

VARISTAR



Varistar Cabinet Standard Catalog North American Edition



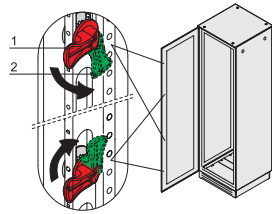
VARISTAR

Standard Products Catalog

Robust Welded Frame



Innovative Features: Latching System



Standard Accessories



Side and rear panels with quick-release fastener

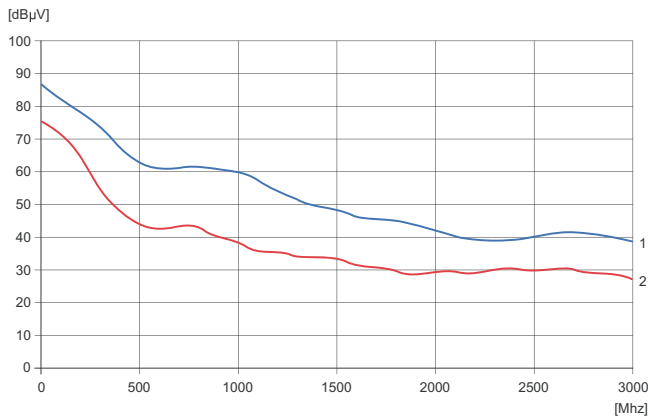


Casters and adjustable feet combined



Depth members

Standard High Performance EMI Shielding



VARISTAR EMC test results (tested to IEC 61587-3):

VARISTAR with solid steel door: 60 dB at 1 GHz
 VARISTAR with perforated door: 40 dB at 1 GHz
 VARISTAR with fan top cover: 55 dB at 1 GHz
 VARISTAR with cable entry in base plate: 45 dB at 1 GHz

VARISTAR with solid steel door: 40 dB at 3 GHz
 VARISTAR with perforated door: 30 dB at 3 GHz

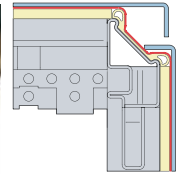
1 Cabinet with solid steel door
 2 Cabinet with perforated door



IP gasketing



EMC/IP gasketing



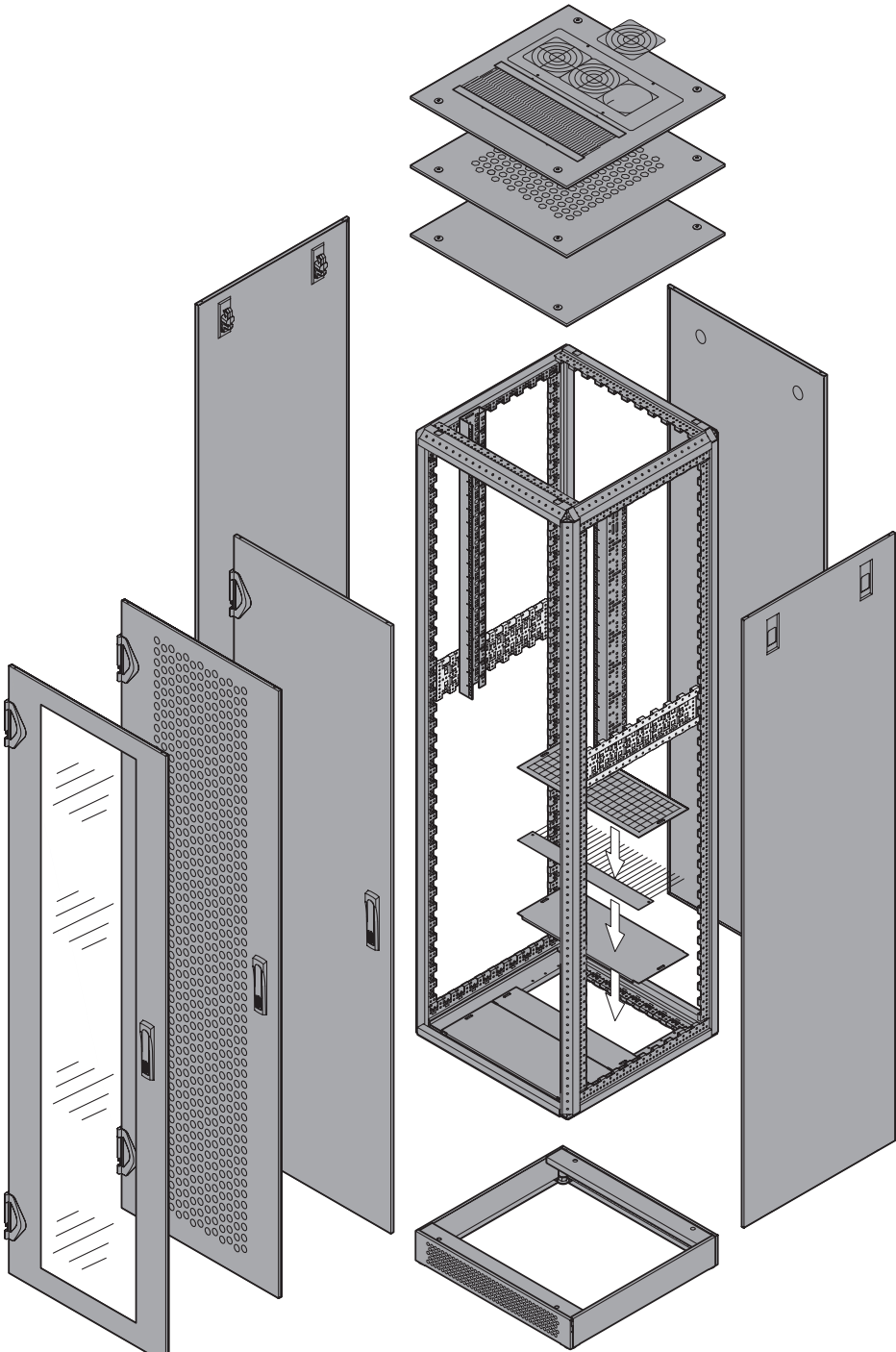
Standard and High-end Cooling Strategies

	Closed cabinet	Raised cover, ventilation slots	Perforated doors	19" fans, top-cover fans	Air filtered fans	Air/air heat exchanger	Air conditioners	Air/water heat exchanger (LHX 20)
Description	Natural convection via thermal radiation	Free convection through top-cover opening	Free convection through openings in the doors/rear panels	Forced cooling with air	Forced cooling with air	Forced cooling with air	Cooling with coolant	Cooling with water
Type of protection	≤ IP 55	≤ IP 20	≤ IP 20	≤ IP 20	≤ IP 54	≤ IP 54	≤ IP 54	≤ IP 55
Noise level approx.	0	0	55 ... 65 dB (A)	34 ... 67 dB (A)	39 ... 71 dB (A)	55 ... 75 dB (A)	50 ... 81 dB (A)	50 ... 60 dB (A)
Ambient conditions	$T_i > T_a$	$T_i > T_a$	$T_i > T_a$	$T_i > T_a$	$T_i > T_a$	$T_i > T_a$	$T_a \leq 55^\circ\text{C}$	$T_a \leq 70^\circ\text{C}$
Cooling capacity approx.¹⁾	< 500 W	< 500 W ... 800 W	< 500 W ... 6000 W ²⁾	< 2000 W	< 1500 W	< 2000 W	< 2600 W	< 20000 W

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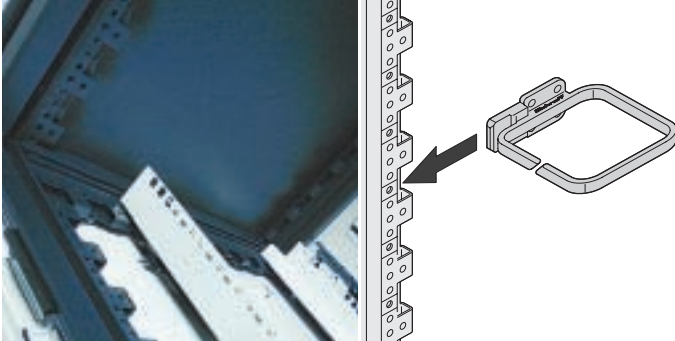


01006037

Varistar Standard Product Catalog

The VARISTAR Frame: Efficiency in all dimensions

Mounting of the 19" panel/slide mount without depth members



The VARISTAR frame has built in mounting features in all three planes (height, width, depth), providing an enormous amount of options for mounting components and accessories.

19" Panel mounts may be mounted directly to the frame without the use of additional depth members, saving cost and assembly time.

Tool-less accessories such as cable management eyes snap on to frame features at any location.

tool-less cable eyes

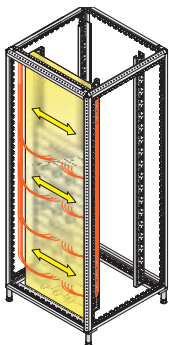
0100403401006105

Cable management in VARISTAR

The management of cable routing inside a cabinet is an art in itself. Schroff designed four unique cable management zones into the Varistar frame and developed a complete line of cable management accessories to allow limitless options in routing complex cable systems.

The Varistar frame was created with the implementation of cable management solution in mind. From the broad array of accessories to the four unique cable management zones, Varistar works with you as a complete cable management solution!

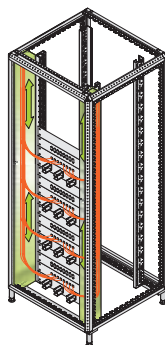
Zone 1



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- In front of the 19" plane
- In this zone the patch cables are managed horizontally between the distribution fields

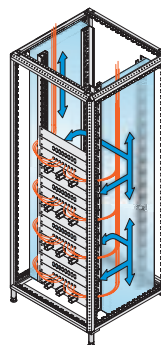
Zone 2



01006088

- On the right and left hand side, next to the 19" plane
- In this zone patch cables are managed vertically, channeling to the individual components

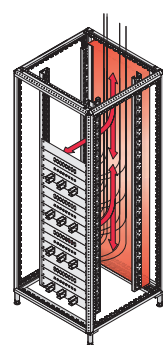
Zone 3



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- Zone 3 is located laterally behind the 19" plane across the cabinet depth; mainly for 800 mm wide cabinets
- In this zone cable bundles are routed in the cabinet and distributed to the other zones

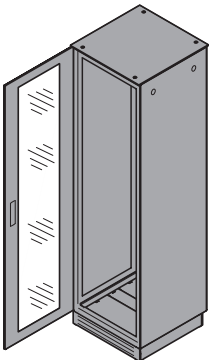
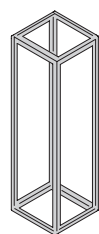
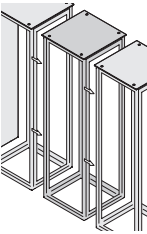
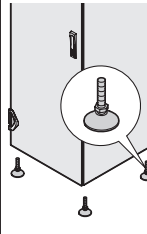
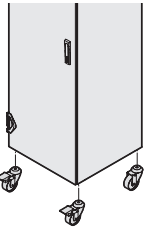
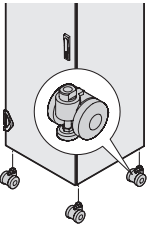
Zone 4



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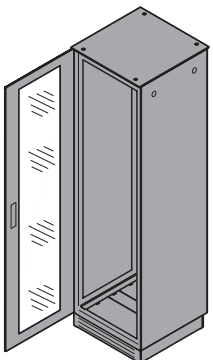
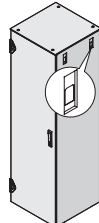
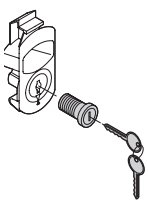
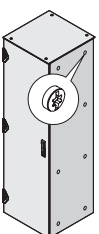
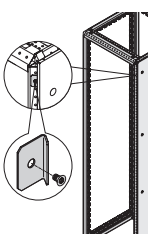
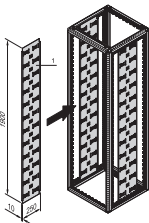
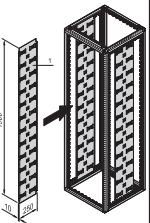
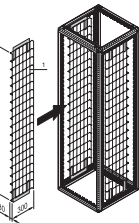
- Zone 4 is located in the rear across the cabinet width
- Alternative to zone 3 for only wide cabinets or when cable entry is at the rear of the cabinet

Varistar Standard Product Catalog**Frame, side-by-side mounting kits, adjustable feet, casters**

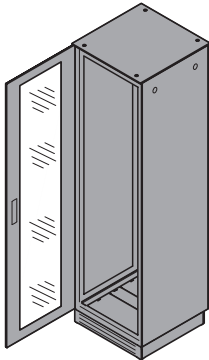
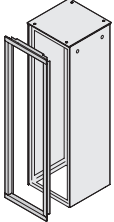
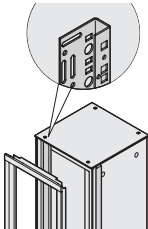
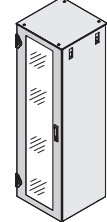
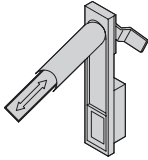
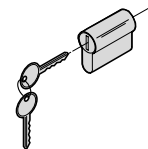
 Completely in RAL 7021 (black grey) Cabinet dimensions Height Width Depth U mm mm mm					Heavy-Duty 1800 lbs  Static load-carrying capacity: 1800 lbs, St, 1.5 mm, zinc-plated, with central GND/earthing point, please order adjustable feet or casters separately RAL 7021 1 piece assembled	Side-by-side mounting kit IP 20  1 kit supplied loose	Adjustable feet  For the frame, static load-carrying capacity: 1100 lbs, cannot be used with plinth 4 pieces assembled	Casters With 2 locking feet  For the frame, static load-carrying capacity: 1100 lbs, cannot be used with plinth 4 pieces assembled With adjustable feet  For the frame, static load-carrying capacity: 900 lbs, cannot be used with plinth 4 pieces assembled	
					20130-051	23130-061	23130-079	23130-077	23130-078
No.	1	24	1200	600	600				
	2	24	1200	600	800				
	3	24	1200	600	900				
	4	24	1200	600	1000				
	5	24	1200	600	1100				
	6	24	1200	600	1200				
	7	24	1200	800	600				
	8	24	1200	800	800				
	9	24	1200	800	900				
	10	24	1200	800	1000				
	11	29	1400	600	600				
	12	29	1400	600	800				
	13	29	1400	800	600				
	14	29	1400	800	800				
	15	38	1800	600	600				
	16	38	1800	600	800				
	17	38	1800	800	600				
	18	38	1800	800	800				
	19	42	2000	600	600				
	20	42	2000	600	800				
	21	42	2000	600	900				
	22	42	2000	600	1000				
	23	42	2000	600	1100				
	24	42	2000	600	1200				
	25	42	2000	800	600				
	26	42	2000	800	800				
	27	42	2000	800	900				
	28	42	2000	800	1000				
	29	42	2000	800	1100				
	30	42	2000	800	1200				
	31	47	2200	600	600				
	32	47	2200	600	800				
	33	47	2200	600	900				
	34	47	2200	600	1000				
	35	47	2200	600	1100				
	36	47	2200	600	1200				
	37	47	2200	800	600				
	38	47	2200	800	800				
	39	47	2200	800	900				
	40	47	2200	800	1000				
	41	47	2200	800	1100				
	42	47	2200	800	1200				

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Side panels, coverplate, lateral cable management

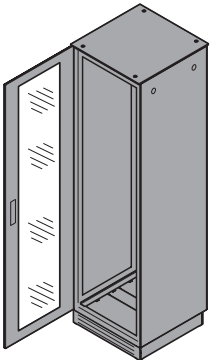
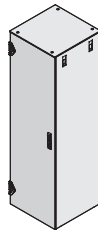
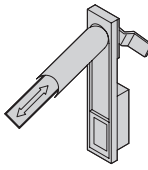
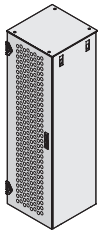
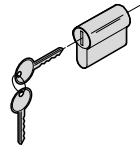
 Completely in RAL 7021 (black grey) Cabinet dimensions No. Height U mm Width mm Depth mm					Side panel		Screw-fixed side panel		Lateral cable management		
					With quick release fastener	Lock	Side panel	Internal locking	Cable panel Width 150 mm	Cable panel Width 250 mm	Cable ladder Height 2000 mm
					 01004084 St, 1 mm, incl. GND/earthing, please order lock separately RAL 7021 2 pieces assembled	 01004072 For quick release fasteners on the side panel 2 pieces assembled	 01004083 St, 1 mm, incl. GND/earthing RAL 7021 2 pieces assembled	 01006104 Bracket, Al-Zn, incl. retention screws 2 pieces assembled	 01006103 St, 1 mm, with cut-outs for cable ties or velcro RAL 7021 2 pieces enclosed loose	 01006103 St, 1 mm, with cut-outs for cable ties or velcro RAL 7021 2 pieces enclosed loose	 01006075 Round steel, zinc-plated, for cable ties or velcro 2 pieces supplied loose
1	24	1200	600	600	21130-041	23130-132	21130-001	23130-373	—	—	—
2	24	1200	600	800	21130-042		21130-002		—	—	—
3	24	1200	600	900	21130-524		21130-516		—	—	—
4	24	1200	600	1000	21130-525		21130-517		—	—	—
5	24	1200	600	1100	—		21130-532		—	—	—
6	24	1200	600	1200	—		21130-533		—	—	—
7	24	1200	800	600	21130-041	23130-132	21130-001	23130-373	—	—	—
8	24	1200	800	800	21130-042		21130-002		—	—	—
9	24	1200	800	900	21130-524		21130-516		—	—	—
10	24	1200	800	1000	21130-525		21130-517		—	—	—
11	29	1400	600	600	21130-043	23130-132	21130-003	23130-373	—	—	—
12	29	1400	600	800	21130-044		21130-004		—	—	—
13	29	1400	800	600	21130-043	23130-132	21130-003	23130-373	—	—	—
14	29	1400	800	800	21130-044		21130-004		—	—	—
15	38	1800	600	600	21130-047	23130-132	21130-007	23130-373	23130-420	23130-149	—
16	38	1800	600	800	21130-048		21130-008		23130-420	23130-149	—
17	38	1800	800	600	21130-047	23130-132	21130-007	23130-373	23130-420	23130-149	—
18	38	1800	800	800	21130-048		21130-008		23130-420	23130-149	—
19	42	2000	600	600	21130-050	23130-132	21130-010	23130-373	23130-421	23130-150	23130-335
20	42	2000	600	800	21130-051		21130-011		23130-421	23130-150	23130-335
21	42	2000	600	900	21130-052		21130-012		23130-421	23130-150	23130-335
22	42	2000	600	1000	21130-053		21130-013		23130-421	23130-150	23130-335
23	42	2000	600	1100	—		21130-534		23130-421	23130-150	23130-335
24	42	2000	600	1200	—		21130-535		23130-421	23130-150	23130-335
25	42	2000	800	600	21130-050	23130-132	21130-010	23130-373	23130-421	23130-150	23130-335
26	42	2000	800	800	21130-051		21130-011		23130-421	23130-150	23130-335
27	42	2000	800	900	21130-052		21130-012		23130-421	23130-150	23130-335
28	42	2000	800	1000	21130-053		21130-013		23130-421	23130-150	23130-335
29	42	2000	800	1100	—		21130-534		23130-421	23130-150	23130-335
30	42	2000	800	1200	—		21130-535		23130-421	23130-150	23130-335
31	47	2200	600	600	21130-055	23130-132	21130-015	23130-373	23130-422	23130-151	23130-335
32	47	2200	600	800	21130-056		21130-016		23130-422	23130-151	23130-335
33	47	2200	600	900	21130-057		21130-017		23130-422	23130-151	23130-335
34	47	2200	600	1000	21130-058		21130-018		23130-422	23130-151	23130-335
35	47	2200	600	1100	—		21130-536		23130-422	23130-151	23130-335
36	47	2200	600	1200	—		21130-537		23130-422	23130-151	23130-335
37	47	2200	800	600	21130-055	23130-132	21130-015	23130-373	23130-422	23130-151	23130-335
38	47	2200	800	800	21130-056		21130-016		23130-422	23130-151	23130-335
39	47	2200	800	900	21130-057		21130-017		23130-422	23130-151	23130-335
40	47	2200	800	1000	21130-058		21130-018		23130-422	23130-151	23130-335
41	47	2200	800	1100	—		21130-536		23130-422	23130-151	23130-335
42	47	2200	800	1200	—		21130-537		23130-422	23130-151	23130-335

Varistar Standard Product Catalog**Decorative frame, glass doors**

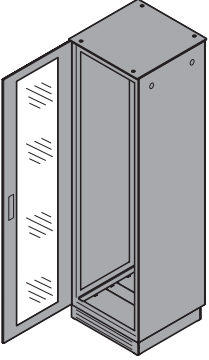
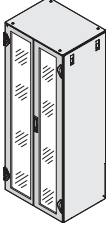
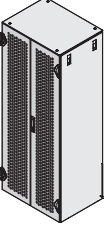
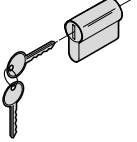
 Completely in RAL 7021 (black grey) Cabinet dimensions No. Height U mm Width mm Depth mm					Deco frame		Plexiglass door		Plexiglass door Multi-point locking	DIN profile half cylinder
					Deco frame	Adaptor bracket	Single point locking	Lever handle		
					 01004086 Al, 19" plane integrated, front open, incl. GND/earthing, no door can be fitted RAL 7021 1 piece assembled	 01004160 St, 2 mm, for deco frame, for assembly of slide rails and shelves RAL 7021 1 pair assembled	 01004088 St, 1.5 mm, plexiglass, 6 mm, opening angle 180°, lock cover, incl. GND/earthing RAL 7021 1 piece assembled	 01004147 With push button for doors with single point locking 1 piece assembled	 01004091 St, 1.5 mm, plexiglass, 6 mm, opening angle 180°, lever handle with built-in push button, incl. GND/earthing RAL 7021 1 piece assembled	 01004148 For lever handle, common locking 1 piece assembled
1	24	1200	600	600						
2	24	1200	600	800						
3	24	1200	600	900	21130-231	23130-220	21130-121	23130-067	21130-181	25127-995
4	24	1200	600	1000						
5	24	1200	600	1100						
6	24	1200	600	1200						
7	24	1200	800	600						
8	24	1200	800	800	–	–	21130-122	23130-067	21130-182	25127-995
9	24	1200	800	900						
10	24	1200	800	1000						
11	29	1400	600	600	21130-232	23130-221	21130-123	23130-067	21130-183	25127-995
12	29	1400	600	800						
13	29	1400	800	600	–	–	21130-124	23130-067	21130-184	25127-995
14	29	1400	800	800						
15	38	1800	600	600	21130-234	23130-223	21130-127	23130-067	21130-187	25127-995
16	38	1800	600	800						
17	38	1800	800	600	–	–	21130-128	23130-067	21130-188	25127-995
18	38	1800	800	800						
19	42	2000	600	600	21130-235	23130-224	21130-129	23130-067	21130-189	25127-995
20	42	2000	600	800						
21	42	2000	600	900						
22	42	2000	600	1000						
23	42	2000	600	1100						
24	42	2000	600	1200						
25	42	2000	800	600						
26	42	2000	800	800	–	–	21130-130	23130-067	21130-190	25127-995
27	42	2000	800	900						
28	42	2000	800	1000						
29	42	2000	800	1100						
30	42	2000	800	1200						
31	47	2200	600	600	21130-236	23130-225	21130-131	23130-067	21130-191	25127-995
32	47	2200	600	800						
33	47	2200	600	900						
34	47	2200	600	1000						
35	47	2200	600	1100						
36	47	2200	600	1200						
37	47	2200	800	600						
38	47	2200	800	800	–	–	21130-132	23130-067	21130-192	25127-995
39	47	2200	800	900						
40	47	2200	800	1000						
41	47	2200	800	1100						
42	47	2200	800	1200						

Varistar Standard Product Catalog

Steel doors

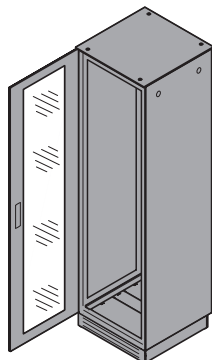
 Completely in RAL 7021 (black grey) Cabinet dimensions No. Height Width Depth U mm mm mm				Steel door, 1 point locking				Steel door, multi-point locking		DIN profile half cylinder
				Plain  01004089 St, 1 mm, opening angle 180°, key, incl. GND/earthing RAL 7021 1 piece assembled	Solid, with mounting frame  01004089 St, 1 mm, opening angle 180°, lock cover incl. GND/earthing, designed to carry extensive cut-outs and assemblies RAL 7021 1 piece assembled	Perforated  01004090 St, 1.5 mm, opening angle 180°, key, incl. GND/earthing RAL 7021 1 piece assembled	Lever handle  01004147 With push button for doors with single point locking 1 piece assembled	Plain  01004090 St, 1.5 mm, opening angle 180°, lever handle with built-in push button, incl. GND/earthing RAL 7021 1 piece assembled	Multi-point locking  01004092 St, 1.5 mm, opening angle 180°, lever handle with built-in push button, incl. GND/earthing RAL 7021 1 piece assembled	 01004148 For lever handle, common locking 1 piece assembled
1	24	1200	600							
2	24	1200	600							
3	24	1200	600							
4	24	1200	600							
5	24	1200	600							
6	24	1200	600							
7	24	1200	800							
8	24	1200	800							
9	24	1200	800							
10	24	1200	800							
11	29	1400	600							
12	29	1400	600							
13	29	1400	800							
14	29	1400	800							
15	38	1800	600							
16	38	1800	600							
17	38	1800	800							
18	38	1800	800							
19	42	2000	600							
20	42	2000	600							
21	42	2000	600							
22	42	2000	600							
23	42	2000	600							
24	42	2000	600							
25	42	2000	800							
26	42	2000	800							
27	42	2000	800							
28	42	2000	800							
29	42	2000	800							
30	42	2000	800							
31	47	2200	600							
32	47	2200	600							
33	47	2200	600							
34	47	2200	600							
35	47	2200	600							
36	47	2200	600							
37	47	2200	800							
38	47	2200	800							
39	47	2200	800							
40	47	2200	800							
41	47	2200	800							
42	47	2200	800							

Varistar Standard Product Catalog**Double doors**

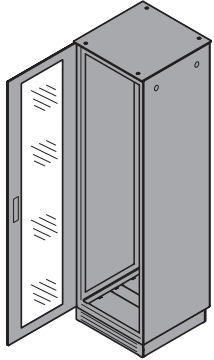
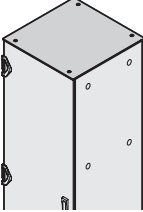
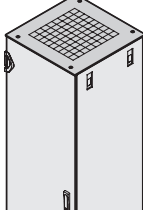
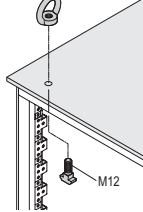
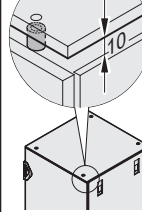
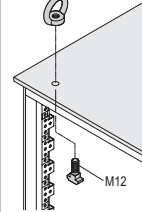
					Double door, 3 point locking			DIN profile half cylinder
					Plexiglass	Plain	Perforated	
 Completely in RAL 7021 (black grey) Cabinet dimensions No. Height U mm Width mm Depth mm					 01005065 Frame, St, 1.5 mm, Plexiglass, 6 mm, opening angle 180°, lever handle with push button, incl. GND/earthing RAL 7021 1 piece assembled	 01005064 St, 1.5 mm, opening angle 180°, lever handle with push button, incl. GND/earthing RAL 7021 1 piece assembled	 01005066 St, 1.5 mm, opening angle 180°, lever handle with push button, incl. GND/earthing RAL 7021 1 piece assembled	 01004148 For lever handle, common locking 1 piece assembled
1	24	1200	600	600	21130-452	21130-484	21130-211	25127-995
2	24	1200	600	800				
3	24	1200	600	900				
4	24	1200	600	1000				
5	24	1200	600	1100				
6	24	1200	600	1200				
7	24	1200	800	600	21130-453	21130-485	21130-212	25127-995
8	24	1200	800	800				
9	24	1200	800	900				
10	24	1200	800	1000				
11	29	1400	600	600	21130-454	21130-486	21130-213	25127-995
12	29	1400	600	800				
13	29	1400	800	600	21130-455	21130-487	21130-214	25127-995
14	29	1400	800	800				
15	38	1800	600	600	21130-458	21130-490	21130-217	25127-995
16	38	1800	600	800				
17	38	1800	800	600	21130-459	21130-491	21130-218	25127-995
18	38	1800	800	800				
19	42	2000	600	600	21130-460	21130-492	21130-219	25127-995
20	42	2000	600	800				
21	42	2000	600	900				
22	42	2000	600	1000				
23	42	2000	600	1100				
24	42	2000	600	1200				
25	42	2000	800	600	21130-461	21130-493	21130-220	25127-995
26	42	2000	800	800				
27	42	2000	800	900				
28	42	2000	800	1000				
29	42	2000	800	1100				
30	42	2000	800	1200				
31	47	2200	600	600	21130-462	21130-494	21130-221	25127-995
32	47	2200	600	800				
33	47	2200	600	900				
34	47	2200	600	1000				
35	47	2200	600	1100				
36	47	2200	600	1200				
37	47	2200	800	600	21130-463	21130-495	21130-222	25127-995
38	47	2200	800	800				
39	47	2200	800	900				
40	47	2200	800	1000				
41	47	2200	800	1100				
42	47	2200	800	1200				

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Rear panels, connection plates

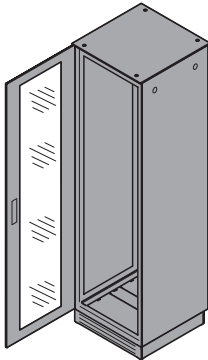
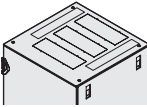
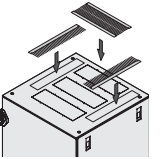
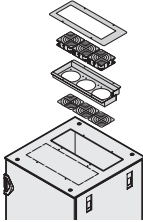
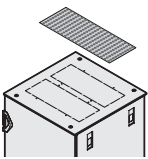
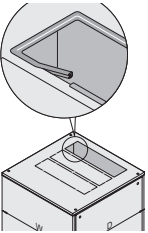
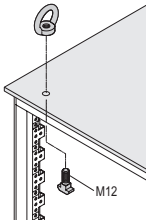
 Completely in RAL 7021 (black grey) Cabinet dimensions Height U Width Depth mm mm mm					Rear panel		Rear panel, screw fixed	Dimensioning connecting plate Door/rear panel	Connecting plate for door and rear panel		
					With quick release fastener	Lock			Plain	With brush strip	Assembly kit
					01004087 St, 1 mm, incl. GND/earthing, please order lock separately	01004072 For quick-release fasteners of rear panel	01004085 St, 1 mm, incl. GND/earthing	01005071 Door and rear panel must be selected 400 mm shorter than the cabinet height; cannot be used with double door	01005063 St, 1 mm, assembly also possible at top, height 400 mm, please order assembly kit separately in conjunction with rear panel RAL 7021	01005069 St, 1 mm, assembly also possible at top, height 400 mm, please order assembly kit separately in conjunction with rear panel RAL 7021	Only required if rear panel with quick-release fastener is assembled above the connecting plate
No.	Height U	Width	Depth	RAL 7021 1 piece assembled	2 pieces assembled	RAL 7021 2 pieces assembled	Width mm	1 piece assembled	1 piece assembled	1 kit assembled	
1	24	1200	600	21130-091	23130-133	21130-061	—	—	—	—	
2	24	1200	600								800
3	24	1200	600								900
4	24	1200	600								1000
5	24	1200	600								1100
6	24	1200	600								1200
7	24	1200	800	21130-092	23130-133	21130-062	—	—	—	—	
8	24	1200	800								800
9	24	1200	800								900
10	24	1200	800								1000
11	29	1400	600	21130-093	23130-133	21130-063	—	—	—	—	
12	29	1400	600								800
13	29	1400	800	21130-094	23130-133	21130-064	—	—	—	—	
14	29	1400	800								800
15	38	1800	600	21130-097	23130-133	21130-067	600	21130-472	21130-478	23130-164	
16	38	1800	600								800
17	38	1800	800	21130-098	23130-133	21130-068	800	21130-473	21130-479	23130-164	
18	38	1800	800								800
19	42	2000	600	21130-099	23130-133	21130-069	600	21130-472	21130-478	23130-164	
20	42	2000	600								800
21	42	2000	600								900
22	42	2000	600								1000
23	42	2000	600								1100
24	42	2000	600								1200
25	42	2000	800	21130-100	23130-133	21130-070	800	21130-473	21130-479	23130-164	
26	42	2000	800								800
27	42	2000	800								900
28	42	2000	800								1000
29	42	2000	800								1100
30	42	2000	800								1200
31	47	2200	600	21130-101	23130-133	21130-071	600	21130-472	21130-478	23130-164	
32	47	2200	600								800
33	47	2200	600								900
34	47	2200	600								1000
35	47	2200	600								1100
36	47	2200	600								1200
37	47	2200	800	21130-102	23130-133	21130-072	800	21130-473	21130-479	23130-164	
38	47	2200	800								800
39	47	2200	800								900
40	47	2200	800								1000
41	47	2200	800								1100
42	47	2200	800								1200

Varistar Standard Product Catalog**Top covers**

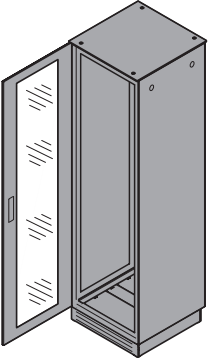
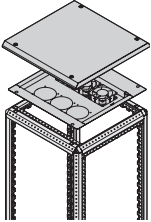
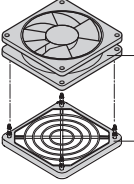
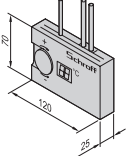
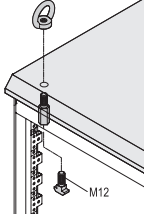
 Completely in RAL 7021 (black grey) Cabinet dimensions No. Height U mm Width mm Depth mm					Flat top cover			Raised top cover	
					Plain	Perforated	Lifting eye	Spacer	Lifting eye
					 01004096 St, 1.5 mm, incl. GND/earthing	 01004097 St, 1.5 mm, perforated throughout, incl. GND/earthing	 01005064 For top cover, application and load in compliance with DIN 582	 01004099 Spacer, St, zinc-plated, for raising a top cover by 10 mm	 01005064 For raised flat top cover, application and loading in accordance with DIN 582
					RAL 7021 1 piece assembled	RAL 7021 1 piece assembled	4 pieces assembled	RAL 7021 4 pieces assembled	4 pieces assembled
1	24	1200	600	600	21130-242	21130-262			
2	24	1200	600	800	21130-243	21130-263			
3	24	1200	600	900	21130-244	21130-264			
4	24	1200	600	1000	21130-245	21130-265	23130-072	23130-068	23130-085
5	24	1200	600	1100	21130-538	21130-546			
6	24	1200	600	1200	21130-539	21130-547			
7	24	1200	800	600	21130-246	21130-266			
8	24	1200	800	800	21130-247	21130-267	23130-072	23130-068	23130-085
9	24	1200	800	900	21130-248	21130-268			
10	24	1200	800	1000	21130-249	21130-269			
11	29	1400	600	600	21130-242	21130-262	23130-072	23130-068	23130-085
12	29	1400	600	800	21130-243	21130-263			
13	29	1400	800	600	21130-246	21130-266	23130-072	23130-068	23130-085
14	29	1400	800	800	21130-247	21130-267			
15	38	1800	600	600	21130-242	21130-262	23130-072	23130-068	23130-085
16	38	1800	600	800	21130-243	21130-263			
17	38	1800	800	600	21130-246	21130-266	23130-072	23130-068	23130-085
18	38	1800	800	800	21130-247	21130-267			
19	42	2000	600	600	21130-242	21130-262			
20	42	2000	600	800	21130-243	21130-263			
21	42	2000	600	900	21130-244	21130-264	23130-072	23130-068	23130-085
22	42	2000	600	1000	21130-245	21130-265			
23	42	2000	600	1100	21130-538	21130-546			
24	42	2000	600	1200	21130-539	21130-547			
25	42	2000	800	600	21130-246	21130-266			
26	42	2000	800	800	21130-247	21130-267			
27	42	2000	800	900	21130-248	21130-268	23130-072	23130-068	23130-085
28	42	2000	800	1000	21130-249	21130-269			
29	42	2000	800	1100	21130-540	21130-548			
30	42	2000	800	1200	21130-541	21130-549			
31	47	2200	600	600	21130-242	21130-262			
32	47	2200	600	800	21130-243	21130-263			
33	47	2200	600	900	21130-244	21130-264	23130-072	23130-068	23130-085
34	47	2200	600	1000	21130-245	21130-265			
35	47	2200	600	1100	21130-538	21130-546			
36	47	2200	600	1200	21130-539	21130-547			
37	47	2200	800	600	21130-246	21130-266			
38	47	2200	800	800	21130-247	21130-267			
39	47	2200	800	900	21130-248	21130-268	23130-072	23130-068	23130-085
40	47	2200	800	1000	21130-249	21130-269			
41	47	2200	800	1100	21130-540	21130-548			
42	47	2200	800	1200	21130-541	21130-549			

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Top covers with cut-out zones

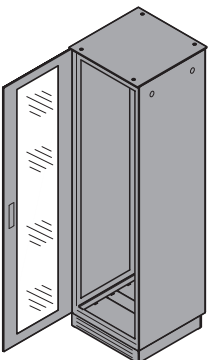
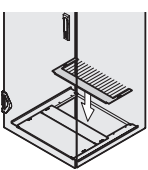
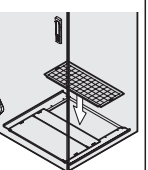
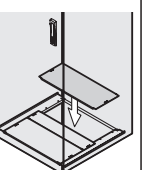
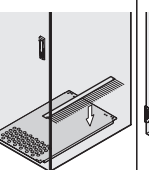
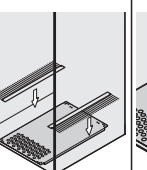
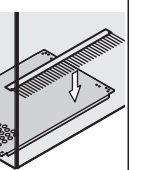
 Completely in RAL 7021 (black grey) Cabinet dimensions Height U mm Width mm Depth mm					Top cover assemblies					
No.	U	mm	mm	mm	Flat top cover with cut-out zones  St, 1.5 mm, incl. GND/earthing, number of cut-outs and dimension drawings see page 27 RAL 7021 1 piece assembled	Brush strip  Nylon, black, one brush strip covers a lateral cut-out, two brush strips cover a center cut-out 2 pieces assembled	Fan insert  115V AC, 3 fans RAL 7021 1 piece assembled	Cover perforated  St, 5 mm cut-outs, incl. GND/earthing RAL 7021 1 piece assembled	Edge protection  PVC, 3 m, black, for open cut-out zones 1 piece enclosed loose	Lifting eye  For top cover, application and load in compliance with DIN 582 4 pieces assembled
1	24	1200	600	600	21130-252					
2	24	1200	600	800	21130-253					
3	24	1200	600	900	21130-254					
4	24	1200	600	1000	21130-255	23130-069	27130-001	23130-071	28127-281	23130-072
5	24	1200	600	1100	21130-542					
6	24	1200	600	1200	21130-543					
7	24	1200	800	600	21130-256					
8	24	1200	800	800	21130-257	23130-069	27130-001	23130-071	28127-281	23130-072
9	24	1200	800	900	21130-258					
10	24	1200	800	1000	21130-259					
11	29	1400	600	600	21130-252	23130-069	27130-001	23130-071	28127-281	23130-072
12	29	1400	600	800	21130-253					
13	29	1400	800	600	21130-256	23130-069	27130-001	23130-071	28127-281	23130-072
14	29	1400	800	800	21130-257					
15	38	1800	600	600	21130-252	23130-069	27130-001	23130-071	28127-281	23130-072
16	38	1800	600	800	21130-253					
17	38	1800	800	600	21130-256	23130-069	27130-001	23130-071	28127-281	23130-072
18	38	1800	800	800	21130-257					
19	42	2000	600	600	21130-252					
20	42	2000	600	800	21130-253	23130-069	27130-001	23130-071	28127-281	23130-072
21	42	2000	600	900	21130-254					
22	42	2000	600	1000	21130-255					
23	42	2000	600	1100	21130-542					
24	42	2000	600	1200	21130-543					
25	42	2000	800	600	21130-256					
26	42	2000	800	800	21130-257					
27	42	2000	800	900	21130-258	23130-069	27130-001	23130-071	28127-281	23130-072
28	42	2000	800	1000	21130-259					
29	42	2000	800	1100	21130-544					
30	42	2000	800	1200	21130-545					
31	47	2200	600	600	21130-252					
32	47	2200	600	800	21130-253	23130-069	27130-001	23130-071	28127-281	23130-072
33	47	2200	600	900	21130-254					
34	47	2200	600	1000	21130-255					
35	47	2200	600	1100	21130-542					
36	47	2200	600	1200	21130-543					
37	47	2200	800	600	21130-256					
38	47	2200	800	800	21130-257					
39	47	2200	800	900	21130-258	23130-069	27130-001	23130-071	28127-281	23130-072
40	47	2200	800	1000	21130-259					
41	47	2200	800	1100	21130-544					
42	47	2200	800	1200	21130-545					

Varistar Standard Product Catalog**Fan top covers**

					Vented top cover			
					Top cover for 6 fans	Replacement fan for fan top	Speed control	Lifting eye
 Completely in RAL 7021 (black grey) Cabinet dimensions Height U mm Width mm Depth mm					 15V AC, 6 fans 01005060	 Fan with finger guard, 115V AC, 38mm kta4844	 For capacitor motors, fully wired, 110 ... 230 V_{AC}, input SCHUKO/UTE plug, output IEC socket; external NTC sensor 1.5 m 01005076	 For fan top cover, applications and static load-carrying in accordance with DIN 582 01005085
No.	U	mm	mm	mm	RAL 7021 1 piece assembled	1 piece supplied loose	1 piece assembled	1 piece assembled
1	24	1200	600	600	27130-002	27130-010	10713-550	23130-090
2	24	1200	600	800	27130-003			
3	24	1200	600	900	—			
4	24	1200	600	1000	—			
5	24	1200	600	1100	—			
6	24	1200	600	1200	—			
7	24	1200	800	600	27130-004	27130-010	10713-550	23130-090
8	24	1200	800	800	27130-005			
9	24	1200	800	900	—			
10	24	1200	800	1000	—			
11	29	1400	600	600	27130-002	27130-010	10713-550	23130-090
12	29	1400	600	800	27130-003			
13	29	1400	800	600	27130-004			
14	29	1400	800	800	21130-403			
15	38	1800	600	600	27130-005	27130-010	10713-550	23130-090
16	38	1800	600	800	27130-003			
17	38	1800	800	600	27130-004			
18	38	1800	800	800	27130-005			
19	42	2000	600	600	27130-002	27130-010	10713-550	23130-090
20	42	2000	600	800	27130-003			
21	42	2000	600	900	—			
22	42	2000	600	1000	—			
23	42	2000	600	1100	—			
24	42	2000	600	1200	—			
25	42	2000	800	600	27130-004	27130-010	10713-550	23130-090
26	42	2000	800	800	27130-005			
27	42	2000	800	900	—			
28	42	2000	800	1000	—			
29	42	2000	800	1100	—			
30	42	2000	800	1200	—			
31	47	2200	600	600	27130-002	27130-010	10713-550	23130-090
32	47	2200	600	800	27130-003			
33	47	2200	600	900	—			
34	47	2200	600	1000	—			
35	47	2200	600	1100	—			
36	47	2200	600	1200	—			
37	47	2200	800	600	27130-004	27130-010	10713-550	23130-090
38	47	2200	800	800	27130-005			
39	47	2200	800	900	—			
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42	47	2200	800	1200	—			

Varistar Standard Product Catalog

Base plate

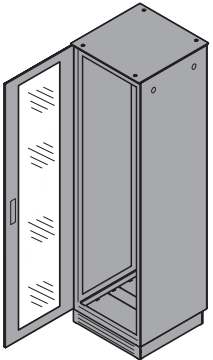
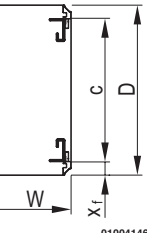
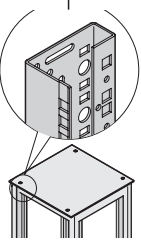
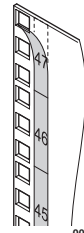
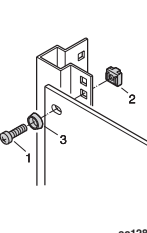
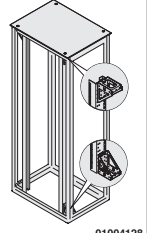
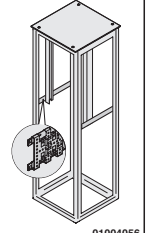
					Base plate, multi-piece	Base plate			Base plate for lateral cable ducting		
						Brush strip	Dust filter set	Cover plate	For cabinet width 600 mm	For cabinet width 800 mm	Brush strip
 Completely in RAL 7021 (black grey) Cabinet dimensions Height U mm Width mm Depth mm					 01004050 St, 1.5 mm, multi-piece, opening to rear 200 mm deep (no rear opening with 300 mm cabinet depth), incl. GND/earthing,	 01004105 Nylon, black, is assembled laterally, please order one brush strip at cabinet width of 600 mm, but two brush strips at cabinet width of 800 mm	 01004059 Filter mat, white, Class M1, in accordance with EN 799-G3	 01004106 St, 1.5 mm	 01006072 St, 1.5 mm, one brush strip opening on one side, please order brush strip separately	 01006094 St, 1.5 mm, brush strip opening on both sides, please order brush strip separately	 01006072 Nylon, black
No.	Height U	Width	Depth		RAL 7021 1 piece assembled	1 piece assembled	1 piece assembled	1 piece assembled	RAL 7021 1 piece assembled	RAL 7021 1 piece assembled	1 piece assembled
1	24	1200	600	600	23130-001				23130-378		23130-074
2	24	1200	600	800	23130-002				23130-353		23130-134
3	24	1200	600	900	23130-003				23130-354		23130-374
4	24	1200	600	1000	23130-004				23130-355		23130-375
5	24	1200	600	1100	23130-358				23130-356		23130-376
6	24	1200	600	1200	23130-359				23130-357		23130-377
7	24	1200	800	600	23130-005					23130-378	23130-074
8	24	1200	800	800	23130-006					23130-353	23130-134
9	24	1200	800	900	23130-007					23130-354	23130-374
10	24	1200	800	1000	23130-008					23130-355	23130-375
11	29	1400	600	600	23130-001				23130-378		23130-074
12	29	1400	600	800	23130-002				23130-353		23130-134
13	29	1400	800	600	23130-005					23130-378	23130-074
14	29	1400	800	800	23130-006					23130-353	23130-134
15	38	1800	600	600	23130-001				23130-378		23130-074
16	38	1800	600	800	23130-002				23130-353		23130-134
17	38	1800	800	600	23130-005					23130-378	23130-074
18	38	1800	800	800	23130-006					23130-353	23130-134
19	42	2000	600	600	23130-001				23130-378		23130-074
20	42	2000	600	800	23130-002				23130-353		23130-134
21	42	2000	600	900	23130-003				23130-354		23130-374
22	42	2000	600	1000	23130-004				23130-355		23130-375
23	42	2000	600	1100	23130-358				23130-356		23130-376
24	42	2000	600	1200	23130-359				23130-357		23130-377
25	42	2000	800	600	23130-005					23130-378	23130-074
26	42	2000	800	800	23130-006					23130-353	23130-134
27	42	2000	800	900	23130-007					23130-354	23130-374
28	42	2000	800	1000	23130-008					23130-355	23130-375
29	42	2000	800	1100	23130-360					23130-356	23130-376
30	42	2000	800	1200	23130-361					23130-357	23130-377
31	47	2200	600	600	23130-001				23130-378		23130-074
32	47	2200	600	800	23130-002				23130-353		23130-134
33	47	2200	600	900	23130-003				23130-354		23130-374
34	47	2200	600	1000	23130-004				23130-355		23130-375
35	47	2200	600	1100	23130-358				23130-356		23130-376
36	47	2200	600	1200	23130-359				23130-357		23130-377
37	47	2200	800	600	23130-005					23130-378	23130-074
38	47	2200	800	800	23130-006					23130-353	23130-134
39	47	2200	800	900	23130-007					23130-354	23130-374
40	47	2200	800	1000	23130-008					23130-355	23130-375
41	47	2200	800	1100	23130-360					23130-356	23130-376
42	47	2200	800	1200	23130-361					23130-357	23130-377

Base/plinth

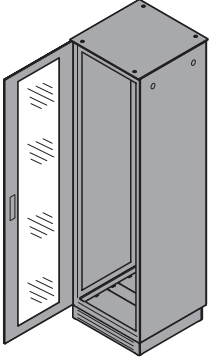
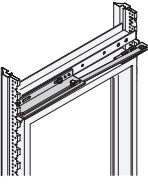
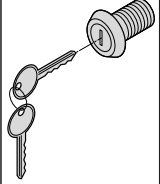
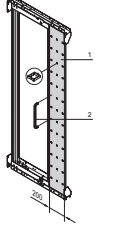
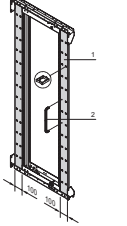
...a brand of  **Pentair**
Electronic Packaging

Varistar Standard Product Catalog

19" panel/slide mounts

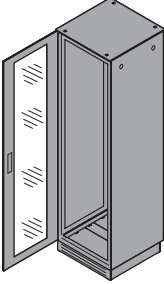
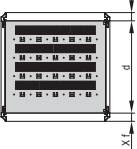
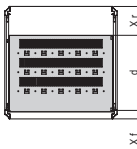
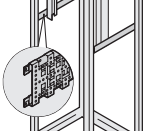
 Completely in RAL 7021 (black grey) Cabinet dimensions Height U mm Width mm Depth mm					Dimension Standard assembly  01004146 x_f = distance from front c = pitch of 19" panel/slide mounts D = cabinet depth W = cabinet width		19" panel/slide mounts EIA Painted RAL 7021 AlZn  01004112 St, 2 mm, at 800 mm width adapter bracket for reduced width is necessary, for partial-height mounting depth members are necessary		U height identification strip for 19" panel/slide mount  00505050 Paper, white, serial numbered from 1 ... 47 U	19" assembly kit M6  sc128 Assembly kit: Item 1: screws, Item 2: cage nuts, Item 3: washers	Adapter bracket for reduced width  01004128 St, 2 mm, Al-Zn, for fixing the 19" panel/slide mount in 800 mm wide cabinets	Depth member 3 rows  01004056 St, 1.5 mm, only required for partial-height mounting
					x_f mm	c mm	RAL 7021 1 pair assembled	1 pair assembled	4 pieces assembled	50 pieces supplied loose	4 pieces assembled	1 pair assembled
No.												
1	24	1200	600	600	50	500						23130-081
2	24	1200	600	800	150	700						23130-082
3	24	1200	600	900	70	740						23130-083
4	24	1200	600	1000	70	740	23130-011	23130-031	25127-997	21101-809	—	23130-084
5	24	1200	600	1100	70	740						23130-364
6	24	1200	600	1200	70	740						23130-365
7	24	1200	800	600	50	500						23130-081
8	24	1200	800	800	150	700	23130-011	23130-031	25127-997	21101-809	23130-091	23130-082
9	24	1200	800	900	70	740						23130-083
10	24	1200	800	1000	70	740						23130-084
11	29	1400	600	600	50	500	23130-012	23130-032	25127-997	21101-809	—	23130-081
12	29	1400	600	800	150	700	23130-012	23130-032	25127-997	21101-809	23130-091	23130-082
13	29	1400	800	600	50	500						23130-081
14	29	1400	800	800	150	700						23130-082
15	38	1800	600	600	50	500	23130-014	23130-034	25127-997	21101-809	—	23130-081
16	38	1800	600	800	150	700						23130-082
17	38	1800	800	600	50	500	23130-014	23130-034	25127-997	21101-809	23130-091	23130-081
18	38	1800	800	800	150	700						23130-082
19	42	2000	600	600	50	500						23130-081
20	42	2000	600	800	150	700						23130-082
21	42	2000	600	900	70	740	23130-015	23130-035	25127-997	21101-809	—	23130-083
22	42	2000	600	1000	70	740						23130-084
23	42	2000	600	1100	70	740						23130-364
24	42	2000	600	1200	70	740						23130-365
25	42	2000	800	600	50	500						23130-081
26	42	2000	800	800	150	700						23130-082
27	42	2000	800	900	70	740	23130-015	23130-035	25127-997	21101-809	23130-091	23130-083
28	42	2000	800	1000	70	740						23130-084
29	42	2000	800	1100	70	740						23130-364
30	42	2000	800	1200	70	740						23130-365
31	47	2200	600	600	50	500						23130-081
32	47	2200	600	800	150	700						23130-082
33	47	2200	600	900	70	740	23130-016	23130-036	25127-997	21101-809	—	23130-083
34	47	2200	600	1000	70	740						23130-084
35	47	2200	600	1100	70	740						23130-364
36	47	2200	600	1200	70	740						23130-365
37	47	2200	800	600	50	500						23130-081
38	47	2200	800	800	150	700						23130-082
39	47	2200	800	900	70	740	23130-016	23130-036	25127-997	21101-809	23130-091	23130-083
40	47	2200	800	1000	70	740						23130-084
41	47	2200	800	1100	70	740						23130-364
42	47	2200	800	1200	70	740						23130-365

Varistar Standard Product Catalog**Swing frame**

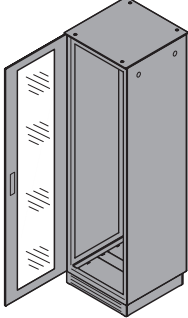
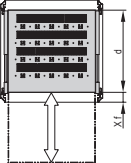
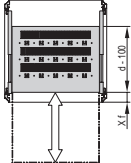
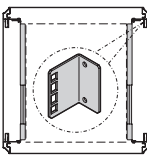
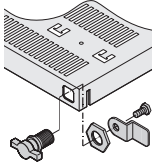
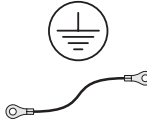
 Completely in RAL 7021 (black grey) Cabinet dimensions No. U Height mm Width mm Depth mm					Swing frame	Stop 120°	Swing frame panel		Door opening 160°		Safety lock
					 01005070 St, 2 mm, load-carrying capacity: 330 lbs, 120° hinge, square locks incl. 2 keys RAL 7021 1 piece assembled	 01005061 St, RAL, swing frame stop is recommended for security reasons RAL 7021 1 kit assembled	Asymmetrical assembly	Symmetrical assembly	Hinge 160°	Stop 160°	 41001517 For swing frame, instead of square locking, incl. 2 keys 1 piece assembled
							 01005058 St, 1.5 mm, cover (item 1, width 1 x 200 mm) incl. handle (item 2) and cut-out for cable eyes RAL 7021 1 piece assembled	 01005057 St, 1.5 mm, cover (item 1, width 1 x 200 mm) incl. handle (item 2) and cut-out for cable eyes RAL 7021 2 pieces assembled	Is screwed to the swing frame in place of the 120° hinge 2 pieces assembled	St, RAL, usable only in connection with 160° hinge, swing frame stop is recommended for security reasons RAL 7021 1 kit assembled	
1	24	1200	600	600							
2	24	1200	600	800							
3	24	1200	600	900							
4	24	1200	600	1000	21130-413	23130-158	—	—	23130-160	23130-159	60113-267
5	24	1200	600	1100							
6	24	1200	600	1200							
7	24	1200	800	600							
8	24	1200	800	800	21130-423	23130-158	21130-432	21130-442	23130-160	23130-159	60113-267
9	24	1200	800	900							
10	24	1200	800	1000							
11	29	1400	600	600	21130-414	23130-158	—	—	23130-160	23130-159	60113-267
12	29	1400	600	800							
13	29	1400	800	600	21130-424	23130-158	21130-433	21130-443	23130-160	23130-159	60113-267
14	29	1400	800	800							
15	38	1800	600	600	21130-416	23130-158	—	—	23130-160	23130-159	60113-267
16	38	1800	600	800							
17	38	1800	800	600	21130-426	23130-158	21130-435	21130-445	23130-160	23130-159	60113-267
18	38	1800	800	800							
19	42	2000	600	600							
20	42	2000	600	800	21130-417	23130-158	—	—	23130-160	23130-159	60113-267
21	42	2000	600	900							
22	42	2000	600	1000							
23	42	2000	600	1100							
24	42	2000	600	1200							
25	42	2000	800	600							
26	42	2000	800	800							
27	42	2000	800	900	21130-427	23130-158	21130-436	21130-446	23130-160	23130-159	60113-267
28	42	2000	800	1000							
29	42	2000	800	1100							
30	42	2000	800	1200							
31	47	2200	600	600							
32	47	2200	600	800							
33	47	2200	600	900	21130-418	23130-158	—	—	23130-160	23130-159	60113-267
34	47	2200	600	1000							
35	47	2200	600	1100							
36	47	2200	600	1200							
37	47	2200	800	600							
38	47	2200	800	800							
39	47	2200	800	900	21130-428	23130-158	21130-437	21130-447	23130-160	23130-159	60113-267
40	47	2200	800	1000							
41	47	2200	800	1100							
42	47	2200	800	1200							

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Stationary shelf

 Completely in RAL 7021 (black grey)		Stationary shelf		
		Full depth	Shortened by 100 mm	Depth member 3 rows
		 01004142 St, 1.5 mm, static load-carrying capacity 165 lbs, 1 U, incl. GND/earthing	 01004143 St, 1.5 mm, static load-carrying capacity 165 lbs, 1 U, incl. GND/earthing, please order depth member separately	 01004056 St, 1.5 mm, necessary for reduced shelf
Width mm	Depth mm	RAL 7021 1 piece assembled	RAL 7021 1 piece assembled	AlZn 1 pair assembled
600	600	21130-323	21130-322	23130-081
600	800	21130-325	21130-324	23130-082
600	900	21130-326	—	—
600	1000	21130-327	—	—
600	1100	21130-550	—	—
600	1200	21130-551	—	—
800	600	21130-333	21130-332	23130-081
800	800	21130-335	21130-334	23130-082
800	900	21130-336	—	—
800	1000	21130-337	—	—
800	1100	21130-552	—	—
800	1200	21130-553	—	—

Telescopic shelf

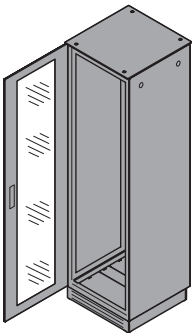
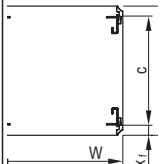
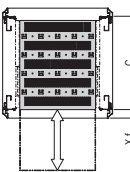
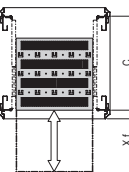
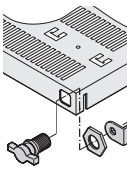
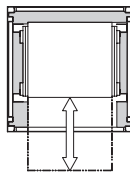
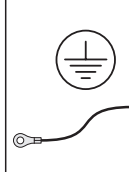
 Completely in RAL 7021 (black grey)		Telescopic shelf, 2 U				
		Full depth	Shortened by 100 mm	Mounting bracket	T-bar lock	GND/earthing
		 01004144 St, 1.5 mm, static load-carrying capacity 150/110 lbs (width 600/800 mm), incl. telescopic slide, please order mounting bracket separately	 01004145 St, 1.5 mm, static load-carrying capacity 150/110 lbs (width 600/800 mm), incl. telescopic slide, please order mounting bracket separately	 01005054 Mounting bracket, St, AlZn	 01004125 To lock the telescopic shelf	 05904052 For telescopic shelf
Width mm	Depth mm	RAL 7021 1 piece assembled	RAL 7021 1 piece assembled	4 pieces assembled	1 piece assembled	1 piece assembled
600	600	21130-353	21130-352	23130-274	23130-092	23130-140
600	800	21130-355	21130-354			
600	900	—	—			
600	1000	—	—			
600	1100	—	—			
600	1200	—	—			
800	600	21130-373	21130-372	23130-274	23130-092	23130-140
800	800	21130-375	21130-374			
800	900	—	—			
800	1000	—	—			
800	1100	—	—			
800	1200	—	—			

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19" shelf, stationary or telescopic, 1 U

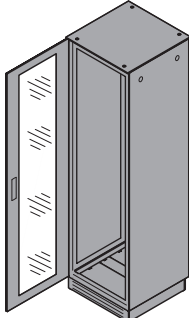
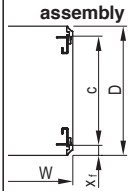
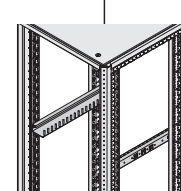
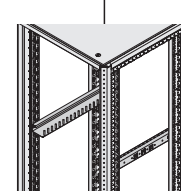
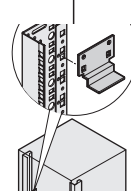
Completely in RAL 7021 (black grey)		Dimension Standard assembly x_f = distance from front c = pitch of 19" panel/slide mounts D = cabinet depth W = cabinet width		19" stationary shelf, 1 U		19" telescopic shelf, 1 U, 65 lbs	
				Full depth 01004146 St, 1.5 mm, static load-carrying capacity 165 lbs, incl. GND/earthing RAL 7021 1 piece assembled	Shortened, by 100 mm 01004118 St, 1.5 mm, static load-carrying capacity 165 lbs, incl. GND/earthing RAL 7021 1 piece assembled	Full depth 01004123 St, 1.5 mm, static load-carrying capacity 65 lbs, incl. telescopic slide, please order GND/earthing kit separately RAL 7021 1 piece assembled	Shortened by 100 mm 01004122 St, 1.5 mm, static load-carrying capacity 65 lbs, incl. telescopic slide, please order GND/earthing kit separately RAL 7021 1 piece assembled
Width mm	Depth mm	x_f mm	c mm	RAL 7021 1 piece assembled	RAL 7021 1 piece assembled	RAL 7021 1 piece assembled	RAL 7021 1 piece assembled
600	600	50	500	21130-303	21130-302	21130-343	21130-342
600	800	150	500	21130-303	21130-302	21130-343	21130-342
600	900	70	740	21130-309	—	—	—
600	1000	70	740	21130-309	—	—	—
600	1100	70	740	21130-309	—	—	—
600	1200	70	740	21130-309	—	—	—
800	600	50	500	21130-303	21130-302	21130-343	21130-342
800	800	150	500	21130-303	21130-302	21130-343	21130-342
800	900	70	740	21130-309	—	—	—
800	1000	70	740	21130-309	—	—	—
800	1100	70	740	21130-309	—	—	—
800	1200	70	740	21130-309	—	—	—

19" telescopic shelf, 2 U

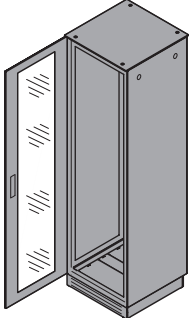
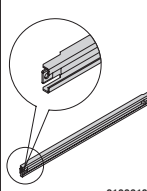
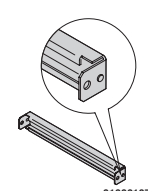
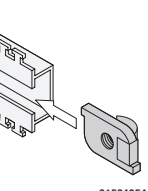
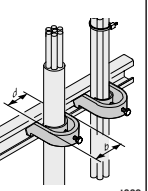
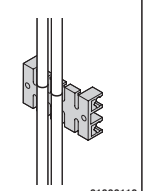
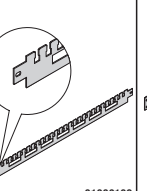
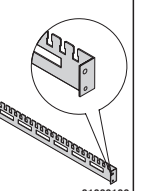
	Dimension Standard assembly		19" telescopic shelf, 2 U, 150 lbs		19" telescopic shelf, 2 U, 330 lbs		GND/earthing	
		x_f = distance from front c = pitch of 19" panel/slide mounts D = cabinet depth W = cabinet width	 01004146	 01004123	 01004122	 01004125	 01004066	 05904052
Completely in RAL 7021 (black grey)			St, 1.5 mm, static load-carrying capacity 150 lbs, incl. telescopic slide, please order T-bar lock and GND/earthing kit separately	St, 1.5 mm, static load-carrying capacity 150 lbs, incl. telescopic slide, please order T-bar lock and GND/earthing kit separately	To lock the telescopic shelf	St, 1.5 mm, static load-carrying capacity 330 lbs, incl. telescopic slide rails and T-bar lock, please order GND/earthing kit separately	For telescopic shelf	
			RAL 7021 1 piece assembled	RAL 7021 1 piece assembled	1 piece assembled	RAL 7021 1 piece assembled	1 kit assembled	
Width mm	Depth mm	x_f mm	c mm					
600	600	50	500	21130-353	21130-352	23130-092	—	23130-140
600	800	150	500	21130-353	21130-352		—	
600	900	70	740	—	—		28127-241	
600	1000	70	740	—	—		28127-241	
600	1100	70	740	—	—		28127-241	
600	1200	70	740	—	—		28127-241	
800	600	50	500	21130-353	21130-352	23130-092	—	23130-140
800	800	150	500	21130-353	21130-352		—	
800	900	70	740	—	—		28127-241	
800	1000	70	740	—	—		28127-241	
800	1100	70	740	—	—		28127-241	
800	1200	70	740	—	—		28127-241	

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Slide rails

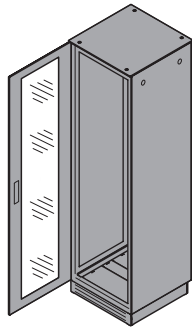
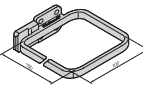
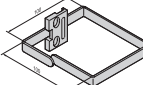
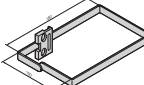
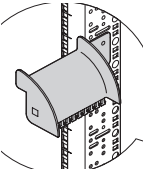
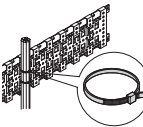
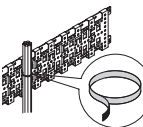
	Dimension Standard assembly  01004146 x_f = distance from front c = pitch of 19" panel/slide mounts D = cabinet depth W = cabinet width		55 lbs				220 lbs				Short slide rail	
			 01004056 St, 1.5 mm, AlZn, static load-carrying capacity 55 lbs/pair				 01004056 St, 2.5 mm, Al-Zn, static load-carrying capacity 220 lbs/pair				 01004056 St, 1.5 mm, Al-Zn, static load-carrying capacity 30 lbs/pair SC96xxxx	
Completely in RAL 7021 (black grey)		Dimension Standard assembly		AlZn		zinc-plated		AlZn				
				2 pieces supplied loose	10 pieces supplied loose	2 pieces supplied loose	10 pieces supplied loose	2 pieces supplied loose	10 pieces supplied loose			
Width mm	Depth mm	x_f mm	c mm									
600	600	50	500	23130-096	23130-101	23130-118	23130-123	23130-094	23130-095			
600	800	150	500	23130-096	23130-101	23130-118	23130-123					
600	900	70	740	23130-098	23130-103	23130-120	23130-125					
600	1000	70	740	23130-098	23130-103	23130-120	23130-125					
600	1100	70	740	23130-098	23130-103	23130-120	23130-125					
600	1200	70	740	23130-098	23130-103	23130-120	23130-125					
800	600	50	500	23130-096	23130-101	23130-118	23130-123	23130-094	23130-095			
800	800	150	500	23130-096	23130-101	23130-118	23130-123					
800	900	70	740	23130-098	23130-103	23130-120	23130-125					
800	1000	70	740	23130-098	23130-103	23130-120	23130-125					
800	1100	70	740	23130-098	23130-103	23130-120	23130-125					
800	1200	70	740	23130-098	23130-103	23130-120	23130-125					

Cable management with C-profiles, cable retention rails

 Completely in RAL 7021 (black grey)		Cable ducting with C-profile					Cable support rail	
		C-rail for cabinet depth	C-rail for cabinet width	Slide nut	Cable shell	Cable support rail for C-rail	For cabinet depth	For cabinet width
		 01006109 St, 1.5 mm, AlZn	 01006107 Plastic, PA6, black, with support brackets, AlZn	 01504054 For C-rail	 vnt009 For C-rail or for cable support rail, for cable bundles of 42 ... 46 mm	 01006110 PA, UL 94 V-0, black, assembly by clipping onto the C-rail	 01006108 St, 1.5 mm	 01006106 Plastic, PA6, black, with support brackets, AlZn
Width mm	Depth mm	AlZn 2 pieces supplied loose	AlZn 2 pieces supplied loose	10 pieces supplied loose	10 pieces supplied loose	5 pieces supplied loose	RAL 7021 2 pieces supplied loose	RAL 7021 2 pieces supplied loose
600	600	23130-086	23130-333	21120-140	20114-731	60118-472	23130-326	21236-093
600	800	23130-087					23130-328	
600	900	23130-088					23130-329	
600	1000	23130-089					23130-330	
600	1100	23130-366					23130-331	
600	1200	23130-367					23130-332	
800	600	23130-086	23130-334	21120-140	20114-731	60118-472	23130-326	23130-312
800	800	23130-087					23130-328	
800	900	23130-088					23130-329	
800	1000	23130-089					23130-330	
800	1100	23130-366					23130-331	
800	1200	23130-367					23130-332	

Varistar Standard Product Catalog

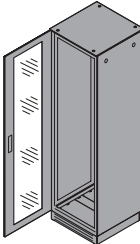
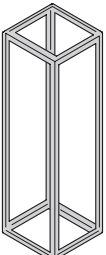
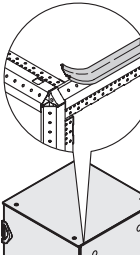
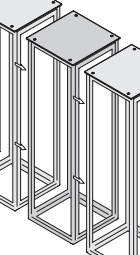
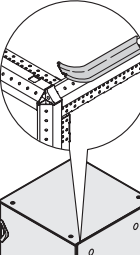
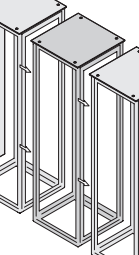
Accessories for cabling

 Completely in RAL 7021 (black grey)		Cable bracket			Fiber optic cable bracket	Tray for excess cable lengths	Cable tie	Velcro
		Plastic 100 x 100 mm  01006079 Plastic, PA6, black, to click onto the frame	Steel 100 x 100 mm  01006081 St, zinc-plated, to screw onto frame or 19" panel/slide mount	Steel 100 x 180 mm  01006098 St, zinc-plated, to screw onto frame or 19" panel/slide mount	 01006074 Plastic, PA6, black, with support brackets, AlZn	 01006113 For assembly on shelf or depth member	 01005078 Plastic, 92 mm x 2.5 mm	 01005079 Black, length 300 mm
Width mm	Depth mm	4 pieces supplied loose	4 pieces supplied loose	4 pieces supplied loose	2 pieces supplied loose	2 pieces supplied loose	25 pieces supplied loose	10 pieces enclosed loose
600	600							
600	800							
600	900							
600	1000	—	—	—	—	23130-050	20118-351	20118-624
600	1100							
600	1200							
800	600							
800	800							
800	900	23130-336	23130-341	23130-342	23130-372	23130-050	20118-351	20118-624
800	1000							
800	1100							
800	1200							

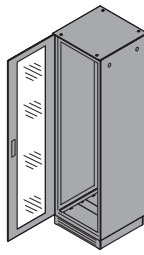
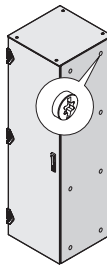
Varistar Standard Product Catalog

Varistar EMC & IP55 Frame, side-by-side mounting kits

Order Information

 Completely in RAL 7021 (black grey)				 Heavy-Duty 1800 lbs 01004078 Static load-carrying capacity: 1800 lbs, St. 1.5 mm, zinc-plated, with central GND/earthing point, please order adjustable feet or casters separately 1 piece assembled	 01004157 IP 55 gasket kit Seals are glued to the frame, so that all cladding parts conform to protection type IP 55 1 kit assembled	 01004120 Side-by-side mounting kit IP 55 1 kit supplied loose	 01004157 EMC gasketing kit Gaskets are glued to the frame, through which all the following cover parts are conductively linked 1 kit assembled	 01004120 Side-by-side mounting kit EMC 1 kit supplied loose
Cabinet dimensions								
No.	U	Height mm	Width mm	Depth mm				
Completely in RAL 7021					RAL 7021			
1	29	1400	600	600	20130-055	23130-064	23130-062	23130-065
2	29	1400	600	800	20130-056			23130-063
3	33	1600	600	600	20130-059	23130-064	23130-062	23130-065
4	33	1600	600	800	20130-060			23130-063
5	38	1800	600	600	20130-063	23130-064	23130-062	23130-065
6	38	1800	600	800	20130-064			23130-063
7	38	1800	800	600	20130-065	23130-064	23130-062	23130-065
9	42	2000	600	600	20130-068	23130-064	23130-062	23130-065
10	42	2000	600	800	20130-069			23130-063
11	42	2000	800	600	20130-072	23130-064	23130-062	23130-065
12	42	2000	800	800	20130-073			23130-063
14	47	2200	600	600	20130-077	23130-064	23130-062	23130-065
15	47	2200	600	800	20130-078			23130-063
16	47	2200	800	800	20130-082			

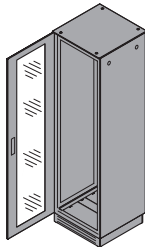
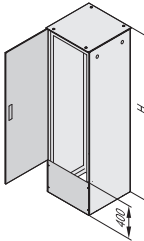
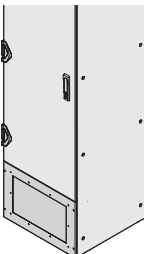
Varistar Standard Product Catalog**Varistar EMC & IP55 Side panels, rear panels, doors****Order Information**

 Completely in RAL 7021 (black grey)					Side panel, screw fixed, EMC, IP 55	Rear panel, screw fixed, EMC, IP 55	Steel door, multi point locking			
					 01004083	 01004085	Plain, EMC, IP 55	Perforated EMC	DIN profile half cylinder	
Cabinet dimensions										
No.	U	Height mm	Width mm	Depth mm	2 pieces assembled	1 piece assembled	1 piece assembled	1 piece assembled	1 piece assembled	1 piece assembled
Completely in RAL 7021					RAL 7021	RAL 7021	RAL 7021	RAL 7021	RAL 7021	
1	29	1400	600	600	21130-023	21130-078	21130-168	21130-198	25127-995	
2	29	1400	600	800	21130-024					
3	33	1600	600	600	21130-025	21130-080	21130-170	21130-200	25127-995	
4	33	1600	600	800	21130-026					
5	38	1800	600	600	21130-027	21130-082	21130-172	21130-202	25127-995	
6	38	1800	600	800	21130-028					
7	38	1800	800	600	21130-027	21130-083	21130-173	21130-203		
9	42	2000	600	600	21130-030	21130-084	21130-174	21130-204	25127-995	
10	42	2000	600	800	21130-031					
11	42	2000	800	600	21130-030	21130-085	21130-175	21130-205	25127-995	
12	42	2000	800	800	21130-031					
14	47	2200	600	600	21130-035	21130-086	21130-176	21130-206	25127-995	
15	47	2200	600	800	21130-036					
16	47	2200	800	800	21130-036	21130-087	21130-177	21130-207		
29	47	2200	600	300	22130-034	22130-086	22130-176	22130-206	25127-995	
30	47	2200	600	600	22130-035					
31	47	2200	600	800	22130-036					
32	47	2200	800	800	22130-036					

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Varistar EMC & IP55 Connecting plate for short doors/rear panels

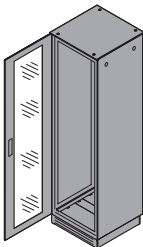
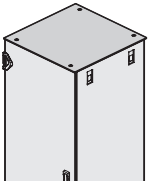
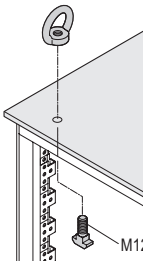
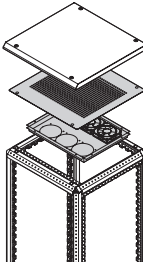
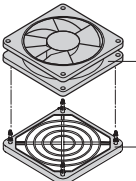
Order Information

 Completely in RAL 7021 (black grey)				Door, Rear panel		HF connecting plate		
				 01005077 Door and rear panel must be selected 400 mm shorter than cabinet height		Flat plate, EMC, IP 55  01005075 Frame, stainless steel, 1 mm, mounting to top or bottom, height 400 mm, plate flat, stainless steel, 1.5 mm Recessed plate, EMC, IP 55  01005074 Frame, stainless steel, 1 mm, mounting to top or bottom, height 400 mm, plate recessed by 40 mm, stainless steel, 1.5 mm		
Cabinet dimensions				1 piece assembled		1 piece assembled		
No.	U	Height mm	Width mm	Depth mm	RAL 7021		RAL 7021	
Completely in RAL 7021					RAL 7021		RAL 7021	
		400	600		21130-578		21130-580	
		400	800		21130-579		21130-581	

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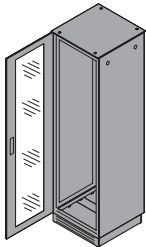
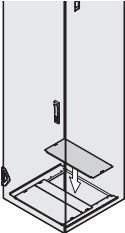
Varistar EMC & IP55 Top covers, fan top covers

Order Information

 Completely in RAL 7021 (black grey)					
Flat top cover,					
EMC, IP 55					
Lifting eye					
Top cover for 6 fans					
Replacement fan for fan top					
 01004096					
 01004090					
 01008050					
 kta44844					
St, 1,5 mm, exterior 7021, interior AlZn, incl. GND/earthing					
for top cover, application and load in compliance with DIN 582					
115V AC, 6 fans, EMC shielded cover					
Fan with finger guard, 115V AC, 38mm					
Cabinet dimensions					
Height Width Depth					
No.	U	mm	mm	mm	
1 piece assembled					
4 pieces assembled					
1 piece assembled					
1 piece supplied loose					
Completely in RAL 7021					
RAL 7021					
1	29	1400	600	600	21130-272
2	29	1400	600	800	21130-273
3	33	1600	600	600	21130-272
4	33	1600	600	800	21130-273
5	38	1800	600	600	21130-272
6	38	1800	600	800	21130-273
7	38	1800	800	600	21130-276
9	42	2000	600	600	21130-272
10	42	2000	600	800	21130-273
11	42	2000	800	600	21130-276
12	42	2000	800	800	21130-277
14	47	2200	600	600	21130-272
15	47	2200	600	800	21130-273
16	47	2200	800	800	21130-277
23130-072					
21370-006					
21370-007					
21370-006					
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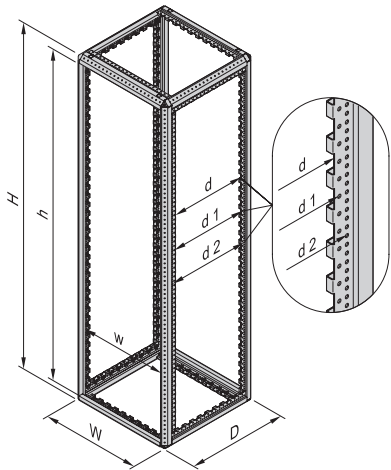
Varistar Standard Product Catalog

Varistar EMC & IP55 Base plate, adjustable feet

 Completely in RAL 7021 (black grey)					Multi-piece base plate, IP55 only			Base plate, EMC, IP55	
					Base plate	Cover	Seal IP 55	One-piece	With cable entry
					 01004050 St, 1.5 mm, multipiece, rear opening 200 mm deep (no rear opening on 300 mm cabinet depth), incl. GND/ earthing, please order separately 1 piece assembled	 01004106 St, 1.5 mm 1 piece assembled	 01004073 For base plate with cover 1 piece assembled	 01004107 St, 1.5 mm, outside RAL 7021, inside AlZn, incl. GND/ earthing, assembly from the outside 1 piece assembled	 01004110 St, 1.5 mm, outside RAL 7021, inside AlZn, opening at rear 60 mm deep, incl. GND/ earthing, assembly from the outside 1 piece assembled
Cabinet dimensions					RAL 7021			RAL 7021	
No.	Height U	Width mm	Depth mm						
Completely in RAL 7021									
1	29	1400	600	600	23130-001	23130-076	23130-073	21130-281	21130-291
2	29	1400	600	800	23130-002			21130-282	21130-292
3	33	1600	600	600	23130-001	23130-076	23130-073	21130-281	21130-291
4	33	1600	600	800	23130-002			21130-282	21130-292
5	38	1800	600	600	23130-001	23130-076	23130-073	21130-281	21130-291
6	38	1800	600	800	23130-002			21130-282	21130-292
7	38	1800	800	600	23130-005	23130-136	23130-073	21130-283	21130-293
8	42	2000	600	300	23130-009	—	23130-073	21130-285	—
9	42	2000	600	600	23130-001	23130-076	23130-073	21130-281	21130-291
10	42	2000	600	800	23130-002			21130-282	21130-292
11	42	2000	800	600	23130-005	23130-136	23130-073	21130-283	21130-293
12	42	2000	800	800	23130-006			21130-284	21130-294
13	47	2200	600	300	23130-009	—	23130-073	21130-285	—
14	47	2200	600	600	23130-001	23130-076	23130-073	21130-281	21130-291
15	47	2200	600	800	23130-002			21130-282	21130-292
16	47	2200	800	800	23130-006	23130-136	23130-073	21130-284	21130-294

Varistar Standard Product Catalog

Frame dimensions



Height

Cabinet height		Frame	
mm	U	H mm	h mm
1200	24	1192	1102
1400	29	1392	1302
1600	33	1592	1502
1800	38	1792	1702
2000	42	1992	1902
2200	47	2192	2102

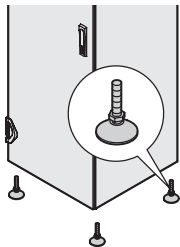
width

Cabinet width	Heavy-Duty Frame	
	W mm	w mm
600	592	502
800	792	702

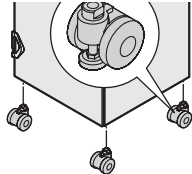
Depth

Cabinet depth	Frame			
	D mm	d mm	d ₁ mm	d ₂ mm
300	292	128.8	150	175
600	592	428.8	450	475
800	792	628.8	650	675
900	892	728.8	750	775
1000	992	828.8	850	875
1100	1092	928.8	950	975
1200	1192	1028.8	1050	1075

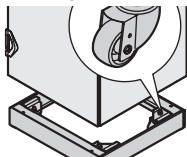
Adjustable feet



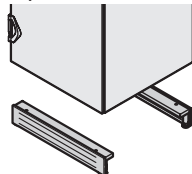
Casters with adjustable feet



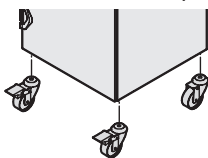
Locking casters



Base/plinth



Mobile base/plinth

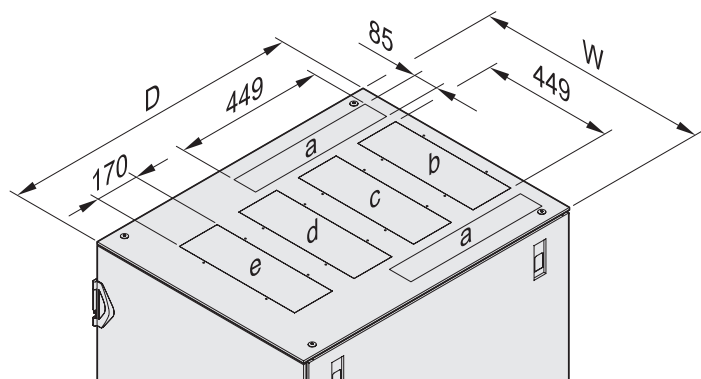


Varistar Frame & Cabinet Specifications

	Standard	Heavy-Duty
Static load	IEC 61587-1	800 kg
Type of protection	IEC 60529	IP 20, IP 55
Shock test	IEC 61587-1	Maximum acceleration: 5 g, duration: 11 ms
Vibration test	IEC 61587-1	Frequency: 5 Hz -100 Hz, acceleration: 1 g
Earthquake test	IEC 61587-2	Standard: up to Bellcore Zone 3, acceleration: 3 g, frequency: 4 Hz ... 5 Hz With strengthening: up to Bellcore Zone 4, acceleration: 5 g, frequency: 2 Hz ... 5 Hz
EMC shielding	IEC 61587-3	60 dB at 1 GHz, 40 db at 3 GHz

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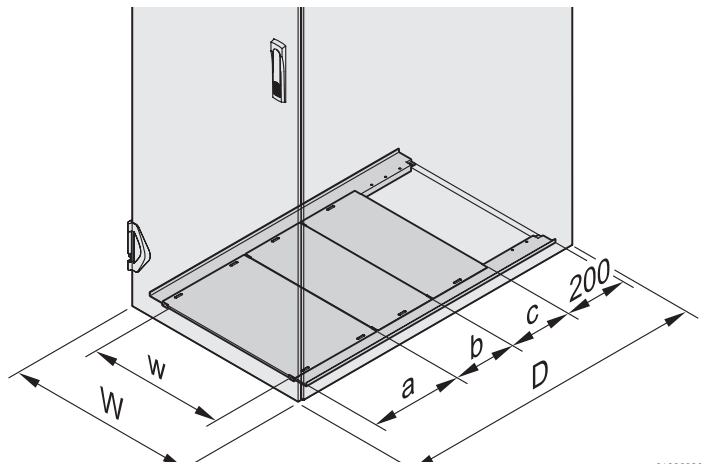
Top cover with cut-out zones



01006097

D	W = 600 mm					W = 800 mm				
	A	B	c	d	E	A	B	c	d	E
600	-	✓	✓	-	-	-	✓	✓	-	-
800	-	✓	✓	✓	-	✓	✓	✓	-	-
900	-	✓	✓	✓	-	✓	✓	✓	✓	-
1000	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
1100	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
1200	-	✓	✓	✓	✓	✓	✓	✓	✓	✓

Base plate, multi-piece



01006096

D	Depth in mm		
	A	B	c
600	300	-	-
800	300	200	-
900	300	300	-
1000	300	200	200
1100	300	300	200
1200	300	300	300

Cabinet width W mm	Opening width w mm
600	426
800	626

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We are where you are



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