots in base plate

Delivery comprises (kit, item 1 and 2 assembled)

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 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	Cover plate fixing adapter, prefitted
7	1	Assembly kit, additionally allows mounting of a full-width front panel, two cover brackets or a rear panel



Order Information

Height U	Usable width HP	Width W mm	Width w mm	Height H mm	Height h mm	Depth D mm	Part no.
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



For further information www.schroff.biz/oneclick
oneClick search code = Part no.



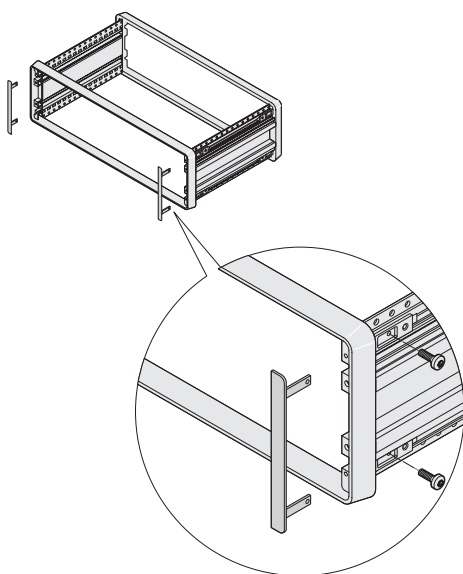
ServicePLUS see page 5.110

Desk-top cases - *compacPRO*

Filler angle



02005002



02004062

- For lateral covering of the frame and to set up a consistent front level with front panels and plug-in units

Delivery comprises

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

Order Information

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

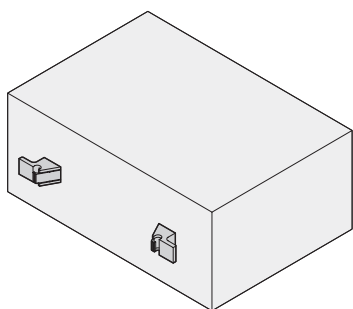
Note

- The delivery of the cases is inclusive of an assembly kit

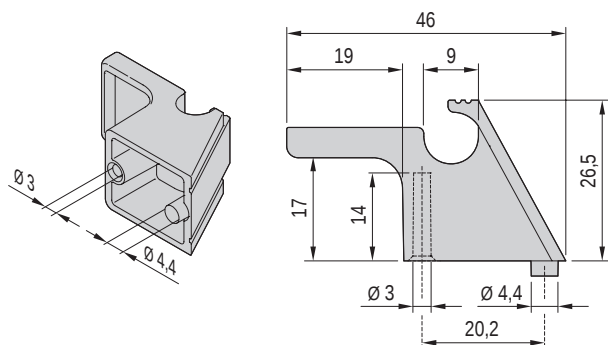


For further information www.schroff.biz/oneclick
oneClick search code = Part no.

Cable holder



02908053



02908052

Delivery comprises (kit)

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

Order Information

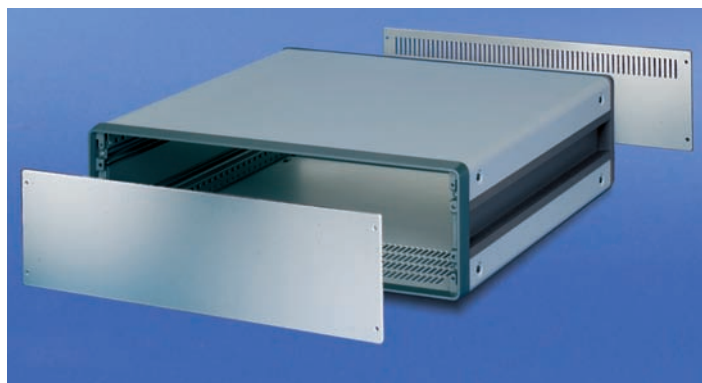
Description	Part no.
Cable holder	24575-800



For further information www.schroff.biz/oneclick
oneClick search code = Part no.

Desk-top cases - *compacPRO*

Front panel and rear panel



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

Delivery comprises (kit)

Item	Qty	Description
1	1	Rear panel with 4 rows of vent 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

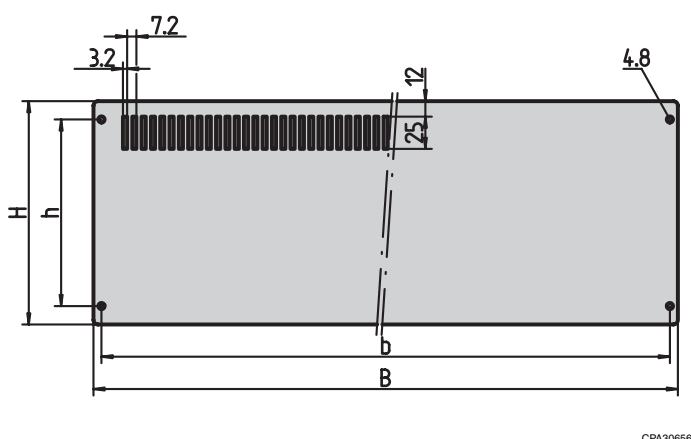
Order Information

Height U	Width HP	Height H mm	Height h mm	Width B mm	Width b mm	Rear panel Part no.	Front panel 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 for mounting one rear and one front panel is included with the case
- Cable holder and rear feet see from page 5.77

Rear panel/front panel



Front panel/rear panel, assembly parts not visible

Delivery comprises (kit)

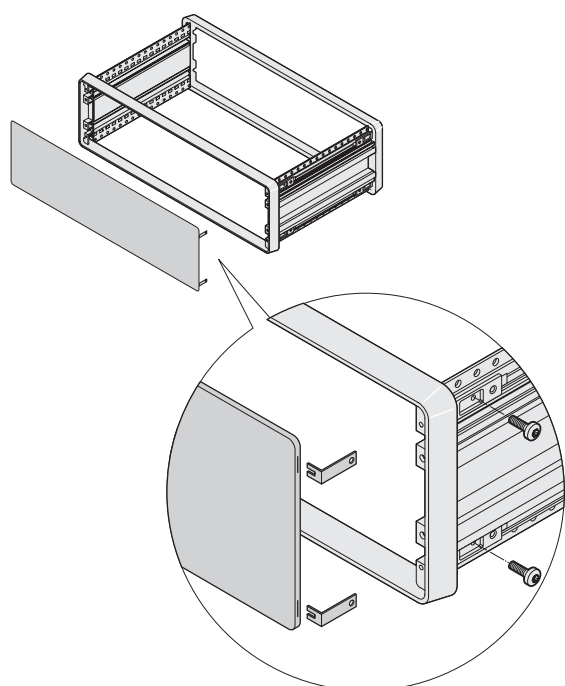
Item	Qty	Description
1	1	Front panel, Al, anodised, cut edges plain, 2.5 mm
2	4	Mounting bracket

Order Information

Height U	Width HP	Height H mm	Height h mm	Width B mm	Width b mm	Part no.
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

- Assembly kit is included with case



Desk-top cases - *compacPRO*

Tip-up carrying handle



02004002

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

Delivery comprises (kit)

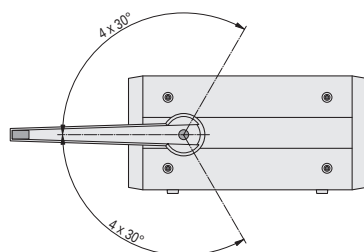
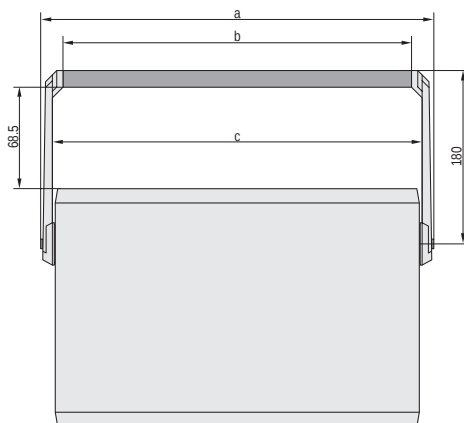
Item	Qty	Description
1	1	Carrying bar, Al profile, painted RAL 7016
2	2	Handle side section, Zn die-cast, powder coated, length 180 mm
3	2	Safety insert, St, 1.5 mm, black
4	1	Assembly kit incl. drilling template for side panel

Order Information

For case height	Width	Part no.
U	HP	
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	a	b	c
HP	mm	mm	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



02004080

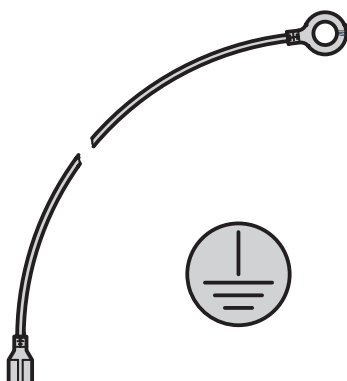
 For further information www.schroff.biz/oneclick
oneClick search code = Part no.

Earthing kit

- 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

Order Information

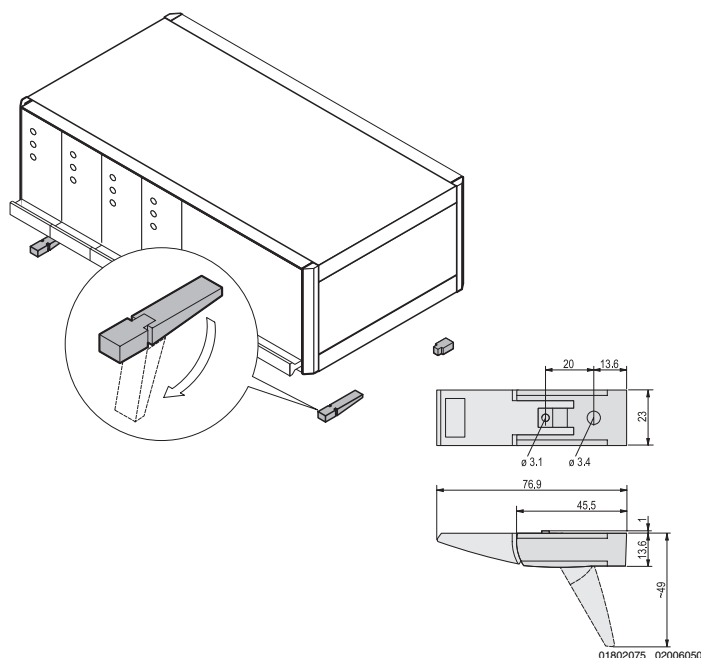
Description	Qty/PU	Part no.
GND/earthing kit, CU wire 1.5 mm ² , PVC covered, green/yellow, for the connection of side panel, base, cover and rear panel	1	24575-801



aza43284

Desk-top cases - *compacPRO*

Plastic tip-up foot



- Tip-up feet can be used instead of the pre-mounted case feet
- Load-carrying capacity 25 kg per foot
- Mounting holes in bottom of case

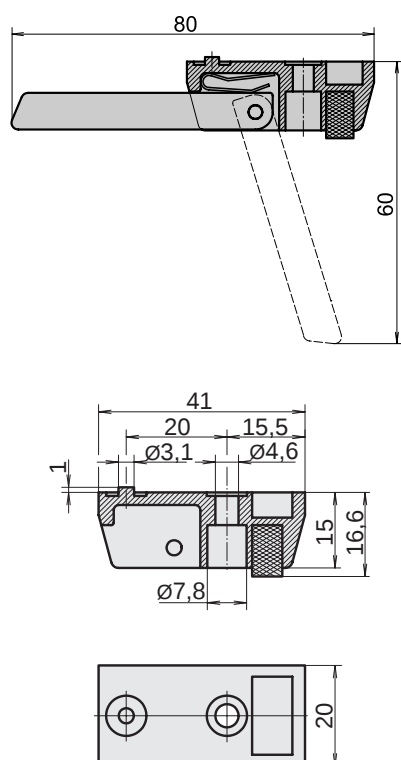
Delivery comprises (kit)

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 foot with/without tip-up



- Tip-up feet can be used instead of the pre-mounted case feet
- Load-carrying capacity: 50 kg per foot
- Mounting holes in bottom of case

Order Information

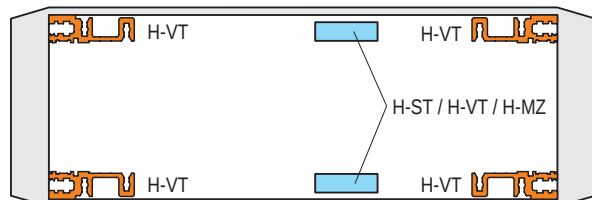
Description	Qty/PU	Part no.
Foot with tip-up, Al die-cast, silver	1	10603-002
Foot without tip-up, Al die-cast, silver	1	10603-001
Cheesehead screw with slot M4 × 12, St, zinc-plated, PU 100 pieces		21101-211
Hexagon nut M4, St, zinc-plated, PU 100 pieces		21100-211
Spring washer A4, St, zinc-plated,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

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

Desk-top cases - *compacPRO*

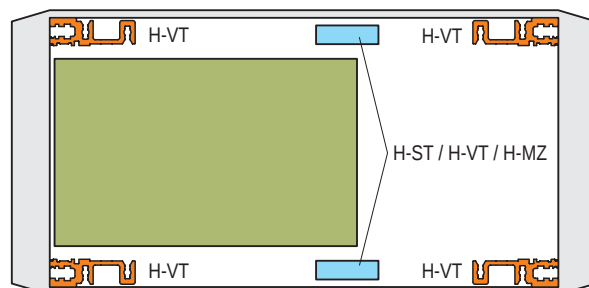
Mounting position horizontal/central rail

Case, 2 U



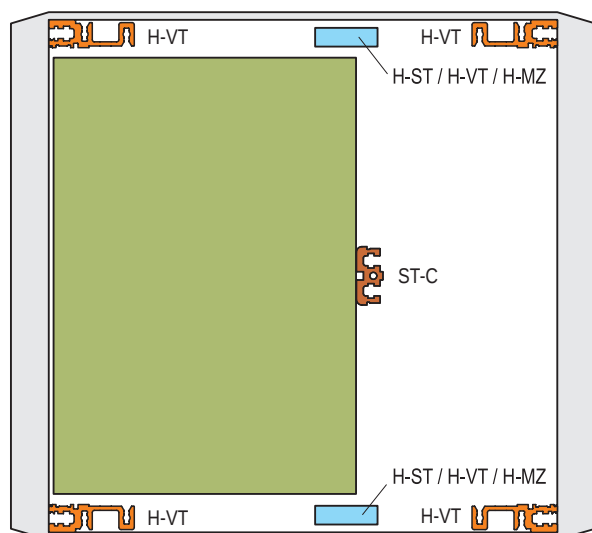
02004073

Case, 3 U + 4 U



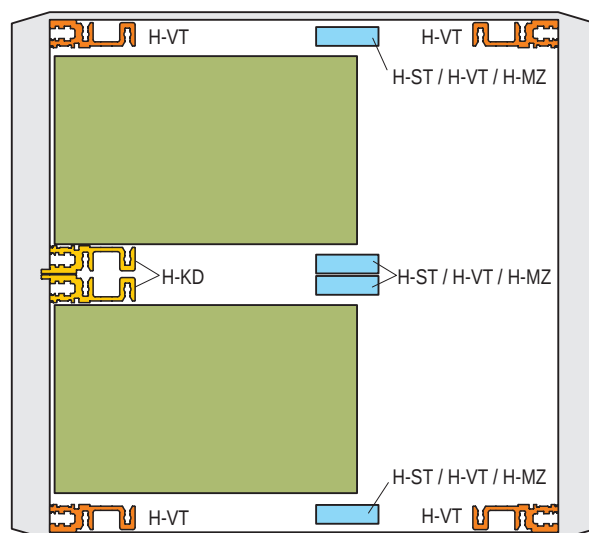
02004074

Case, 6 U



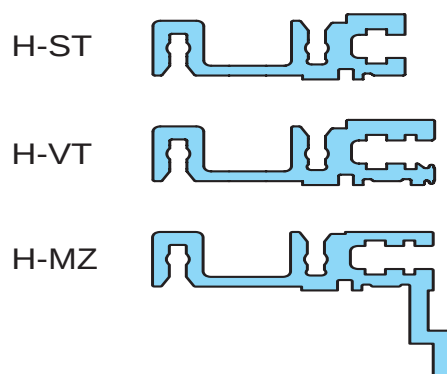
02004076

Case 2 x 3 U (6 U)



02004077

Horizontal rail



02004078

Desk-top cases - *compacPRO*

Horizontal rails, front/centre/rear

Order Information

		For indirect backplane fixing with insulation strip	For direct backplane fixing	For direct mounting of connectors to EN 60603-2 (DIN 41612)	Front horizontal rail
		 06197011	 06197011	 06197011	
		"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	 06197009	 06197015	 06197008
		Al extrusion, surface anodised, conductive contact surface	Al extrusion, surface anodised, conductive contact surface	Al extrusion, surface anodised, conductive contact surface	Al extrusion, anodised finish, contact surface conducting, 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, PU 100 pieces		—	—	24571-372	24571-372
Z-rail for connector mounting without insulation strip see page		5.87	—	—	—
Insulation strips see page		—	5.86	—	—
Threaded inserts see page		5.86	5.86	5.86	5.86

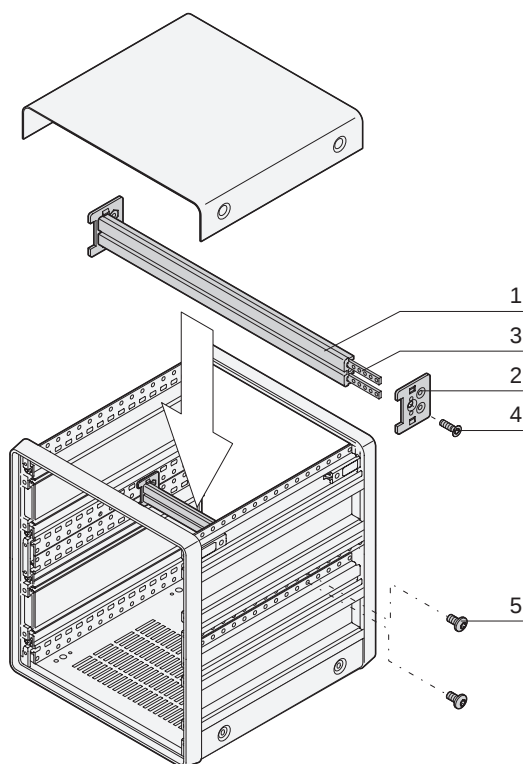
1) SPQ (standard pack quantity): Order number includes 1 piece, but delivery is exclusively made in standard pack quantity (SPQ); please order at least the SPQ quantity or a multiple thereof

Note

- Further horizontal rails, see from page 6.26
- Fitting options, see page 5.84

Desk-top cases - *compacPRO*

Horizontal rail centre, type ST-C



02005050

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

Delivery comprises (kit, item 1 up to 4 pre-mounted)

Item	Qty	Description
1	1	Horizontal rail, Al extrusion, anodised, conductive contact surfaces
2	2	Adaptor plates, Al
3	2	Threaded inserts M 2.5 , St, zinc-plated
4	2	Countersunk screw, M4 x 14
5	4	Panhead screw M4 x 6

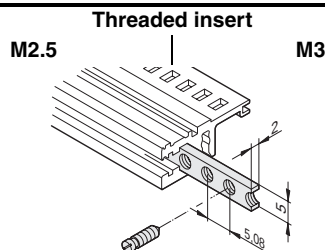
Order Information

Usable width HP	Length mm	Part no.
63	325.1	24575-454
84	431.8	24575-474
Insulation strip 63 HP, PBT UL 94 V-0, grey, SPQ 10 pieces		30894-444
Insulation strip 84 HP, PBT UL 94 V-0, grey, SPQ 10 pieces		60817-061

Threaded inserts, perforated strips, insulation strips

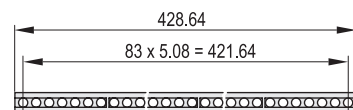
Order Information

Usable length HP	Threaded insert		Insulation strip	
	Length mm	1 piece (SPQ 10) ¹⁾	Length mm	PU 10 pieces
28	147.32	34561-328	144.20	24560-828
42	218.44	34561-342	210.40	24560-842
63	325.12	34561-363	316.88	24560-863
84	431.80	34561-384	428.64	24560-884
Item				
Grub screw M2.5 x 8, PU 100 pieces		21100-276		—
Grub screw M2.5 x 9, PU 100 pieces		—		—
Grub screw M3 x 8, PU 100 pieces		—	21100-646	—



06103056

required for assembly of front panel on horizontal rail;
please use collar screw 12.3 mm,
see page 6.68



BZ6749

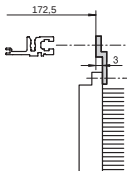
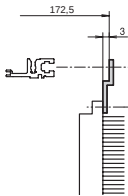
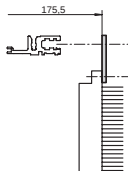
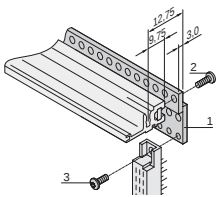
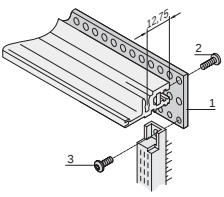
for insulated backplane mounting

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 cases - *compacPRO*

Z-rails, perforated rails

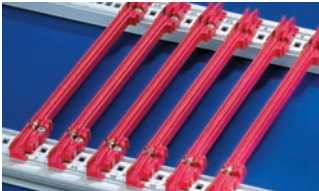
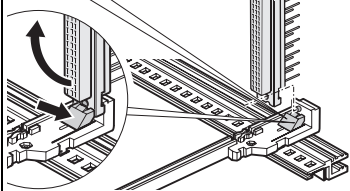
Order Information

		Z-rail for connectors for connector, IEC 60603-2, DIN EN 41612 Item 1		Perforated rail EN 60603-2, DIN 41612 Item 1
				
				
		for connector mounting with ST horizontal rails, please order threaded insert and screw separately	for connector mounting with ST horizontal rails, please order threaded insert and screw separately	for connector mounting with VT horizontal rails, please order threaded insert and screw separately
Usable length HP	Length mm	1 piece	1 piece	PU 4 pieces
20	106.68	30822-025	—	20822-051
28	142.24	30822-033	—	20822-049
40	203.20	30822-045	30819-763	20822-046
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 countersunk screw to fix connector to perforated rail, M2.5 × 7, PU 100 pieces		24560-147	24560-147	24560-147
Item 2, Torx countersunk screw, to fix perforated rail to horizontal rail, M2.5 × 10, PU 100 pieces		24560-148	24560-148	24560-148

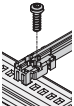
Desk-top cases - *compacPRO*

Guide rails for plug-in units and modules, one-piece, groove width 2 mm and 2.5 mm

Order Information

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			For plug-in units and frame-type plug-in units "Standard" 			With DIN connector fixing as standard 
			up to 220 mm length, PBT, UL 94 V-0; from 280 mm length, multi-piece, end piece PBT, UL 94 V-0, middle section Al extrusion	PBT, UL 94 V-0	PBT, UL 94 V-0; connector is clipped directly on the guide rail, only for Euroboards 100 x160 mm or 100 x 220 mm	
Board lengths	Groove width	Colour	PU 10 pieces	1 piece (SPQ 50)	PU 10 pairs	
70	2	red	—	34579-230	—	
70	2	grey	—	34579-231	—	
160	2	red	24560-351	64560-001	64560-074	
220	2	red	24560-353	64560-002	64560-075	
280	2	red	24560-379	—	—	
340	2	red	24560-380	—	—	
160	2.5	red	—	64560-096	—	
220	2.5	red	—	64560-098	—	
Dimension drawings see page			6.39	6.39	6.39	

Accessories

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

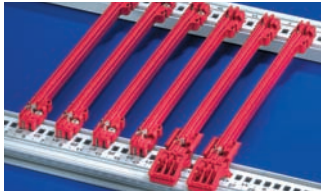
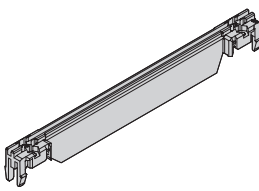
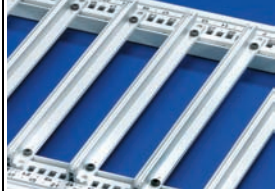
2) Part no. includes one packing unit (PU); delivery is exclusively made in PU

Description of accessories see from page 6.41

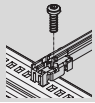
Desk-top cases - *compacPRO*

Guide rails type "accessories", one-piece, groove width 2 mm and 2.5 mm

Order Information

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			Guide rails type			
			"Accessories"  up to 220 mm length PBT, UL 94 V-0; from 280 mm length, multi-piece, end piece PBT, UL 94 V-0, middle section Al extrusion	"Accessories", strengthened  PBT, UL 94 V-0; support beam of guide rails adds to strengthening	For heavy modules, Al extrusion, silver, robust version  Al extrusion; is screwed to horizontal rail "heavy" with retention screws	
Board lengths mm	Groove width mm	Colour	PU 10 pieces	1 piece (SPQ 50)	1 piece (SPQ 50)	1 piece (SPQ 10) ¹⁾
100	2	red	—	64560-082	—	—
160	2	red	24560-373	64560-005	64560-076	—
160	2	grey	—	64560-055	—	34562-881
220	2	red	24560-374	64560-006	64560-078	—
220	2	grey	—	64560-166	—	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			6.39	6.39	6.39	6.39

Accessories

Retention screw, PU 100 pieces		24560-141	24560-141	24560-141	24560-157
ESD clip, PU 50 pieces		24560-255	24560-255	24560-255	—
Board locking, red, PU 10 pieces		24560-377	24560-377	24560-377	—
Board handle, red, PU 10 pieces		24560-378	24560-378	24560-378	—
Identification strips for board handle, red, PU 1 sheet = 438 pieces		60817-228	60817-228	60817-228	—
Coding see page		see page 6.40			—

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

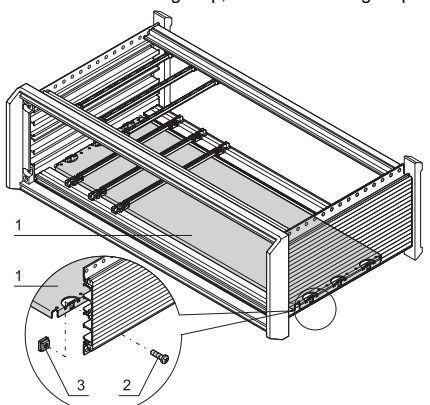
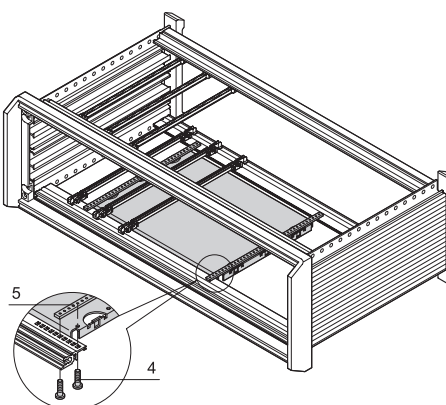
2) Part no. includes one packing unit (PU); delivery is exclusively made in PU

Further guide rails see page 6.34

Desk-top cases - *compacPRO*

Mounting plates

Order Information

			Mounting plate for fixing of heavy components	
			Mounting plate over entire width: mounting is on the side panels Mounting plate over partial width: mounting is on one side panel and one mounting strip, or on 2 mounting strips  Al, 1.5 mm; for mounting over partial width, please order fixing strips separately 06102501	Assembly strip for partial widths  St, 2 mm, zinc-plated; is bolted from front to rear onto the horizontal rails; to fix mounting plates 05806100
Width W	W	Board lengths		
28	146.88	160	34562-745	30840-021
28	146.88	220	34562-749	30840-033
28	146.88	160	34562-753	30840-045
28	146.88	220	34562-757	30840-057
42	217.99	160	34562-746	30840-021
42	217.99	220	34562-750	30840-033
42	217.99	160	34562-754	30840-045
42	217.99	220	34562-758	30840-057
63	324.67	160	34562-747	30840-021
63	324.67	220	34562-751	30840-033
63	324.67	160	34562-755	30840-045
63	324.67	220	34562-759	30840-057
84	431.35	160	34562-748	30840-021
84	431.35	220	34562-752	30840-033
84	431.35	160	34562-756	30840-045
84	431.35	220	34562-760	30840-057
Assembly material 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 x 5, St, zinc-plated, PU 100 pieces			—	24560-146

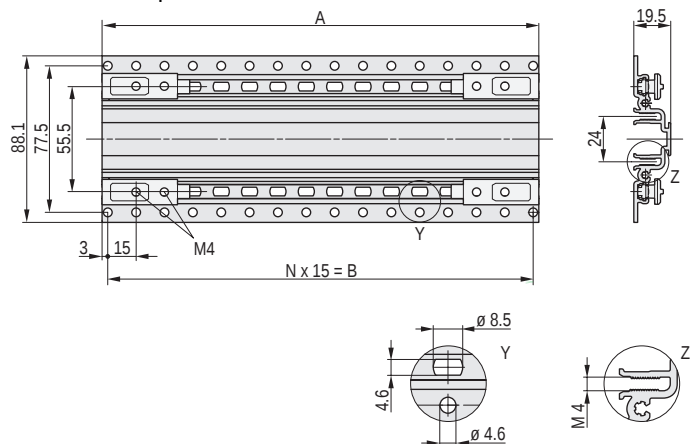
Note

- 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

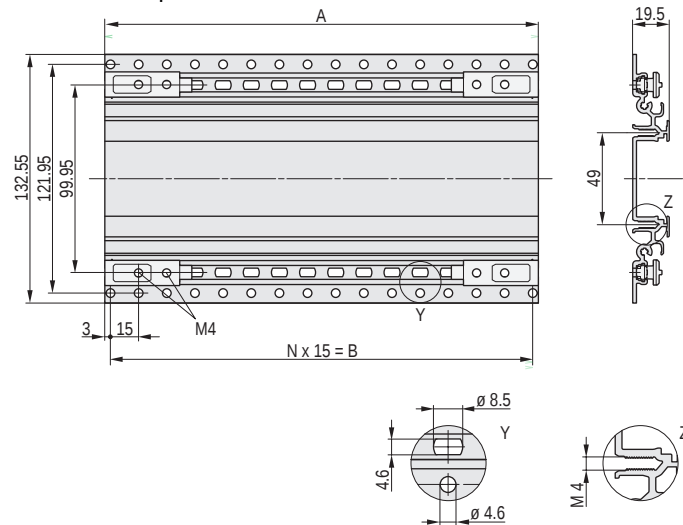
Desk-top cases - *compacPRO*

Dimensions

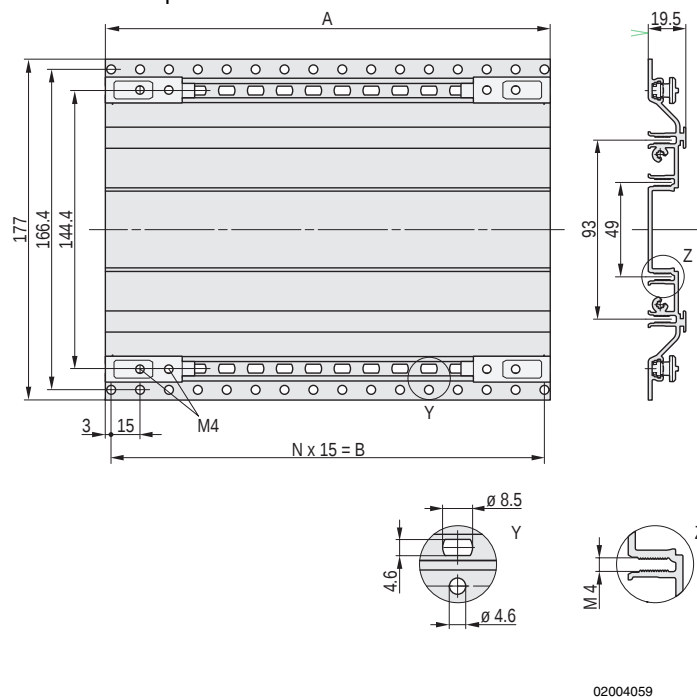
Extruded side panel 2 U



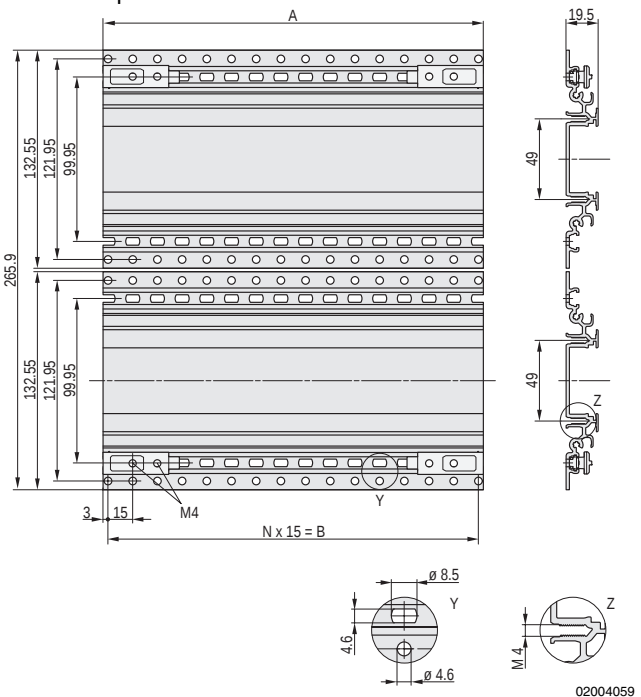
Extruded side panel 3 U



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