



Compact enclosures

Compact enclosures AE

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Compact enclosures AE



System accessories Page 537 **AE stainless steel** Page 184 **AE IP 69K** Page 187 **AE EMC-shielded** Page 201 **Hygienic Design** Page 176

Material:

- Enclosure: Sheet steel
- Door: Sheet steel, all-round foamed-in PU seal

Surface finish:

- Enclosure and door: Dipcoat-primed, powder-coated on the outside, textured paint
- Mounting plate: Zinc-plated

Colour:

RAL 7035

Protection category:

See tables.

Supply includes:

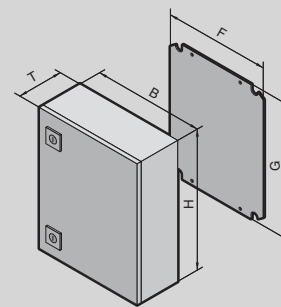
- Enclosure with hinged door(s), of all-round solid construction
- Gland plate(s) in enclosure base
- For single-door enclosures, door hinged on right, may be swapped to left (except with AE 1032.500 and AE 1035.500)
- With cam lock or 3-point lock system
- Mounting plate

Approvals:

- UL
- CSA
- TÜV
- Germanischer Lloyd
- Russian Maritime Register of Shipping
- Lloyds Register of Shipping
- Bureau Veritas
- VDE

Detailed drawings:

Available on the Internet.



Width (B) mm	Packs of	200	200	300	300	300	380	380	380	Page
Height (H) mm		300	300	300	300	400	300	300	380	
Depth (T) mm		120	155	155	210	210	155	210	210	
Mounting plate width (F) mm		162	162	254	254	254	334	334	334	
Mounting plate height (G) mm		275	275	275	275	375	275	275	355	
Material thickness mm	Enclosure	1.25	1.25	1.38	1.38	1.38	1.38	1.38	1.38	
	Door	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
Mounting plate thickness mm		2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	
Cam lock		1	1	1	1	1	1	1	1	
Model No. AE	1	1032.500	1035.500	1036.500	1033.500	1034.500	1030.500	1031.500	1380.500	
Weight (kg)		4.0	4.5	6.1	7.0	8.8	7.4	7.5	9.8	
Protection category	IP 66 to IEC 60 529, complies with NEMA 4.									

Accessories

	Size		1	1	–	–	–	3	3	3	From
	Qty.		1	1	1	1	1	1	1	1	704
Gland plate											
Rails for interior installation	4	–	–	–	2373.210	2373.210	–	2373.210	2373.210	2373.210	647
Wall mounting bracket for external mounting	4	2508.100	2508.100	2508.100	2508.100	2508.100	2508.100	2508.100	2508.100	2508.100	627
Baying kit	1 set	1199.100	1199.100	1199.100	1199.100	1199.100	1199.100	1199.100	1199.100	1199.100	582
Door stay	5	–	–	2519.000	2519.000	2519.000	2519.000	2519.000	2519.000	2519.000	617
180° hinges	2	2449.000	2449.000	2449.000	2449.000	2449.000	2449.000	2449.000	2449.000	2449.000	613
Rain canopies	Sheet steel	1	–	–	–	–	–	–	2501.500	2501.500	619
	Stainless steel	1	–	2470.000	–	2361.000	2361.000	2471.000	2472.000	2472.000	619
Earth straps		see page 689									
LED system light		see page 682									
Wiring plan pocket, plastic		see page 616									
Cable gland		see page 709									
Alternative lock systems		see page 599									

Compact enclosures AE

Width (B) mm	Packs of	380	380	400	400	500	500	500	Page
Height (H) mm		600	600	500	800	500	500	700	
Depth (T) mm		210	350	210	300	210	300	250	
Mounting plate width (F) mm		334	334	354	349	449	449	449	
Mounting plate height (G) mm		570	570	475	770	470	470	670	
Material thickness mm	Enclosure	1.38	1.5	1.38	1.5	1.38	1.5	1.5	
	Door	1.5	1.5	1.5	2.0	1.75	1.75	2.0	
Mounting plate thickness mm		2.5	2.5	2.0	3.0	2.5	2.5	2.5	
Cam lock		2	2	2	2	2	2	2	
Model No. AE	1	1038.500	1338.500	1045.500	1037.500	1050.500	1350.500	1057.500	
Weight (kg)		15.6	19.4	13.0	26.2	16.8	19.6	31.2	
Protection category	IP 66 to IEC 60 529, complies with NEMA 4.								

Accessories										
Gland plate	Size		3	4	4	4	4	4	4	From
	Qty.		1	1	1	1	1	1	1	704
Rails for interior installation	4	2373.210	2373.350	2373.210	2373.300	2373.210	2373.300	2373.250		647
Wall mounting bracket for external mounting	4	2508.100	2508.100	2508.100	2508.100	2508.100	2508.100	2508.100		627
Baying kit	1 set	1199.100	1199.100	1199.100	1199.100	1199.100	1199.100	1199.100		582
Door stay	5	2519.000	2519.000	2519.000	2519.000	2519.000	2519.000	2519.000		617
180° hinge	2	2449.000	2449.000	2449.000	2449.000	2449.000	2449.000	2449.000		613
Support strips	20	–	–	–	–	2325.000	2325.000	2325.000		614
Rain canopies	Sheet steel	1	2501.500	–	–	–	–	–		619
	Stainless steel	1	2472.000	–	–	–	2362.000	–		619
Earth straps	see page 689									
LED system light	see page 682									
Wiring plan pocket, plastic	see page 616									
Cable gland	see page 709									
Dust guard trim	see page 620									
Alternative lock systems	see page 599									

Width (B) mm	Packs of	600	600	600	600	600	600	600	600	600	Page
Height (H) mm		380	380	600	600	600	760	760	800	1000	
Depth (T) mm		210	350	210	250	350	210	350	250	250	
Mounting plate width (F) mm		549	549	549	549	549	549	549	549	539	
Mounting plate height (G) mm		355	355	570	570	570	730	730	770	955	
Material thickness mm	Enclosure	1.38	1.5	1.38	1.5	1.5	1.38	1.5	1.5	1.5	
	Door	1.5	1.5	1.75	1.75	1.75	2.0	2.0	2.0	2.0	
Mounting plate thickness mm		2.5	2.5	2.5	2.5	2.5	3.0	3.0	3.0	3.0	
Cam lock		1	1	2	2	2	2	2	2	2	
Model No. AE	1	1039.500	1339.500	1060.500	1054.500	1360.500	1076.500	1376.500	1058.500	1090.500	
Weight (kg)		15.4	20.0	22.8	24.8	28.4	32.1	36.0	33.6	50.5	
Protection category	IP 66 to IEC 60 529, complies with NEMA 4.										

Accessories												
Gland plate	Size Qty.		5 1	5 1	5 1	5 1	5 1	5 1	5 1	5 1	5 1	From 704
Rails for interior installation		4	2373.210	2373.350	2373.210	2373.250	2373.350	2373.210	2373.350	2373.250	2373.250	647
Wall mounting bracket for external mounting		4	2508.100	2508.100	2508.100	2508.100	2508.100	2508.100	2508.100	2508.100	2508.100	627
Baying kit		1 set	1199.100	1199.100	1199.100	1199.100	1199.100	1199.100	1199.100	1199.100	–	582
Door stay		5	2519.000	2519.000	2519.000	2519.000	2519.000	2519.000	2519.000	2519.000	2519.000	617
180° hinge		2	2449.000	2449.000	2449.000	2449.000	2449.000	2449.000	2449.000	2449.000	2449.000	613
Support strips		20	2326.000	2326.000	2326.000	2326.000	2326.000	2326.000	2326.000	2326.000	2326.000	614
Rain canopies	Sheet steel	1	2502.500	2511.500	2502.500	–	2511.500	2502.500	2511.500	–	–	619
	Stainless steel	1	2473.000	–	2473.000	–	–	2473.000	–	–	–	619
Earth straps	see page 689											
LED system light	see page 682											
Wiring plan pocket, plastic	see page 616											
Cable gland	see page 709											
Dust guard trim	see page 620											
Alternative lock systems	see page 599											

Compact enclosures AE

Width (B) mm	Packs of	600	760	760	800	800	800	Page
Height (H) mm		1200	760	760	600	1000	1200	
Depth (T) mm		300	210	300	300	300	300	
Mounting plate width (F) mm		540	704	704	749	739	740	
Mounting plate height (G) mm		1155	730	730	570	955	1155	
Material thickness	Enclosure	1.5	1.5	1.5	1.5	1.5	1.5	
	Door	2.0	2.0	2.0	2.0	2.0	2.0	
Mounting plate thickness mm		3.0	3.0	3.0	2.5	3.0	3.0	
Cam lock		–	2	2	2	2	–	
3-point lock system		■	–	–	–	–	■	
Model No. AE	1	1260.500	1077.500	1073.500	1055.500	1180.500	1280.500	
Weight (kg)		55.0	40.0	44.5	33.9	57.0	70.0	
Protection category	IP 66 to IEC 60 529, complies with NEMA 4.							

Accessories								
Gland plate	Size		5	5	5	5	5	From 704
	Qty.		1	1	1	1	1	
Rails for interior installation	4	2373.300	2373.210	2373.300	2373.300	2373.300	2373.300	647
Wall mounting bracket for external mounting	4	2508.100	2508.100	2508.100	2508.100	2508.100	2508.100	627
Baying kit	1 set	–	1199.100	1199.100	1199.100	–	–	582
Door stay	5	2519.000	2519.000	2519.000	2519.000	2519.000	2519.000	617
180° hinge	2	2449.000	2449.000	2449.000	2449.000	2449.000	2449.000	613
Support strips	20	2326.000	2327.000	2327.000	2328.000	2328.000	2328.000	614
Rain canopies, stainless steel	1	–	–	2474.000	2475.000	2475.000	2475.000	619
Base/plinth	Height 100 mm	1	2816.200	–	–	–	–	551
	Height 200 mm	1	2826.200	–	–	–	–	551
Eyebolts	4	2509.000	–	–	–	–	–	626
Earth straps	see page 689							
LED system light	see page 682							
Wiring plan pocket, plastic	see page 616							
Cable gland	see page 709							
Dust guard trim	see page 620							
Alternative lock systems	see page 599							

Width (B) mm	Packs of	1000	1000	1000	1000	1000	Page
Height (H) mm		760	760	1000	1200	1400	
Depth (T) mm		210	300	300	300	300	
Mounting plate width (F) mm		944	944	939	940	940	
Mounting plate height (G) mm		730	730	955	1155	1355	
Material thickness	Enclosure	1.5	1.5	1.5	1.5	1.5	
	Door	2.0	2.0	2.0	2.0	2.0	
Mounting plate thickness mm		3.0	3.0	3.0	3.0	3.0	
Cam lock		2	2	2	–	–	
3-point lock system		–	–	–	■	■	
Model No. AE	1	1100.500	1130.500	1110.500	1213.500	1114.500	
Door(s)		2	2	2	2	2	
Weight (kg)		52.0	56.0	71.0	85.0	97.0	
Protection category	IP 55 to IEC 60 529, complies with NEMA 12.						

Accessories							
Gland plate	Size		4	4	4	4	From 704
	Qty.		2	2	2	2	
Rails for interior installation	4	2373.210	2373.300	2373.300	2373.300	2373.300	647
Wall mounting bracket for external mounting	4	2508.100	2508.100	2508.100	2508.100	2508.100	627
Baying kit	1 set	1199.100	1199.100	–	–	–	582
Door stay	5	2519.000	2519.000	2519.000	2519.000	2519.000	617
180° hinge	2	2449.000	2449.000	2449.000	2449.000	2449.000	613
Support strips	20	2325.000	2325.000	2325.000	2325.000	2325.000	614
Rain canopies, stainless steel	1	–	2363.000	2363.000	2363.000	2363.000	619
Base/plinth	Height 100 mm	1	–	2801.200	2801.200	2801.200	551
	Height 200 mm	1	–	2802.200	2802.200	2802.200	551
Eyebolts	4	–	–	–	2509.000	2509.000	626
Earth straps	see page 689						
LED system light	see page 682						
Wiring plan pocket, plastic	see page 616						
Alternative lock systems	see page 599						

Compact enclosures AE



ISV assembly modules Page 362 ISV accessories Page 369 System accessories Page 537

Suitable for wall mounting (surface mounting). Prepared for the direct installation of ISV assembly modules.

Material:

- Enclosure: Sheet steel
- Door: Sheet steel, all-round foamed-in PU seal

Surface finish:

- Enclosure and door: Dipcoat-primed, powder-coated on the outside, textured paint
- Support plate: Zinc-plated
- Contact hazard protection frame: Textured paint

Colour:

RAL 7035

Protection category:

See table.

Supply includes:

- Stainless steel without gland plate
- R/h door hinge, may be swapped to opposite side (except with SV 9665.855)
- Support plate to accommodate the ISV modules

Note:

Please note the mounting depths of the various enclosure designs when selecting modules.

Detailed drawings:

Available on the Internet.

ISV wall-mounted distributor

Width mm	Packs of	380	500	600	600	600	1000	Page
Height mm		600	700	760	1000	1200	1200	
Depth mm		210	250	210	250	300	300	
Width unit (WU) ¹⁾		1	1	2	2	2	3	
Height unit (U) ²⁾		3	4	4	6	7	7	
Max. pitch units		36	48	96	144	168	252	
Cam lock		2	2	2	2	–	–	
3-point lock system		–	–	–	–	■	■	
Model No. SV	1	9665.805	9665.815	9665.825	9665.835	9665.845	9665.855	
Technical specifications correspond to Model No. AE		1038.500	1057.500	1076.500	1090.500	1260.500	1213.500	45/46
Door(s)		1	1	1	1	1	2	
Protection category ³⁾		IP 66	IP 66	IP 66	IP 66	IP 66	IP 55	

Also required

Gland plates	Plastic		2561.010	2562.010	2563.010	2563.010	2563.010	2562.010	704
	Plastic membrane		2561.500	2562.500	2563.500	2563.500	2563.500	2562.500	705
	Metal		2561.100	2562.100	2563.100	2563.100	2563.100	2562.100	706
	Qty.		1	1	1	1	1	2	

Accessories

Self-tapping screws		300	–	–	–	–	2487.000	2487.000	666
Base/plinth	Height 100 mm	1	–	–	–	–	2816.200	2801.200	551
	Height 200 mm	1	–	–	–	–	2826.200	2802.200	551
Eyebolts		4	–	–	–	–	2509.000	2509.000	626
Rain canopies	Sheet steel	1	2501.500	–	2502.500	–	–	–	619
	Stainless steel	1	2472.000	–	2473.000	–	–	2363.000	619

Alternative lock systems

see page 599

¹⁾ 1 WU $\triangleq$ 250 mm ²⁾ 1 U $\triangleq$ 150 mm

³⁾ Max. protection category with closed door depends on the cable gland plate and cable entry used.

Compact enclosures AE



System accessories Page 537 AE stainless steel Page 184 AE EMC-shielded Page 201 AE for potentially explosive areas Page 198 Hygienic Design Page 176

Perfect protection in a tough environment

The compact enclosure AE in IP 69K is the ideal solution when a high protection category and corrosion resistance are needed.

- Resistant to high-pressure cleaning (protection category IP 69K). The interior seal is protected against direct hosed water.
- Ideal for mounting on vehicles: Lock, hinges and mounting plate are all vibration resistant.

- The enclosure and door have an aluminium zinc coating for a high level of corrosion protection.
- Foamed-in silicone seal, water-impermeable, with high resistance to temperature and chemicals.
- Prepared to accommodate the door stay AE 1101.800 and the interior door.
- Prepared for wall-mounting via M8 nuts directly from the rear.

Material:

- Enclosure: Sheet steel
- Door: Sheet steel, all-round foamed-in silicone seal

Surface finish:

- Enclosure and door: Aluminium zinc coating, powder-coated, textured paint
- Mounting plate: Zinc-plated

Colour:

RAL 7035

Protection category:

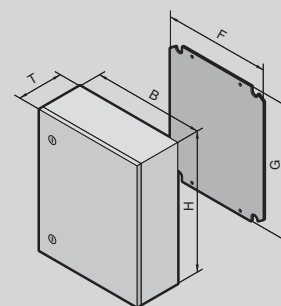
IP 69K to DIN 40 050-9

Supply includes:

- Enclosure with hinged door, of all-round solid construction
- Door hinge may be swapped to opposite side by rotating the enclosure
- Cam lock with double-bit insert

Detailed drawings:

Available on the Internet.



Protection category IP 69K

Width (B) mm	Packs of	230	400	400	650	Page
Height (H) mm		330	400	650	650	
Depth (T) mm		155	250	250	250	
Mounting plate width (F) mm		162	334	334	549	
Mounting plate height (G) mm		275	355	570	570	
Mounting plate thickness mm		2	2	2.5	2.5	
Model No. AE	1	1101.010	1101.020	1101.030	1101.040	
Weight (kg)		6.6	13.8	20	29.6	
Locks		1	1	2	2	
Accessories						
Interior door	1	1101.910	1101.920	1101.930	1101.940	588
Door stay	1	1101.800	1101.800	1101.800	1101.800	617
Wall mounting bracket						see page 627
Cable gland						see page 709
Earth straps						see page 689
Support rail TS 35, length 2 m						see page 655



Compact system enclosures Rittal CM



System accessories Page 537 **System lights** Page 679 **Cable duct** Page 716 **Climate control** Page 389

Material:

- Enclosure: Sheet steel, 1.5 mm
- Door: Sheet steel, 2.0 mm, All-round foamed-in PU seal
- Mounting plate: Sheet steel, 3.0 mm

Surface finish:

- Enclosure and door: Dipcoat-primed, powder-coated on the outside, textured paint
- Mounting plate: Zinc-plated

Colour:

RAL 7035

Protection category:

IP 55 to IEC 60 529, complies with NEMA 12 provided suitable gland plates are selected.

Supply includes:

- Enclosure with hinged door(s)
- R/h door hinge with single-door enclosures, may be swapped to opposite side
- 3-point lock
- Mounting plate
- Open base for individual cable entry



Also required:

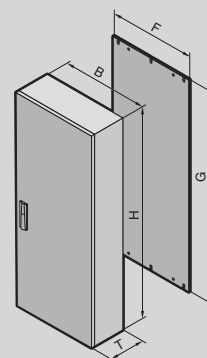
- Gland plates, see page 560 – 562
- Or trim panel, see page 563

Approvals:

- UL
- CSA
- TÜV
- Lloyds Register of Shipping

Detailed drawings:

Available on the Internet.



Width: 600 – 800 mm, height: 800 – 1200 mm

Width (B) mm	Packs of	600	600	600	600	800	800	800	800	Page
Height (H) mm		800	1000	1200	1200	1000	1000	1200	1200	
Depth (T) mm		400	400	300	400	300	400	300	400	
Mounting plate width (F) mm		540	540	540	540	740	740	740	740	
Mounting plate height (G) mm		755	955	1155	1155	955	955	1155	1155	
Model No. CM	1	5110.500	5111.500	5112.500	5113.500	5114.500	5115.500	5116.500	5117.500	
Door		1	1	1	1	1	1	1	1	
Base/plinth										
Components front and rear	Height 100 mm	1 set	8601.600	8601.600	8601.600	8601.600	8601.800	8601.800	8601.800	543
	Height 200 mm	1 set	8602.600	8602.600	8602.600	8602.600	8602.800	8602.800	8602.800	543
Trim panels (sides)	Height 100 mm	1 set	8601.040	8601.040	8601.030	8601.040	8601.030	8601.040	8601.030	544
	Height 200 mm	1 set	8602.040	8602.040	8602.030	8602.040	8602.030	8602.040	8602.030	544
Accessories										
Rail for interior installation	for height	4	5001.051	5001.052	5001.053	5001.053	5001.052	5001.052	5001.053	647
	for width	4	5001.050	5001.050	5001.050	5001.050	5001.051	5001.051	5001.051	647
Matching punched sections with mounting flanges	in depth	4	8612.140	8612.140	8612.130	8612.140	8612.130	8612.140	8612.130	647
	in width	4	8612.060	8612.060	8612.060	8612.060	8612.080	8612.080	8612.080	647
Base configuration rail		2	5001.370	5001.370	5001.371	5001.370	5001.371	5001.370	5001.371	649
Mounting plate slide block		2	5001.070	5001.070	5001.070	5001.070	5001.070	5001.070	5001.070	634
Support strips for door		20	4596.000	4596.000	4596.000	4596.000	4598.000	4598.000	4598.000	614
TS punched section with mounting flange, 17 x 73 mm		4	8612.050	8612.050	8612.050	8612.050	–	–	–	647
Cable clamp rails		1	5001.080	5001.080	5001.080	5001.080	5001.081	5001.081	5001.081	717
Sheet steel wiring plan pocket, depth 35 mm		1	4116.500	4116.500	4116.500	4116.500	4118.500	4118.500	4118.500	617
Rain canopy/vented roof		1	5001.310	5001.310	–	5001.310	–	5001.330	–	619
Alternative lock systems			see page 599							

Compact system enclosures Rittal CM

Width: 1000 – 1200 mm, height: 1000 – 1400 mm

Width (B) mm	Packs of	1000	1000	1000	1000	1000	1200	Page
Height (H) mm		1000	1200	1200	1400	1400	1200	
Depth (T) mm		300	300	400	300	400	400	
Mounting plate width (F) mm		940	940	940	940	940	1140	
Mounting plate height (G) mm		955	1155	1155	1355	1355	1155	
Model No. CM	1	5118.500	5119.500	5120.500	5121.500	5122.500	5123.500	
Doors		2	2	2	2	2	2	
Base/plinth								
Components front and rear	Height 100 mm	1 set	8601.000	8601.000	8601.000	8601.000	8601.000	543
	Height 200 mm	1 set	8602.000	8602.000	8602.000	8602.000	8602.000	543
Trim panels, sides	Height 100 mm	1 set	8601.030	8601.030	8601.040	8601.030	8601.040	544
	Height 200 mm	1 set	8602.030	8602.030	8602.040	8602.030	8602.040	544
Accessories								
Rail for interior installation	for height	4	5001.052	5001.053	5001.053	5001.054	5001.054	647
	for width	4	5001.052	5001.052	5001.052	5001.052	5001.052	647
Matching punched sections with mounting flanges	in depth	4	8612.130	8612.130	8612.140	8612.130	8612.140	647
	in width	4	8612.000	8612.000	8612.000	8612.000	8612.020	647
Base configuration rail		2	5001.371	5001.371	5001.370	5001.371	5001.370	649
Mounting plate slide block		2	5001.070	5001.070	5001.070	5001.070	5001.070	634
Support strips for door		20	4309.000	4309.000	4309.000	4309.000	4309.000	614
TS punched section with mounting flange, 17 x 73 mm		4	8612.040	8612.040	8612.040	8612.040	8612.040	647
Cable clamp rails		1	5001.082	5001.082	5001.082	5001.082	5001.082	717
Sheet steel wiring plan pocket, depth 35 mm		1	4115.500	4115.500	4115.500	4115.500	4115.500	617
Rain canopy/vented roof		1	–	–	5001.350	–	5001.350	619
Alternative lock systems			see page 599					



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