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Cabinets 1

Wall mounted cases 2

Accessories for cabinets and wall mounted cases 3

Climate control 4

Desk-top cases 5

19" chassis - multipacPRO



06005001

Standards/certifications

- External dimensions in accordance with: IEC 60297-3-100, -101, -105
- Type of protection IP 20 in accordance with IEC 60529
- EMC test in accordance with VG 95373 part 15 or IEC 61587 T3

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



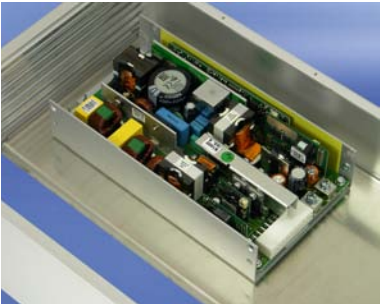
06008009

Handles can be bolted on from front



06008010

High stability through aluminium profile side panel



06008011

Mounting plate for installation of heavy components

Top cover and base plate in 3 versions



06008003

Plain



06008005

Perforated



06008004

For standardised board mounting

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

19" chassis - *multipacPRO*

Overview 6.90

19" chassis

- Aluminium or steel (AlZn coated) designs
- For standardised 19" board mounting or for installation of non-standardised components
- The ideal solution for electronic devices in the most compact dimensions
- EMC shielding upgradable
- Mounting service and customized machining with ServicePLUS



06002003

19" complete chassis (steel)

- 1, 2 U
- Steel chassis (AlZn coated), Al front panel
- Plain top cover and base plate



06008004

19" complete chassis (aluminium)

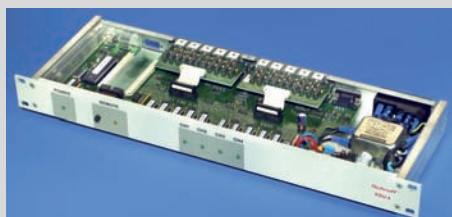
- 1, 2, 3, 4, 5 U
- Entirely from aluminium
- Versions:
 - Plain top cover and base plate
 - Perforated top cover and base plate
 - Top cover and base plate for standardised boards

NEW

Configure 19" chassis with ServicePLUS (aluminium)

19" chassis for non-standardised assembly

- For the assembly of power supplies with mounting plates, boards...
- Heights 1, 2, 3, 4, 5 U



For standardised board mounting (IEC 60297-3-101)

- For the assembly of connectors (EN 60603) or insulated backplanes
- Heights 1, 2 U



06006001 06002002

ServicePLUS from page 6.96

- e.g. individual configuration and assembly
- e.g. modifications (cut-outs)
- e.g. downloads (CAD drawings, user manuals, test reports)
- e.g. custom solutions (special sizes)

www.schroff.biz/serviceplus/



30407004

multipacPRO

- 19" complete chassis (St) 6.92
- 19" complete chassis (Al) 6.93

How to configure 19" chassis?

- 19" chassis for non-standardised assembly 6.98 (basic frame, mounting plate, cover plate, front handles, assembly of telescopic slides)

- 19" chassis for standardised assembly 6.100 (basic frame, base plate, cover plate, front handles, assembly of telescopic slides).

Accessories

- Guide rails 6.102
- EMC gasketing kit 6.103
- Telescopic slides 1 U 6.104
- Telescopic slides 2 U 6.105

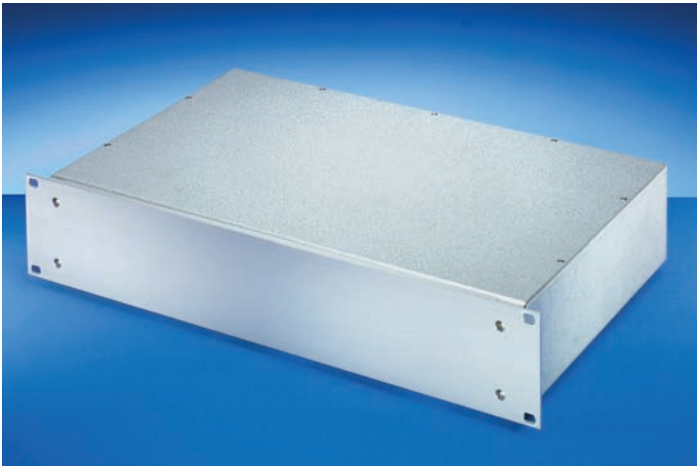
ServicePLUS . . 6.96

Application examples 6.106



19" chassis - *multipacPRO*

19" complete chassis from steel, plain top cover and base plate

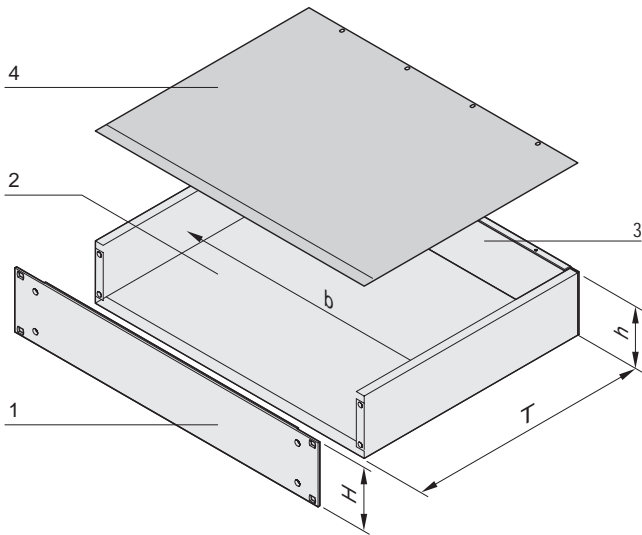


06002003

- Complete chassis, St (AlZn coated) with Al extrusion front panel
- Detachable rear panel for easy machining
- In the 1 U version 19" and ATX power supplies can be assembled up to a clearance of 40 mm
- EMC shielding of approx. 30 dB(A) at 1 GHz (without additional shielding material)
- In accordance with standard IEC 60297-3-101

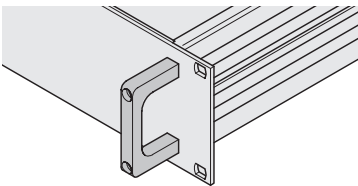
Delivery comprises (kit)

Item	Qty	Description
1	1	Front panel, Al extrusion, 3 mm; at 1 U: front anodised, rear etched; from 2 U: front and rear side of front panels clear passivated
2	1	Base body plain, St, 1 mm, (AlZn coated)
3	1	Rear panel, St, 1 mm (AlZn coated)
4	1	Cover plain, St, 1 mm (AlZn coated)
5	1	Assembly kit



06002051

h = clear height (overall) (H - 3.0 mm)
b = clear installation width = 447 mm



Front handle

06002052

Order Information

Height U	Height H mm	Depth T mm	Part no.
1	43.7	220	20860-120
1	43.7	280	20860-121
1	43.7	340	20860-122
2	88.1	280	20860-126
2	88.1	340	20860-127
Front handles incl. assembly kit for 1 U, Al extrusion, anodised, PU 2 pieces			20860-256
Front handles incl. assembly kit for 2 U, Al extrusion, anodised, PU 2 pieces			20860-257

Note

- Further versions with steel front panel (pizza box) available on request
- Use of telescopic slides not possible
- No special EMC version available
- Standardised internal mounting kits cannot be used



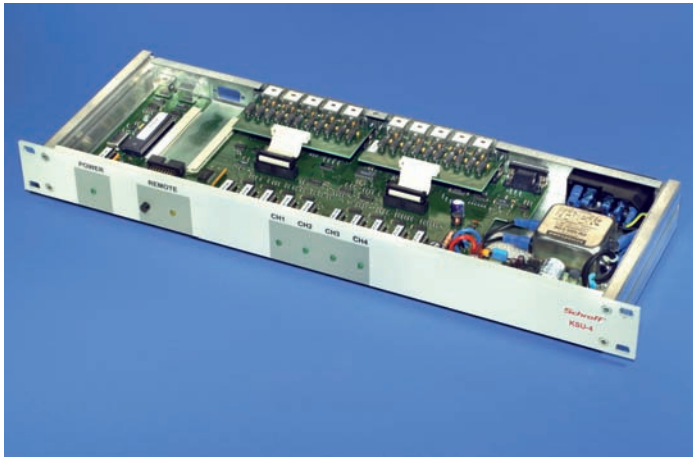
For further information www.schroff.biz/oneclick
oneClick search code = Part no.



ServicePLUS see page 6.96

19" chassis - *multipacPRO* ServicePLUS

How to configure 19" chassis



06006001

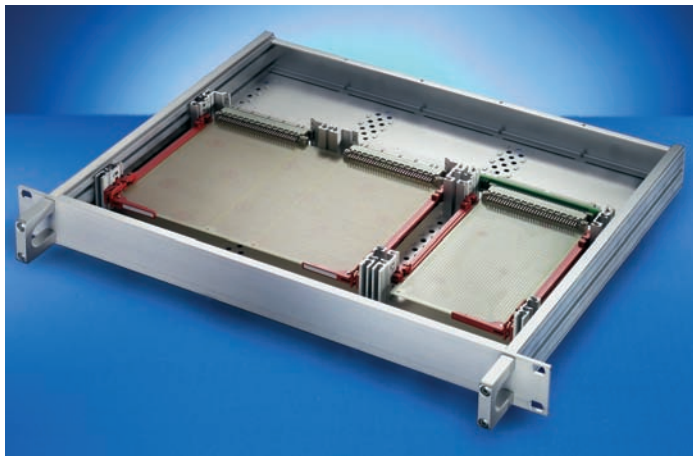
- Select height and depth of the basic kit
- Select further components

For non-standardised assemblies (1, 2 U) in accordance with IEC 60297-3-105

- Mounting plate
- Top cover/base plate
- Front handles
- EMC gasketing kit
- Telescopic slide

Note

- Non-standardised assemblies from page 6.98



06002001

For non-standardised assemblies (1, 2 U) in accordance with IEC 60297-3-100, -101, -105

- Top cover/base plate for horizontal boards
- Interior mounting for connector or backplane assembly
- front handles
- EMC gasketing kit
- Telescopic slides

Note

- Standardised assemblies from page 6.100

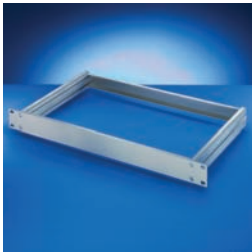
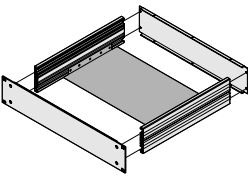
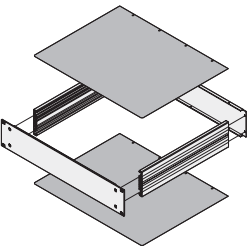
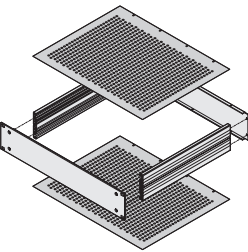
19" chassis - *multipacPRO* ServicePLUS

Individual components 19" chassis for non-standardised assemblies

- Please select:
 - Height and depth of basic kit (1 ... 5 U)
 - Mounting plate
 - Top cover/base plate
 - Front handles
 - EMC gasketing kit
 - Telescopic slides

■ In accordance with standard 60297-3-105

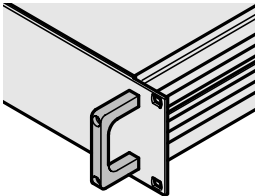
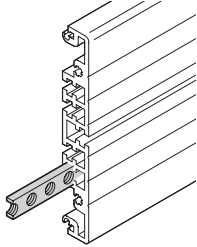
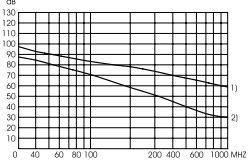

Order Information

Height U	Height mm	Width HP	Depth D mm	Basic kit	Mounting plate	Top cover/base plate	
						plain	perforated
				 06002004 1 x Al front panel, 3 mm; 2 x Al profile side panel; 1 x Al rear panel incl. assembly kit	 06002058 Al, 2 mm, depth = D - 70 mm; for heavy equipment	 06002053 is pushed into basic kit, Al, 1 mm, clear passivated, please order EMC gasketing kit separately	 06007050 Pushed into basic frame, Al, 1 mm, clear chromated, hole diameter 4 mm, degree of perforation 58 %
				PU 1 kit	1 piece	1 piece	1 piece
1	43.7	84	220	20860-201	20860-107	30860-501	30860-510
1	43.7	84	280	20860-202	20860-108	30860-502	30860-511
1	43.7	84	340	20860-203	20860-109	30860-503	30860-512
2	88.1	84	220	20860-210	20860-107	30860-501	30860-510
2	88.1	84	280	20860-211	20860-108	30860-502	30860-511
2	88.1	84	340	20860-212	20860-109	30860-503	30860-512
3	132.6	84	280	20860-219	20860-108	30860-502	30860-511
3	132.6	84	340	20860-220	20860-109	30860-503	30860-512
3	132.6	84	400	20860-221	20860-110	30860-504	30860-513
3	132.6	84	460	20860-222	20860-111	30860-505	30860-514
4	177.0	84	280	20860-228	20860-108	30860-502	30860-511
4	177.0	84	340	20860-229	20860-109	30860-503	30860-512
4	177.0	84	400	20860-230	20860-110	30860-504	30860-513
4	177.0	84	460	20860-231	20860-111	30860-505	30860-514
5	221.5	84	460	20860-240	20860-111	30860-505	30860-514

19" chassis - *multipacPRO* ServicePLUS

Individual components 19" chassis for non-standardised assemblies

Order Information

				Front handles	Threaded insert M3 for extruded side panel	EMC gasketing kit	Assembly kit for telescopic slides
							
				06002052	06007051	esa44237	06094004
				Al extrusion, anodised, incl. assembly kit	St, 2 mm, zinc-plated, height 7 mm, length 431.3 mm, M3 hole threaded 1 HP = 5.08 mm	to increase EMC shielding see page 6.103	Assembly kit and adaptor bracket for the cabinets VARISTAR, eurorack, minirack; for assembly of 19" chassis on telescopic slides, please order telescopic slides separately see page 6.104
Height U	Height mm	Width HP	Depth D mm	PU 2 pieces	1 piece	PU 1 kit	PU 1 kit
1	43.7	84	220	20860-256	30821-589	20860-130	20860-131
1	43.7	84	280				
1	43.7	84	340				
2	88.1	84	220	20860-257			
2	88.1	84	280				
2	88.1	84	340				
3	132.6	84	280	20860-258			
3	132.6	84	340				
3	132.6	84	400				
3	132.6	84	460				
4	177.0	84	280	20860-259			
4	177.0	84	340				
4	177.0	84	400				
4	177.0	84	460				
5	221.5	84	460	20860-260			

Note

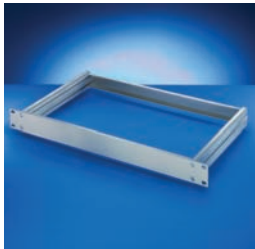
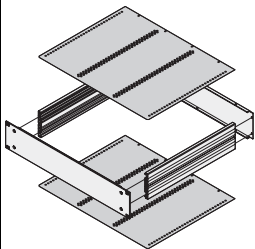
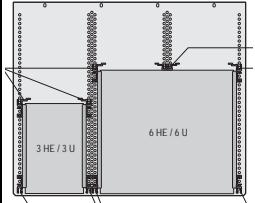
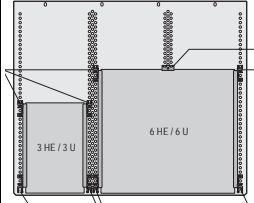
- Further sizes available on request
- Al extrusion side panels up to 1000 mm length available on request
- Telescopic slides see page 6.104

19" chassis - *multipacPRO* ServicePLUS

Individual components 19" chassis for standardised 19" assemblies

- Please select:
 - Height and depth of basic kit (1, 2 U)
 - Top cover/base plate for horizontal boards
 - Interior mounting for connector or backplane assembly
 - Front handles
 - EMC gasketing kit
 - Telescopic slides
- In accordance with standard 60297-3-100, -101, -105



Order Information

Height U	Height mm	Width HP	Depth D mm	Basic kit	top cover/base plate	Mounting of euroboards for connector EN 60603	for insulated backplane assembly
				 <p>06002004</p> <p>1 x Al front panel, 3 mm; 2 x Al profile side panel; 1 x Al rear panel, incl. assembly kit</p> <p>PU 1 kit</p>	 <p>06008053</p> <p>Al, 1 mm; with drill hole for horizontal assembly with euroboards</p> <p>1 piece</p>	 <p>06003050</p> <p>2 x front horizontal rails Z sufficient for one 3 U board as well as one 6 U board (for 1 U: 6 HP for 2 U: 15 HP)</p> <p>PU 1 kit</p>	 <p>06003051</p> <p>2 x front horizontal rails; 2 x rear horizontal rails for insulated backplane assembly, threaded inserts and insulation strips sufficient for one 3 U board as well as one 6 U board (for 1 U: 6 HP for 2 U: 15 HP)</p> <p>PU 1 kit</p>
1	43.7	84	220	20860-201	30860-519	20860-115	20860-116
1	43.7	84	280	20860-202	30860-520	20860-115	20860-116
1	43.7	84	340	20860-203	30860-521	20860-115	20860-116
2	88.1	84	220	20860-210	30860-519	20860-117	20860-118
2	88.1	84	280	20860-211	30860-520	20860-117	20860-118
2	88.1	84	340	20860-212	30860-521	20860-117	20860-118

19" chassis - *multipacPRO* ServicePLUS

Guide rails for boards without front panels, one-piece, groove width 2 mm

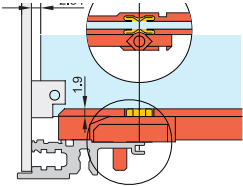
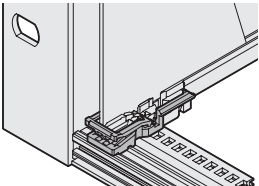
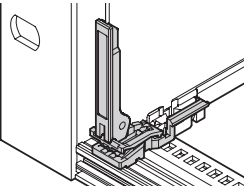
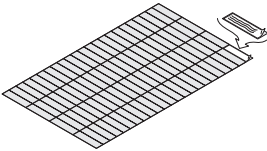
Order Information

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 PCBs without front panels "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
Board lengths	Groove width	Colour	PU 10 pieces ²⁾ 24560-373 24560-374 24560-375 24560-376
mm	mm	mm	
160	2	red	
220	2	red	
280	2	red	
340	2	red	24560-376
Retention screw, PU 100 pieces			24560-141

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

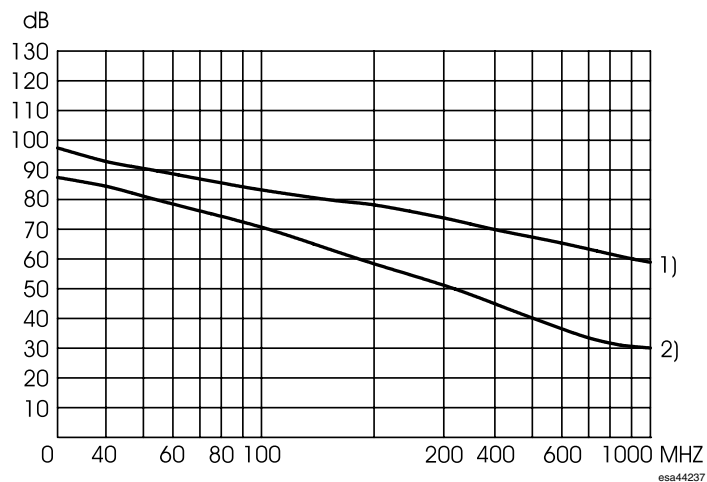
Guide rail accessories

Order Information

	ESD clip for guide rails  04503050 Spring steel, tin-plated, ensures conductive contact between circuit board and horizontal rail, on both the solder side and the component side.	Board retention for PCBs without front panel  04805050 PBT, UL 94 V-0, red, to fix the PCB in the subrack (also slot 1), can also be used without board handle, minimum distance 3 HP	Board handle for board locking  04805051 PBT, UL 94 V-0, red, insertion/extraction function with connection to board locking (also slot 1), mounting directly behind front panel (upper and lower), minimum distance 3 HP	Identification strips for board handle  06108076 Polyester film, 31 x 4 mm, self-adhesive, white/matt (1 A4 sheet contains 438 pieces)
Assembly	Colour			
mm	mm	PU 50 pieces	PU 10 pieces	PU 10 pieces
	red	—	24560-377	24560-378
above/below	silver	24560-255	—	—
	white/matt	—	—	60817-228

19" chassis - *multipacPRO* ServicePLUS

EMC gasketing kit



- 1) with EMC gasketing material
2) without EMC gasketing material

- The EMC gasket kit and the cover plates increase the shielding of the chassis from approx. 30 dB(A) to approx. 60 dB(A)

Delivery comprises (kit)

Item	Qty	Description
1	1	Gasket 2100 mm; silicone/nickel, contacting side panel/top cover and base plate
2	2	Saw tooth gasket 400 mm; stainless steel; contacting front panel/top cover and base plate

Order Information

Description	Part no.
EMC gasketing kit	20860-130

Note

- EMC test report: please enter part number under www.schroff.biz/oneclick/



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