

# Ri4Power ISV distribution enclosures

## Distribution enclosures

- Based on baying system TS 8, see page 88
- Based on baying system SE 8, see page 94
- Mounting kits, see page 380

## Wall-mounted distributors

- Based on compact enclosure AE, see page 58
- Mounting kits, see page 380

## Installation modules

- Easy mounting on support frame or support plate
- Individual combination and configuration
- Pitch pattern 150 x 250 mm
- Installation modules, see page 381

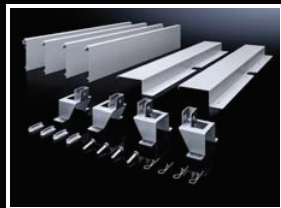
## Power distribution components

- Bus-mounting fuse bases, see page 289
- NH fuse-switch disconnectors, see page 291
- NH slimline fuse-switch disconnectors, see page 301



# ISV distribution enclosures

## Mounting kits



### Installation kit

#### for TS

For mounting ISV installation modules in TS enclosures.

#### Supply includes:

- Mounting aid support
- Contact hazard protection
- Assembly parts



#### Accessories:

- Cross rail, see page 387
- Mounting angle, see page 387
- Depth stay, see page 387
- Equipment support connectors, see page 387

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.	8457.600/8684.500/ 8685.500/8686.500	8452.600/8604.500/ 8606.500	9666.915/9666.955	9666.925/9666.965
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 9666.731 additionally required
Packs of	1 pc(s).	1 pc(s).	1 pc(s).	1 pc(s).
<b>Model No.</b>	<b>9666.931</b>	<b>9666.901</b>	<b>9666.911</b>	<b>9666.921</b>



### Installation kit

#### for AE

For mounting ISV installation modules in AE enclosures.

#### Supply includes:

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



#### Accessories:

- Mounting angle, see page 387

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.	1008.600/ 1038.500	1057.500	1012.600/ 1076.500	1090.500	1260.500	1019.500/ 1019.600/ 1213.500
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).
<b>Model No.</b>	<b>9666.801</b>	<b>9666.811</b>	<b>9666.821</b>	<b>9666.831</b>	<b>9666.841</b>	<b>9666.851</b>

# 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)

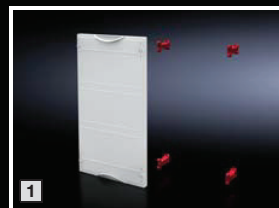
**Colour:**  
– RAL 7035

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

1 WU  $\geq$  250 mm  
1 U  $\geq$  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 386

### 2 DIN rail mounted device modules

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

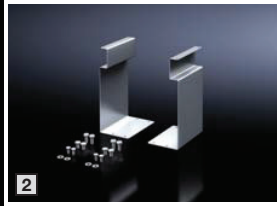
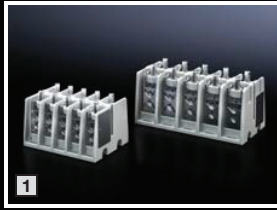
Size				P. of	1 Support rails		2 DIN rail mounted devices	
Width unit		Height unit			Number of support rails	Model No.	Mechanical interior installation <sup>1)</sup>	Model No.
WU	mm	U	mm					
1	250	1	150	1 pc(s).	1	<b>9666.160</b>	12 pitch units (1 x 12 x 18 mm)	<b>9666.240</b>
1	250	2	300	1 pc(s).	2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

1 WU  $\geq$  250 mm  
1 U  $\geq$  150 mm  
<sup>1)</sup> No. of panels x pitch units x width



# ISV distribution enclosures

## Installation modules



### Connection terminal blocks

- For connecting copper and aluminium conductors
- Single-wire or multi-wire conductors with crimped wire end ferrule or laminated copper bar

**Material:**  
– Duroplastic

**Colour:**  
– RAL 7035

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

#### Also required

Description	Size				P. of	Model No.	Page
	Width unit		Height unit				
	WU	mm	U	mm			
2 Mounting kit for connection terminal block	1	250	3	450	1 pc(s).	<b>9666.310</b>	
Contact hazard protection modules	1	250	3	450	1 pc(s).	9666.020	381

#### Accessories

Laminated copper bars							311
1 WU $\geq$ 250 mm							
1 U $\geq$ 150 mm							

### NH fuse-switch-disconnector 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				P. 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).	<b>9666.380</b>	
4 pc(s), size 00		2	500	2	300	1 pc(s).	<b>9666.390</b>	
1 pc(s), size 1	9344.100/.110/ .130/.150	1	250	3	450	1 pc(s).	<b>9666.400</b>	
1 pc(s), size 2	9344.200/.210/ .230/.250	1	250	3	450	1 pc(s).	<b>9666.410</b>	
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 <sup>1)</sup>	381
						1 pc(s).	9666.420 <sup>1)</sup>	382

1 WU  $\geq$  250 mm  
1 U  $\geq$  150 mm

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

### Disconnector cross-member

#### for NH fuse-switch disconnector, size 2/3

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

To fit NH disconnector		Size				P. 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).	<b>9666.420</b>	

#### Also required

Contact hazard protection modules						1 pc(s).	9666.060	381
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# ISV distribution enclosures

## Installation modules

### NH slimline fuse-switch disconnecter modules

For NH slimline fuse-switch disconnecters, 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
- In order 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 disconnecters Model No.	Size				P. 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).	<b>9666.570</b>	
100 mm module, 3-pole, max. 6 x size 00		2	500	3	450	1 pc(s).	<b>9666.580</b>	
100 mm module, 3-pole, max. 10 x size 00		3	750	3	450	1 pc(s).	<b>9666.583</b>	
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).	<b>9666.550</b>	
185 mm module, 3-pole, max. 12 x size 00/ 6 x size 1, 2, 3		3	750	5	750	1 pc(s).	<b>9666.560</b>	

**Also required**

Contact hazard protection modules	381
Busbar modules N/PE	384

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

### Air 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 air circuit-breakers and the corresponding cut-out dimensions for the cover are shown in the enclosed assembly instructions
- Air circuit-breakers are not included with the supply



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

1 WU  $\triangleq$  250 mm  
1 U  $\triangleq$  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 unmetred 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				P. of	Model No.	Page
Width unit		Height unit				
WU	mm	U	mm			
1	250	3	450	1 pc(s).	<b>9666.640</b>	

**Also required**

Contact hazard protection modules	381
Support rail modules	381
DIN rail mounted device modules	381

- 1 WU  $\hat{=}$  250 mm
- 1 U  $\hat{=}$  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:**

- Copper or CUPONAL busbars should be ordered separately, see page 307/308
- Not suitable for use in mounting kit AE

For busbars mm	Size				P. 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).	<b>9666.590</b>
	2	500	2	300	1 pc(s).	<b>9666.600</b>
	3	750	2	300	1 pc(s).	<b>9666.603</b>

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

# ISV distribution enclosures

## Installation modules

### 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		P. of	Model No.	Page
Width unit		Height unit		Fusible elements	NH disconnectors			
WU	mm	U	mm	Model No.	Model No.			
1	250	2	300	3418.010 3427.010 3433.010 9340.950	9343.000 <sup>1)</sup> 9343.020 <sup>1)</sup> 9343.040 <sup>1)</sup> 3431.020 3431.030 3431.035	1 pc(s).	<b>9666.520</b>	
2	500	2	300		3431.020 3431.030 3431.035	1 pc(s).	<b>9666.530</b>	
3	750	2	300		3431.020 3431.030 3431.035	1 pc(s).	<b>9666.533</b>	

**Accessories**

Blanking cover	10 pc(s).	9666.660	386
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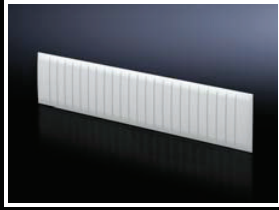
1 WU  $\hat{=}$  250 mm

1 U  $\hat{=}$  150 mm

<sup>1)</sup> 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

P. 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

P. 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

P. 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)

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

1 WU  $\geq$  250 mm  
1 U  $\geq$  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 TS, SE

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

#### Material:

– Sheet steel

#### Surface finish:

– Zinc-plated

Width unit		P. of	Model No.
WU	mm		
2	500	2 pc(s).	<b>9666.722</b>
3	750	2 pc(s).	<b>9666.723</b>
4	1000	2 pc(s).	<b>9666.724</b>

1 WU  $\pm$  250 mm



### Mounting angles

#### for TS, SE

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

#### Material:

– Sheet steel

#### Surface finish:

– Zinc-plated

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

1 U  $\pm$  150 mm



#### Accessories:

– Equipment support connector, see page 387

### Mounting angles

#### for AE

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

#### Material:

– Sheet steel

#### Surface finish:

– Zinc-plated

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

1 U  $\pm$  150 mm



### Depth stay

#### For installation kits ISV

For attaching the installation kit in the TS enclosure.

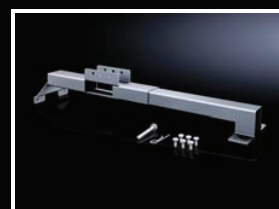
#### Material:

– Sheet steel

#### Surface finish:

– Zinc-plated

For enclosure depth mm	To fit Model No.	P. of	Model No.
400 500 600	9666.901/ 9666.911/ 9666.921/ 9666.931		



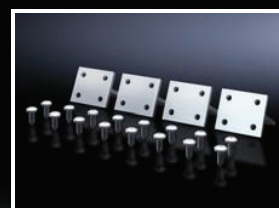
### Equipment support connector

- For connecting 2 mounting angles for TS/SE
- Increases the stability of the frame structure

#### Material:

– T-section: Aluminium

P. of	Model No.
4 pc(s).	<b>9666.740</b>



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