

Rittal – The System.

Faster – better – everywhere.

VX25 Ri4Power ISV

The distribution enclosure system for VX25 and AX



ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

FRIEDHELM LOH GROUP





Ri4Power distribution enclosures

The benefits speak for themselves:

- By using the VX25 or of the new AX enclosure system, the ISV product portfolio builds on a system that has already been proven many times over.
 - Simple assembly
 - Fast, ergonomic installation
 - Large selection of enclosure types
 - With stainless steel enclosure types available as standard, also ideally suited for exposed and aggressive ambient conditions
- Design verification to IEC 61 439
- Manufacturer-independent device selection
 - ABB
 - Eaton
 - Schneider Electric
 - Siemens
- With the planning software Rittal Power Engineering, the ISV system is quickly and easily configured. The planning, ordering and assembly times are significantly reduced. This actively saves time and money.

Yet more options:

- Installation modules for 4 width units
- The bus-mounting fuse bases may be combined in one installation module with the switchable D-Switch units and the NH fuse-switch disconnectors size 000.
- Extended selection of ISV installation modules



Baying enclosure system VX25



ISV assembly modules Page 10

Material and surface finish:

- Enclosure frame: Sheet steel, 1.5 mm, dipcoat-primed
- Roof: Sheet steel, 1.5 mm, dipcoat-primed, powder-coated on the outside, textured paint
- Door: Sheet steel, 2 mm, dipcoat-primed, powder-coated on the outside, textured paint
- Rear panel: Sheet steel, 1.5 mm, dipcoat-primed, powder-coated on the outside, textured paint
- Gland plates: Sheet steel, 1.5 mm, zinc-plated

Colour:

- RAL 7035

Basis of test:

- IEC 61 439-1/-2

Protection category IP to IEC 60 529:

- IP 55

Protection category NEMA:

- NEMA 12

Supply includes:

- Enclosure frame
- Door(s) (r/h hinge, may be swapped to opposite side)
- Gland plates
- Roof plate
- Rear panel
- Lock: 3 mm double-bit

Note:

- For 600 mm wide distribution enclosures, please use basic enclosures.

Distribution enclosure

Width mm	Packs of	850	1100	850	1100	Page
Height mm		2000	2000	2000	2000	
Depth mm		400	400	600	600	
Model No.	1 pc(s).	9666.956	9666.966	9666.916	9666.926	
Weight, approx. kg		111.0	146.0	117.0	156.0	
Product-specific scope of supply						
Door(s)		1	2	1	2	
Also required						
Installation kit	1 pc(s).	9666.912	9666.922	9666.912	9666.922	9
Mounting angle	2 pc(s).	9666.712	9666.712	9666.712	9666.712	15
Depth stay	2 pc(s).	-	9666.732	-	9666.732	15
Accessories						
Base/plinth corner pieces with base/plinth trim panel, front and rear, 100 mm	2 pc(s).	8620.004	8620.006	8620.004	8620.006	
Base/plinth trim panels, side, 100 mm	2 pc(s).	8620.031	8620.031	8620.033	8620.033	
Base/plinth corner pieces with base/plinth trim panel, front and rear, 200 mm	2 pc(s).	2 x 8620.004	2 x 8620.006	2 x 8620.004	2 x 8620.006	
Base/plinth trim panels, side, 200 mm	2 pc(s).	2 x 8620.031	2 x 8620.031	2 x 8620.033	2 x 8620.033	
Levelling feet	4 pc(s).	4612.000	4612.000	4612.000	4612.000	
Side panels, screw-fastened, sheet steel	2 pc(s).	8104.245	8104.245	8106.245	8106.245	
Baying bracket, internal	6 pc(s).	8617.500	8617.500	8617.500	8617.500	
Baying block, internal	6 pc(s).	8617.501	8617.501	8617.501	8617.501	
Baying connector, external	6 pc(s).	8617.502	8617.502	8617.502	8617.502	
Roof plate for cable entry glands	1 pc(s).	9681.594	9681.514	9681.596	9681.516	
Cable entry glands	14 x M25/32	1 pc(s).	9665.750	9665.750	9665.750	9665.750
	2 x M25/32/40, 1 x M32/40/50, 2 x M40/50/63	1 pc(s).	9665.760	9665.760	9665.760	9665.760
	With sealing membranes 32 x Ø 7 – 16 mm, 4 x Ø 10 – 20 mm, 3 x Ø 14 – 26 mm	1 pc(s).	9665.770	9665.770	9665.770	9665.770
	With entry fittings up to Ø 66 mm	1 pc(s).	9665.780	9665.780	9665.780	9665.780
	Solid	4 pc(s).	9665.785	9665.785	9665.785	9665.785

Baying enclosure system VX25



VX25, stainless steel Page 7 ISV installation modules Page 10

Material and surface finish:

- Enclosure frame: Sheet steel, 1.5 mm, dipcoat-primed
- Roof: Sheet steel, 1.5 mm, dipcoat-primed, powder-coated on the outside, textured paint
- Door: Sheet steel, 2 mm, dipcoat-primed, powder-coated on the outside, textured paint
- Rear panel: Sheet steel, 1.5 mm, dipcoat-primed, powder-coated on the outside, textured paint
- Gland plates: Sheet steel, 1.5 mm, zinc-plated
- Mounting plate: Sheet steel, 3 mm, zinc-plated

Protection category NEMA:

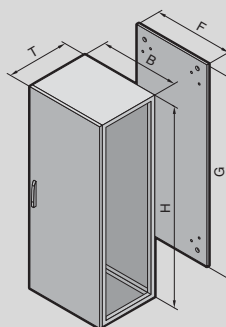
- NEMA 12

Supply includes:

- Enclosure frame
- Door(s) (r/h hinge, may be swapped to opposite side)
- Roof plate
- Rear panel
- Gland plates
- Mounting plate
- 2 punched rails 18 x 39 mm
- Lock: 3 mm double-bit

Approvals:

- UL
 - cUL
- Further approvals can be found on the Internet.



Colour:

- RAL 7035

Protection category IP to IEC 60 529:

- IP 55

Basic enclosure, sheet steel

Width (B) mm	Packs of	600	600	600	600	600	Page
Height (H) mm		1800	1800	1800	2000	2000	
Depth (T) mm		400	500	600	400	600	
Mounting plate width (F) mm		499	499	499	499	499	
Mounting plate height (G) mm		1696	1696	1696	1896	1896	
Model No.	1 pc(s).	8684.000	8685.000	8686.000	8604.000	8606.000	
Weight, approx. kg		91.3	93.8	96.8	99.0	104.0	
Product-specific scope of supply							
Door(s)		1	1	1	1	1	
Also required							
Installation kit	1 pc(s).	9666.932	9666.932	9666.932	9666.902	9666.902	9
Mounting angle	2 pc(s).	9666.711	9666.711	9666.711	9666.712	9666.712	15
Accessories							
Base/plinth corner pieces with base/plinth trim panel, front and rear, 100 mm	2 pc(s).	8620.002	8620.002	8620.002	8620.002	8620.002	
Base/plinth trim panels, side, 100 mm	2 pc(s).	8620.031	8620.032	8620.033	8620.031	8620.033	
Base/plinth corner pieces with base/plinth trim panel, front and rear, 200 mm	2 pc(s).	8620.022	8620.022	8620.022	8620.022	8620.022	
Base/plinth trim panels, side, 200 mm	2 pc(s).	8620.041	8620.042	8620.043	8620.041	8620.043	
Levelling feet	4 pc(s).	4612.000	4612.000	4612.000	4612.000	4612.000	
Side panels, screw-fastened, sheet steel	2 pc(s).	8184.245	8185.245	8186.245	8104.245	8106.245	

Compact enclosures AX



AX, stainless steel Page 8 ISV installation modules Page 10

Material:

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

Surface finish:

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

Colour:

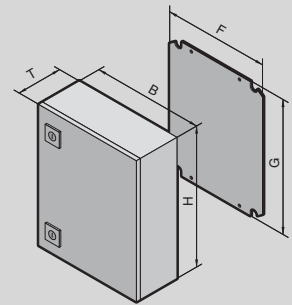
- RAL 7035

Supply includes:

- Enclosure with door(s)
 - Gland plate(s) in enclosure base
 - Mounting plate
 - Perforated door strip
 - Lock: 3 mm double-bit
- Please note the product-specific scope of supply.

Approvals:

- UL
 - cUL
 - CSA
- Further approvals can be found on the Internet.



Basic enclosure, sheet steel

	Packs of	380	500	600	600	600	1000	Page
Width (B) mm								
Height (H) mm		600	700	760	1000	1200	1200	
Depth (T) mm		210	250	210	250	300	300	
Mounting plate width (F) mm		330	450	550	545	545	945	
Mounting plate height (G) mm		575	675	735	975	1175	1175	
Material thickness – enclosure mm		1.25	1.5	1.5	1.5	1.5	1.5	
Material thickness – door mm		1.5	2.0	2.0	2.0	2.0	2.0	
Material thickness – mounting plate mm		2.5	2.5	2.5	2.5	2.5	2.5	
Model No.	1 pc(s).	1038.000	1057.000	1076.000	1090.000	1260.000	1213.000	
Weight, approx. kg		15.6	31.2	32.1	50.5	55.0	85.0	
Protection category IP to IEC 60 529		IP 66	IP 66	IP 66	IP 66	IP 66	IP 55	
Protection category NEMA		NEMA 4	NEMA 4	NEMA 4	NEMA 4	NEMA 4	NEMA 12	
Product-specific scope of supply								
Door(s)		1	1	1	1	1	2	
Door hinged on the right, may be swapped to the left		■	■	■	■	■	–	
Cam lock		2	2	2	2	–	–	
3-point lock system		–	–	–	–	■	■	
Gland plate, size		2	3	4	4	7	6	
Gland plate, qty		1	1	1	1	1	2	
Also required								
Installation kit	1 pc(s).	9666.801	9666.811	9666.821	9666.831	9666.841	9666.851	9
Accessories								
Wall mounting bracket, for AX sheet steel, KX sheet steel, wall distance 15 mm	4 pc(s).	2508.020	2508.020	2508.020	2508.020	2508.020	2508.020	
Plastic cable gland plate for cable entry, modular	1 pc(s).	2562.200	2563.200	2564.200	2564.200	2567.200	2566.200	
Cable entry, modular		see page	see page	see page	see page	see page	see page	AX brochure, 85
Rail for interior installation	4 pc(s).	2393.210	2393.250	2393.210	2393.250	2393.300	2393.300	
Punched section with mounting flange 14 x 39 mm, installation in the height	4 pc(s).	–	8619.760	8619.790	8619.750	8619.770	8619.770	
Mini-comfort handle AX for lock inserts or semi-cylinders	1 pc(s).	2537.100	2537.100	2537.100	2537.100	–	–	
Comfort handle AX for lock inserts or semi-cylinders	1 pc(s).	–	–	–	–	2435.100	2535.100	
180° hinge	3 pc(s).	2449.010	2449.010	2449.010	2449.010	2449.010	2449.010	
Door stay	5 pc(s).	2519.010	2519.010	2519.010	2519.010	2519.010	2519.010	

Baying enclosure system VX25, stainless steel



VX25, sheet steel Page 5 ISV installation modules Page 10

Material and surface finish:

- Enclosure frame: Stainless steel 1.4301 (AISI 304), 1.5 mm
- Roof: Stainless steel 1.4301 (AISI 304), 1.5 mm, exterior brushed, grain size 400
- Door: Stainless steel 1.4301 (AISI 304), 2 mm, exterior brushed, grain size 400
- Rear panel: Stainless steel 1.4301 (AISI 304), 1.5 mm, exterior brushed, grain size 400
- Gland plates: Stainless steel 1.4301 (AISI 304), 1.5 mm
- Mounting plate: Sheet steel, 3 mm, zinc-plated

Protection category IP to IEC 60 529:

- IP 55

Protection category NEMA:

- NEMA 12

Supply includes:

- Enclosure frame
- Door(s) (r/h hinge, may be swapped to opposite side)
- Roof plate
- Gland plates
- Rear panel
- Mounting plate
- Lock: 3 mm double-bit
- 2 punched rails 18 x 39 mm

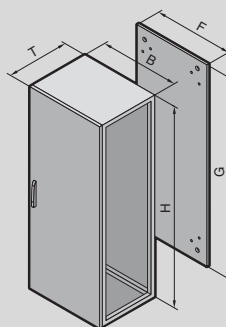
Note:

- Due to the hardness of the material, we recommend using metal multi-tooth screw 2486.400 for the interior installation.

Approvals:

- UL
- cUL

Further approvals can be found on the Internet.



Basic enclosure, stainless steel steel

Width (B) mm	Packs of	600	600	Page
Height (H) mm		1800	2000	
Depth (T) mm		500	600	
Mounting plate width (F) mm		499	499	
Mounting plate height (G) mm		1696	1896	
Model No.	1 pc(s).	8457.000	8452.000	
Weight, approx. kg		92.5	104.4	
Product-specific scope of supply				
Door(s)		1	1	
Also required				
Installation kit	1 pc(s).	9666.932	9666.902	9
Mounting angle	2 pc(s).	9666.711	9666.712	15
Accessories				
Base/plinth corner pieces with base/plinth trim panel, front and rear, 100 mm	2 pc(s).	8620.050	8620.050	
Base/plinth trim panels, side, 100 mm	2 pc(s).	8620.071	8620.072	
Base/plinth corner pieces with base/plinth trim panel, front and rear, 200 mm	2 pc(s).	8620.060	8620.060	
Base/plinth trim panels, side, 200 mm	2 pc(s).	8620.081	8620.082	
Levelling feet	4 pc(s).	8100.780	8100.780	
Punched section with mounting flange 23 x 89 mm, stainless steel, in the depth	4 pc(s).	8100.731	8100.732	
Side panels, screw-fastened, stainless steel	2 pc(s).	8700.040	8700.050	

Compact enclosures AX, stainless steel



AX, sheet steel Page 6 ISV installation modules Page 10

Material:

- Enclosure: Stainless steel
- Door: Stainless steel, all-round foamed-in PU seal
- Mounting plate: Sheet steel
- Lock: Die-cast zinc, nickel-plated, double-bit insert stainless steel

Surface finish:

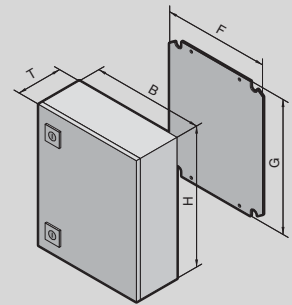
- Enclosure and door: Brushed, grain size 400
- Mounting plate: Zinc-plated

Supply includes:

- Enclosure with door(s)
 - Mounting plate
 - Lock: 3 mm double-bit
- Please note the product-specific scope of supply.

Approvals:

- UL
 - cUL
 - CSA
- Further approvals can be found on the Internet.



Basic enclosure, stainless steel

Width (B) mm	Packs of	380	600	1000	1000	Page
Height (H) mm		600	760	1200	1200	
Depth (T) mm		210	210	300	300	
Mounting plate width (F) mm		330	550	945	945	
Mounting plate height (G) mm		575	735	1175	1175	
Material	Stainless steel 1.4301 (AISI 304)	■	■	■	-	
	Stainless steel 1.4404 (AISI 316L)	-	-	-	■	
Model No.	1 pc(s).	1008.000	1012.000	1019.000	1305.000	
Weight, approx. kg		15.1	30.2	76.0	76.0	
Protection category IP to IEC 60 529		IP 66	IP 66	IP 55	IP 55	
Protection category NEMA		NEMA 4X	NEMA 4X	NEMA 12	NEMA 12	
Product-specific scope of supply						
Door(s)		1	1	2	2	
Cam lock		2	2	-	-	
3-point lock system		-	-	■	■	
Also required						
Installation kit	1 pc(s).	9666.801	9666.821	9666.851	9666.851	9
Accessories						
Wall mounting bracket, for AX stainless steel, KX stainless steel, wall distance 15 mm	4 pc(s).	2433.010	2433.010	2433.010	2433.510	
Rail for interior installation	4 pc(s).	2393.210	2393.210	2393.300	2393.300	
Punched section with mounting flange 14 x 39 mm, installation in the height	4 pc(s).	8619.720	-	8619.770	8619.770	
LED system light	1 pc(s).	-	2500.100	2500.110	2500.110	
Mini-comfort handle AX for lock inserts or semi-cylinders	1 pc(s).	2537.100	2537.100	-	-	
Comfort handle AX for lock inserts or semi-cylinders	1 pc(s).	-	-	2435.100	2435.100	
Cam lock AX with double-bit insert, stainless steel 1.4404 (AISI 316L)	1 pc(s).	2304.100	2304.100	-	2304.100	
Door stay	5 pc(s).	2519.010	2519.010	2519.010	2519.010	
Sheet steel wiring plan pockets, width-variable	1 pc(s).	-	2515.300	2515.200	2515.200	

ISV distribution enclosures

Installation kits

Installation kit

for VX25

For mounting ISV installation modules in the enclosure.

Supply includes:

- Mounting aid support
- Contact hazard protection
- Assembly parts

+ Accessories:

- Cross rail, see page 15
- Mounting angle, see page 15
- Depth stay, see page 15
- Equipment support connector, see page 15

For enclosure width mm	600	600	850	1100
For enclosure height mm	1800	2000	2000	2000
For enclosure depth mm	400 500 600	400 600	400 600	400 600
To fit Model No.	8457.000/8684.000/ 8685.000/8686.000	8452.000/8604.000/ 8606.000	9666.916/9666.956	9666.926/9666.966
Width units (WU) @ 250 mm	2	2	3	4
Height units (U) @ 150 mm	11	12	12	12
Note on Model No.	Mounting angle 9666.711 additionally required	Mounting angle 9666.712 additionally required	Mounting angle 9666.712 additionally required	Mounting angle 9666.712 and depth stay 9666.732 addi- tionally required
Packs of	1 pc(s).	1 pc(s).	1 pc(s).	1 pc(s).
Model No.	9666.932	9666.902	9666.912	9666.922

Installation kit

for AX

For mounting ISV installation modules in the enclosure.

Supply includes:

- Assembly kit
- Support rails
- Contact hazard protection
- Assembly parts

+ Accessories:

- Mounting angle, see page 15

For enclosure width mm	380	500	600	600	600	1000
For enclosure height mm	600	700	760	1000	1200	1200
For enclosure depth mm	210	250	210	250	300	300
To fit Model No.	1008.000/ 1038.000	1057.000	1012.000/ 1076.000	1090.000	1260.000	1019.000/ 1305.000/ 1213.000
Width units (WU) @ 250 mm	1	1	2	2	2	3
Height units (U) @ 150 mm	3	4	4	6	7	7
Packs of	1 pc(s).	1 pc(s).	1 pc(s).	1 pc(s).	1 pc(s).	1 pc(s).
Model No.	9666.801	9666.811	9666.821	9666.831	9666.841	9666.851



ISV distribution enclosures

Installation modules



1 Contact hazard protection modules

- For covering free installation areas
- Cover is prepared for a lead seal

Material:

– Cover: Polystyrene (PS)

Colour:

– RAL 7035

2 Mounting plate modules

- With mounting plate made from 2 mm zinc-plated sheet steel
- Cover is prepared for a lead seal
- Possible installation depth 105 – 140 mm

Size				Packs of	1 Contact hazard protection		2 Mounting plate	
Width unit		Height unit			Interior installation	Model No.	Mounting plate dimensions mm	Model No.
WU	mm	U	mm					
1	250	1	150	1 pc(s).	Empty module	9666.000	188 x 116	9666.080
1	250	2	300	1 pc(s).		9666.010	188 x 266	9666.090
1	250	3	450	1 pc(s).		9666.020	188 x 416	9666.100
1	250	4	600	1 pc(s).		9666.030	188 x 566	9666.110
2	500	1	150	1 pc(s).		9666.040	438 x 116	9666.120
2	500	2	300	1 pc(s).		9666.050	438 x 266	9666.130
2	500	3	450	1 pc(s).		9666.060	438 x 416	9666.140
2	500	4	600	1 pc(s).		9666.070	438 x 566	9666.150
3	750	2	300	1 pc(s).		9666.053	688 x 266	9666.133
3	750	3	450	1 pc(s).		9666.063	688 x 416	9666.143
3	750	4	600	1 pc(s).		9666.073	–	–

1 WU $\hat{=}$ 250 mm

1 U $\hat{=}$ 150 mm



1 Support rail modules

- For installing terminal blocks, switchgear, etc.
- Support rails 35/15 mm
- Adjustable on a 25 mm pitch pattern
- Cover is prepared for a lead seal

Material:

– Cover: Polystyrene (PS)

Colour:

– RAL 7035



Accessories:

– Cover strips for DIN rail mounted device modules, see page 14

2 DIN rail mounted device modules

- To accommodate DIN rail mounted devices
- Support rails 35/15 mm
- Cover is prepared for a lead seal

Size				Packs of	1 Support rails		2 DIN rail mounted devices	
Width unit		Height unit			Number of support rails	Model No.	Mechanical interior installation ¹⁾	Model No.
WU	mm	U	mm					
1	250	1	150	1 pc(s).	1	9666.160	12 pitch units (1 x 12 x 18 mm)	9666.240
1	250	2	300	1 pc(s).	2	9666.170	24 pitch units (2 x 12 x 18 mm)	9666.250
1	250	3	450	1 pc(s).	3	9666.180	36 pitch units (3 x 12 x 18 mm)	9666.260
1	250	4	600	1 pc(s).	4	9666.190	48 pitch units (4 x 12 x 18 mm)	9666.270
2	500	1	150	1 pc(s).	1	9666.200	24 pitch units (2 x 12 x 18 mm)	9666.280
2	500	2	300	1 pc(s).	2	9666.210	48 pitch units (4 x 12 x 18 mm)	9666.290
2	500	3	450	1 pc(s).	3	9666.220	72 pitch units (6 x 12 x 18 mm)	9666.300
2	500	4	600	1 pc(s).	4	9666.230	–	–
3	750	2	300	1 pc(s).	2	9666.213	72 pitch units (6 x 12 x 18 mm)	9666.293
3	750	3	450	1 pc(s).	3	9666.223	108 pitch units (9 x 12 x 18 mm)	9666.303

1 WU $\hat{=}$ 250 mm

1 U $\hat{=}$ 150 mm

¹⁾ No. of panels x pitch units x width

ISV distribution enclosures

Installation modules

Connection terminal blocks

- For connecting copper and aluminium conductors
- For single-wire and multi-wire conductors with crimped wire end ferrule or laminated copper bars

Material:

– Duroplastic

Colour:

– RAL 7035

Version	Connection of round conductors mm ²	Clamping area for laminated copper bars, W x H mm	Packs of	Model No.	Page
250 A, 5-pole	1 x 16 – 150 or 2 x 16 – 70	17 x 21	1 pc(s).	9666.340	
400 A, 5-pole	1 x 50 – 240 or 2 x 25 – 120	25 x 21	1 pc(s).	9666.350	

Also required

Description	Size				Packs of	Model No.	Page
	Width unit		Height unit				
	WU	mm	U	mm			
Mounting kit for connection terminal block	1	250	3	450	1 pc(s).	9666.310	
Contact hazard protection modules	1	250	3	450	1 pc(s).	9666.020	10

1 WU \geq 250 mm

1 U \geq 150 mm



NH fuse-switch disconnecter modules

- Suitable for accommodating NH fuse-switch disconnectors for mounting plate assembly
- Cover is prepared for a lead seal

Material:

– Cover: Polystyrene (PS)

Colour:

– RAL 7035

Note:

– Blanking cover 9666.665 should be used to seal unneeded cut-outs for NH fuse-switch disconnectors size 00.

To fit NH disconnector		Size				Packs of	Model No.	Page
Size	Model No.	Width unit		Height unit				
		WU	mm	U	mm			
2 pc(s), size 00	9344.000/.010/ .020/.030/.040/.050	1	250	2	300	1 pc(s).	9666.380	
4 pc(s), size 00		2	500	2	300	1 pc(s).	9666.390	
1 pc(s), size 1	9344.100/.110/ .130/.150	1	250	3	450	1 pc(s).	9666.400	
1 pc(s), size 2	9344.200/.210/ .230/.250	1	250	3	450	1 pc(s).	9666.410	
1 pc(s), size 3 or 2 pc(s), size 2	9344.300/.310/ .330/.350	2	500	3	450	1 pc(s).	9666.060 ¹⁾	10
						1 pc(s).	9666.420 ¹⁾	11

1 WU \geq 250 mm

1 U \geq 150 mm

¹⁾ Module unit consisting of disconnector cross-member 9666.420 and contact hazard protection module 9666.060



Disconnecter cross-member

for NH fuse-switch disconnecter, size 2/3

- Suitable for the accommodation of NH fuse-switch disconnectors for mounting plate assembly

To fit NH disconnector		Size				Packs of	Model No.	Page
Size	Model No.	Width unit		Height unit				
		WU	mm	U	mm			
1 pc(s), size 3 or 2 pc(s), size 2	9344.300/.310/ .330/.350	2	500	3	450	1 pc(s).	9666.420	

Also required

Contact hazard protection modules	1 pc(s).	9666.060	10
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ISV distribution enclosures

Installation modules



NH slimline fuse-switch disconnecter modules

For NH slimline fuse-switch disconnectors, sizes 00 to 3 (100/185 mm bar centre distance).

Material:

– Cover: Polystyrene (PS)

Colour:

– RAL 7035

Note:

- Busbars are not included with the supply
- To ensure problem-free cable connection, a contact hazard protection module or an N/PE busbar module must be installed above or below the NH slimline fuse-switch disconnecter modules

Version	To fit NH slimline fuse-switch disconnectors Model No.	Size				Packs of	Model No.	Page
		Width unit		Height unit				
		WU	mm	U	mm			
100 mm module, 3-pole, max. 3 x size 00	9346.020 9346.030	1	250	3	450	1 pc(s).	9666.570	
100 mm module, 3-pole, max. 6 x size 00		2	500	3	450	1 pc(s).	9666.580	
100 mm module, 3-pole, max. 10 x size 00		3	750	3	450	1 pc(s).	9666.583	
185 mm module, 3-pole, max. 8 x size 00/ 4 x size 1, 2, 3	9677.XXX	2	500	5	750	1 pc(s).	9666.550	
185 mm module, 3-pole, max. 12 x size 00/ 6 x size 1, 2, 3		3	750	5	750	1 pc(s).	9666.560	

Also required

Contact hazard protection modules	10
Busbar modules N/PE	13

1 WU $\hat{=}$ 250 mm
1 U $\hat{=}$ 150 mm



Circuit-breaker modules

- Suitable for accommodating standard circuit-breakers from ABB, Eaton, Schneider Electric and Siemens
- Cover is prepared for a lead seal

Material:

– Cover: Polystyrene (PS)

Colour:

– RAL 7035

Note:

- Attachment of the circuit-breakers and the corresponding cut-out dimensions for the cover are shown in the enclosed assembly instructions
- Circuit-breakers are not included with the supply

For circuit-breakers	Size				Packs of	Model No.
	Width unit		Height unit			
	WU	mm	U	mm		
up to 250 A	1	250	2	300	1 pc(s).	9666.430
up to 630 A	2	500	3	450	1 pc(s).	9666.440

1 WU $\hat{=}$ 250 mm
1 U $\hat{=}$ 150 mm

ISV distribution enclosures

Installation modules

Meter mounting board module

- Open module for internal measurements
- Clearance depth available for meter installation 170 mm

Material:

- Meter mounting board: Polystyrene (PS)

Colour:

- RAL 7035

Note:

- The meter mounting board module does not comply with meter mounting board standard DIN 43 870/VDE 0603 and does not meet the conditions for total insulation. Use in un-metered areas only by arrangement with the local electricity supply company.
- 1 contact hazard protection module/DIN rail mounted device module or support rail module with 1 WU and at least 1 U is required both above and below the module.



Size				Packs of	Model No.	Page
Width unit		Height unit				
WU	mm	U	mm			
1	250	3	450	1 pc(s).	9666.640	

Also required

Contact hazard protection modules	10
Support rail modules	10
DIN rail mounted device modules	10

- 1 WU \triangleq 250 mm
- 1 U \triangleq 150 mm

Busbar modules N/PE

- For attaching the busbars for N and PE
- Cover is prepared for a lead seal

Material:

- Cover: Polystyrene (PS)

Colour:

- RAL 7035

Note:

- Busbars are not included with the supply



For busbars mm	Size				Packs of	Model No.
	Width unit		Height unit			
	WU	mm	U	mm		
12 x 5 to 30 x 10 mm	1	250	2	300	1 pc(s).	9666.590
	2	500	2	300	1 pc(s).	9666.600
	3	750	2	300	1 pc(s).	9666.603

- 1 WU \triangleq 250 mm
- 1 U \triangleq 150 mm

Busbar modules

For assembling bus-mounting fuse bases E18, E27, E33 and D-Switch as well as NH fuse-switch disconnectors, sizes 000 and 00 (3-pole, 60 mm bar centre distance).

Material:

- Cover: Polystyrene (PS)

Colour:

- RAL 7035

Note:

- Busbars are not included with the supply



Size				To fit		Packs of	Model No.	Page
Width unit		Height unit		Fusible elements Model No.	NH disconnectors Model No.			
WU	mm	U	mm					
1	250	2	300	3418.010 3427.010 3433.010 9340.950	9343.000 ¹⁾ 9343.020 ¹⁾ 9343.040 ¹⁾ 3431.020 3431.030 3431.035	1 pc(s).	9666.520	
					3431.020 3431.030 3431.035			
					3431.020 3431.030 3431.035			
2	500	2	300	3431.020 3431.030 3431.035	3431.020 3431.030 3431.035	1 pc(s).	9666.530	
					3431.020 3431.030 3431.035			
					3431.020 3431.030 3431.035			
3	750	2	300	3431.020 3431.030 3431.035	3431.020 3431.030 3431.035	1 pc(s).	9666.533	
					3431.020 3431.030 3431.035			
					3431.020 3431.030 3431.035			

Accessories

Blanking cover	10 pc(s).	9666.660	14
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- 1 WU \triangleq 250 mm
- 1 U \triangleq 150 mm

¹⁾ A depth extension frame 9666.680 should additionally be used to ensure unrestricted connection. NH fuse-switch disconnectors size 00 cannot be combined with other equipment.

ISV distribution enclosures

Accessories



Cover strips

for DIN rail mounted device modules

For sealing unused component cut-outs in DIN rail mounted device modules, max. 12 pitch units (12 x 18 mm), divisible every 9 mm.

Material:

– ABS

Colour:

– RAL 7035

Packs of	Model No.
5 pc(s).	9666.650



Blanking cover

- For sealing unused cut-outs
- To fit bus-mounting fuse base, D-Switch and NH fuse-switch disconnectors size 000 (3-pole, 60 mm busbar systems) in busbar modules (9666.520/.530/.533)
- Width: 16 – 34 mm variable

Material:

– Polypropylene (PP)

Colour:

– RAL 7035

Packs of	Model No.
10 pc(s).	9666.660



Blanking cover

for disconnectors, size 00

- For sealing unused cut-outs with NH fuse-switch disconnectors, size 00, in NH fuse-switch disconnectors modules (9666.380/.390)
- Width: 117 mm

Material:

– PVC

Colour:

– RAL 7035

Packs of	Model No.
1 pc(s).	9666.665



Wiring brackets

For tool-free external mounting on support rails TS 35/15 for cable routing on the rear of support rail modules.

Material:

– Polyamide (PA 6.6)

Packs of	Model No.
10 pc(s).	9666.670



Depth extension frame

For extending the depth of the contact hazard protection cover. Allows unrestricted connection of NH fuse-switch disconnectors, size 00 (3-pole, 60 mm busbar systems).

Material:

– Polystyrene (PS)

Colour:

– RAL 7035

Size				Packs of	Model No.
Width unit		Height unit			
WU	mm	U	mm		
1	250	2	300	1 pc(s).	9666.680

1 WU \triangleq 250 mm

1 U \triangleq 150 mm

Note:

– NH fuse-switch disconnectors, size 00, with covers and depth extension frame cannot be used in conjunction with other equipment.

ISV distribution enclosures

Accessories

Cross rails

for VX

For horizontal sub-division of the support frame in the enclosure.

Material:

– Sheet steel

Surface finish:

– Zinc-plated

Width unit		Packs of	Model No.
WU	mm		
2	500	2 pc(s).	9666.722
3	750	2 pc(s).	9666.723
4	1000	2 pc(s).	9666.724

1 WU \triangleq 250 mm



Mounting angles ISV

for VX

For vertical sub-division of the support frame in the enclosure.

Material:

– Sheet steel

Surface finish:

– Zinc-plated

Height unit		Packs of	Model No.
U	mm		
2	300	2 pc(s).	9666.702
3	450	2 pc(s).	9666.703
4	600	2 pc(s).	9666.704
5	750	2 pc(s).	9666.705
6	900	2 pc(s).	9666.706
7	1050	2 pc(s).	9666.707
11	1650	2 pc(s).	9666.711
12	1800	2 pc(s).	9666.712

1 U \triangleq 150 mm



Accessories:

– Equipment support connector, see page 15

Mounting angles ISV

for AX

For vertical sub-division of the support frame in the enclosure.

Material:

– Sheet steel

Surface finish:

– Zinc-plated

Height unit		Packs of	Model No.
U	mm		
3	450	2 pc(s).	9666.753
4	600	2 pc(s).	9666.754
6	900	2 pc(s).	9666.756
7	1050	2 pc(s).	9666.757

1 U \triangleq 150 mm



Depth stay

for installation kits ISV

For attaching the installation kit in the enclosure.

Material:

– Sheet steel

Surface finish:

– Zinc-plated

For enclosure depth mm	To fit Model No.	Packs of	Model No.
400 500 600	9666.902 9666.912 9666.922 9666.932		



Equipment support connector

- For connecting 2 mounting angles
- Increases the stability of the frame structure

Material:

– T-section: Aluminium

Packs of	Model No.
4 pc(s).	9666.740



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