

# Rittal RiLine60 busbar systems 800 A (60 mm)

## Busbar supports (3-pole)



**1** With attachment holes on the outside

**2** With attachment holes on the inside

### Material:

Polyamide (PA 6.6),  
25 % fibreglass-reinforced.  
Continuous operating  
temperature max. 130°C.  
Fire protection corresponding  
to UL 94-V0.

**Colour:**  
RAL 7035

**Short-circuit protection  
diagram,**  
see page 1229.

**Technical information**  
for the calculation of rated  
currents,  
see page 1247.

| Design   | Packs of | <b>1</b> With external attachment                | <b>2</b> With internal attachment | Page |
|--|----------|--|-----------------------------------|------|
| Number of poles  |          | 3-pole   | 3-pole                            |      |
| Bar centre distance  |          | 60 mm  | 60 mm                             |      |
| For busbars E-Cu   |          | 12 x 5/10 mm <sup>1)</sup> , 15 x 5 – 30 x 10 mm |                                   |      |
| Tightening torque  |          |  |                                   |      |
| ● Assembly screw (M5 x 16)                                     |          | 3 – 5 Nm   | 3 – 5 Nm                          |      |
| ● Lid attachment   |          | 1 – 3 Nm   | 1 – 3 Nm                          |      |
| <b>Model No. SV</b>  | 4        | <b>9340.010</b>                                  | <b>9340.000</b>                   |      |
| <b>Accessories</b>   |          |  |                                   |      |
| <b>3</b> End covers for contact hazard protection on the sides | 2        | <b>9340.070</b>                                  | <b>9340.070</b>                   |      |
| Spacers for SV 9340.000/010                                    | 12       | <b>9340.090</b>                                  | <b>9340.090</b>                   | 400  |

<sup>1)</sup> If 12 x 5/10 mm busbars are used, the spacer SV 9340.090 is additionally required.

## Busbars E-Cu

To DIN EN 13 601.  
Length: 2400 mm/bar.

| Dimensions in mm  | Packs of | <b>Model No. SV</b>          | Page |
|---|----------|------------------------------|------|
| 12 x 5  | 6        | <b>3580.000</b>              |      |
| 12 x 10   | 6        | <b>3580.100</b>              |      |
| 15 x 5  | 6        | <b>3581.000</b>              |      |
| 15 x 10   | 6        | <b>3581.100</b>              |      |
| 20 x 5  | 6        | <b>3582.000</b>              |      |
| 20 x 10   | 6        | <b>3585.000</b>              |      |
| 25 x 5  | 6        | <b>3583.000</b>              |      |
| 30 x 5 <sup>1)</sup>  | 6        | <b>3584.000<sup>2)</sup></b> |      |
| 30 x 10 <sup>1)</sup>   | 6        | <b>3586.000<sup>2)</sup></b> |      |
| <b>Accessories</b>  |          |                              |      |
| Busbar cover section (length 1 m/each)                        | 10       | 3092.000                     | 408  |
| Busbar connector for E-Cu                                     |          |                              |      |
| <b>4</b> 12 x 5 – 15 x 10 mm (single connection)              | 3        | 9350.075                     | 410  |
| <b>5</b> 20 x 5 – 30 x 10 mm (single connection)              | 3        | 9320.020                     | 410  |
| <b>6</b> 20 x 5 – 30 x 10 mm (bayed connection) <sup>3)</sup> | 3        | 9320.030                     | 410  |

<sup>1)</sup> Other busbar lengths, see page 409.

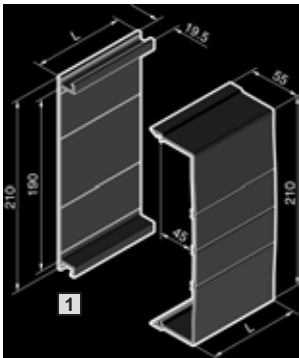
<sup>2)</sup> Tin-plated version available on request.

<sup>3)</sup> From enclosure to enclosure.

**Busbar connection adaptors** Page 356/357 **Connection clamps** Page 358 **OM/OT adaptors** Page 362 – 367 **OM/OT supports** Page 368/369  
**Component adaptors** Page 359 – 361, 370/371 **Bus-mounting fuse bases** Page 372/373 **NH fused isolators** Page 374  
**NH bus-mounting on-load isolators** Page 375 – 379 **Accessories** Page 400 – 411

# Rittal RiLine60 busbar systems 800 A (60 mm)

## System components (3-pole)



### 1 Base tray

For rear contact hazard protection of the flat bar assembly.

| Length (L) mm | Packs of | Model No. SV |
|---------------|----------|--------------|
| 500           | 2        | 9340.100     |
| 700           | 2        | 9340.110     |
| 900           | 2        | 9340.120     |
| 1100          | 2        | 9340.130     |
| 2400          | 1        | 9340.170     |

### 2 Cover section

May be cut to length as required; for clip-on mounting to the base tray.

| Length (L) mm | Packs of | Model No. SV |
|---------------|----------|--------------|
| 700           | 2        | 9340.200     |
| 1100          | 2        | 9340.210     |

#### Base tray and cover section

##### Material:

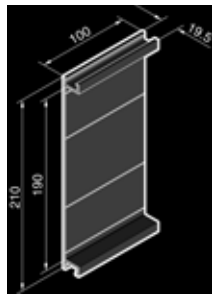
Thermally modified hard PVC.  
Continuous operating temperature max. 91°C.  
Fire protection corresponding to UL 94-V0.

##### Colour:

RAL 7035

##### Note:

If the cover section is mounted from the front, the support panel (SV 9340.220) is needed for stability.



### Base tray infill

For rear contact hazard protection when connecting the busbars from enclosure to enclosure.

##### Material:

Thermally modified hard PVC.  
Continuous operating temperature max. 91°C.  
Fire protection corresponding to UL 94-V0.

##### Colour:

RAL 7035

| Packs of | Model No. SV |
|----------|--------------|
| 2        | 9340.140     |

#### Supply includes:

Assembly parts.



### Base tray reinforcement

For clipping into the base tray.  
Required when using OT adaptors or supports, see page 366/367 and 369.

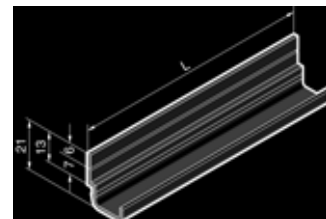
##### Material:

Aluminium

##### Note:

Self-tapping screws (Model No. SZ 2487.000) for attaching the base tray reinforcement to the mounting level, see page 1011.

| Length (L) mm | Packs of | Model No. SV |
|---------------|----------|--------------|
| 500           | 2        | 9340.150     |
| 1000          | 2        | 9340.160     |



### Support panel

#### for cover section

To prevent side access to the cover section. The support panel also provides additional stability.

##### Material:

Polyamide (PA 6.6).  
Continuous operating temperature max. 105°C.  
Fire protection corresponding to UL 94-V0.

##### Colour:

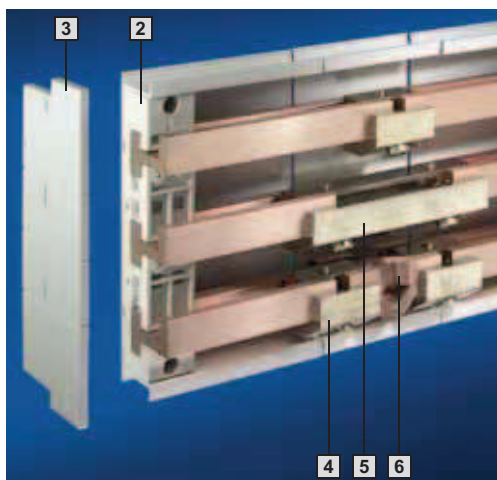
RAL 7035

| Packs of | Model No. SV |
|----------|--------------|
| 5        | 9340.220     |



# Rittal RiLine60 busbar systems 800/1600 A (60 mm)

## PLS busbar supports (3-pole)



1 Rittal PLS 800

2 Rittal PLS 1600

**Material:**  
Polyamide (PA 6.6),  
25 % fibreglass-reinforced.  
Continuous operating  
temperature max. 130°C.  
Fire protection corresponding  
to UL 94-V0.

**Colour:**  
RAL 7035

**Short-circuit protection  
diagram,**  
see page 1229.

**Technical information**  
for the calculation of rated  
currents,  
see page 1247.

| For Rittal system                               | Packs of | 1 PLS 800       | 2 PLS 1600      |
|---|----------|-----------------|-----------------|
| Number of poles                                 |          | 3-pole          | 3-pole          |
| Bar centre distance                             |          | 60 mm           | 60 mm           |
| Tightening torque                               |          |                 |                 |
| • Assembly screw (M6 x 20)                      |          | 3 – 5 Nm        | 3 – 5 Nm        |
| • Busbar anti-slip guard                        |          | 0.7 Nm          | 0.7 Nm          |
| <b>Model No. SV</b>                             | 4        | <b>9341.000</b> | <b>9342.000</b> |
| <b>Accessories</b>                              |          |                 |                 |
| 3 End covers for side contact hazard protection | 2        | <b>9341.070</b> | <b>9342.070</b> |

## PLS special busbars

made from E-Cu

| For Rittal system | Packs of                  | PLS 800                        | PLS 1600                       | Page |
|-------------------|---------------------------|--------------------------------|--------------------------------|------|
| Cross-section     |                           | 300 mm <sup>2</sup>            | 900 mm <sup>2</sup>            |      |
| Bar thickness     |                           | 5 mm                           | 10 mm                          |      |
| Length<br>mm      | For enclosure width<br>mm | <b>Model No. SV</b>            | <b>Model No. SV</b>            |      |
| 495               | 600 <sup>1)</sup>         | 3 <b>3524.000<sup>2)</sup></b> | 3 <b>3527.000<sup>2)</sup></b> |      |
| 695               | 800 <sup>1)</sup>         | 3 <b>3525.000<sup>2)</sup></b> | 3 <b>3528.000<sup>2)</sup></b> |      |
| 895               | 1000 <sup>1)</sup>        | 3 <b>3525.010<sup>2)</sup></b> | 3 <b>3528.010<sup>2)</sup></b> |      |
| 1095              | 1200 <sup>1)</sup>        | 3 <b>3526.000<sup>2)</sup></b> | 3 <b>3529.000<sup>2)</sup></b> |      |
| 2400              | variable                  | 1 <b>3509.000<sup>2)</sup></b> | 1 <b>3516.000<sup>2)</sup></b> |      |

### Accessories

|   |   |          |          |     |
|---|---|----------|----------|-----|
| 4 PLS busbar connector (single connection)              | 3 | 3504.000 | 3514.000 | 410 |
| 5 PLS busbar connector (bayed connection) <sup>3)</sup> | 3 | 3505.000 | 3515.000 | 410 |
| 6 PLS expansion connectors <sup>4)</sup>                | 3 | 9320.060 | 9320.070 | 410 |

<sup>1)</sup> For Rittal TS 8/ES enclosure systems.

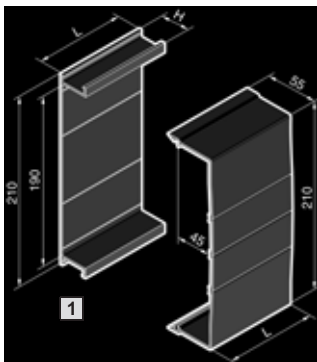
<sup>2)</sup> To order tin-plated version, please add extension .2X0 to the Model No. Delivery times available on request.

<sup>3)</sup> From enclosure to enclosure.

<sup>4)</sup> Two PLS rail connectors (single connection) are required to fit one expansion connector.

# Rittal RiLine60 busbar systems 800/1600 A (60 mm)

## System components (3-pole)



### 1 Base tray

For rear contact hazard protection of the PLS busbar assembly.

| Length (L) mm | Packs of | Model No. SV<br>For system |                 |
|---------------|----------|----------------------------|-----------------|
|               |          | PLS 800                    | PLS 1600        |
| 500           | 2        | <b>9341.100</b>            | <b>9342.100</b> |
| 700           | 2        | <b>9341.110</b>            | <b>9342.110</b> |
| 900           | 2        | <b>9341.120</b>            | <b>9342.120</b> |
| 1100          | 2        | <b>9341.130</b>            | <b>9342.130</b> |
| 2400          | 1        | <b>9341.170</b>            | <b>9342.170</b> |
| Height (H) mm |          | 32                         | 43              |

### 2 Cover section

May be cut to length individually, for clip-on mounting to the base tray for PLS system 800 A and 1600 A.

| Length (L) mm | Packs of | Model No. SV    |
|---------------|----------|-----------------|
| 700           | 2        | <b>9340.200</b> |
| 1100          | 2        | <b>9340.210</b> |

### Base tray and cover section

#### Material:

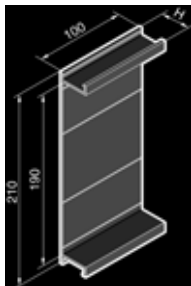
Thermally modified hard PVC.  
Continuous operating temperature max. 91°C.  
Fire protection corresponding to UL 94-V0.

#### Colour:

RAL 7035

#### Note:

If the cover section is mounted from the front, the support panel (SV 9340.220) is needed for stability.



### Base tray infill

For rear contact hazard protection when connecting the busbars from enclosure to enclosure.

#### Material:

Thermally modified hard PVC.  
Continuous operating temperature max. 91°C.  
Fire protection corresponding to UL 94-V0.

#### Colour:

RAL 7035

| For system | Height (H) mm | Packs of | Model No. SV    |
|------------|---------------|----------|-----------------|
| PLS 800    | 32            | 2        | <b>9341.140</b> |
| PLS 1600   | 43            | 2        | <b>9342.140</b> |

#### Supply includes:

Assembly parts.



### Base tray reinforcement

For clipping into the base tray.  
Required when using OT adaptors or supports, see page 366/367 and 369.

#### Material:

Aluminium

#### Note:

Self-tapping screws (Model No. SZ 2487.000) for attaching the base tray reinforcement to the mounting level, see page 1011.

| Length (L) mm | Packs of | Model No. SV<br>For system |                 |
|---------------|----------|----------------------------|-----------------|
|               |          | PLS 800                    | PLS 1600        |
| 500           | 2        | <b>9341.150</b>            | <b>9342.150</b> |
| 1000          | 2        | <b>9341.160</b>            | <b>9342.160</b> |



### Support panel

#### for cover section

To prevent side access to the cover section. The support panel also provides additional stability.

#### Material:

Polyamide (PA 6.6).  
Continuous operating temperature max. 105°C.  
Fire protection corresponding to UL 94-V0.

#### Colour:

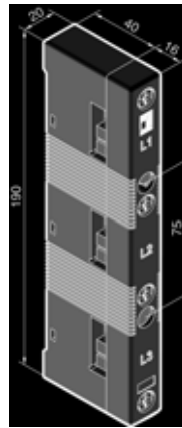
RAL 7035

| Packs of | Model No. SV    |
|----------|-----------------|
| 5        | <b>9340.220</b> |



# Rittal RiLine60 busbar systems UL 508 (60 mm)

## Busbar supports for feeder circuits 700 A (3-pole)



B  
2.2

Rittal RiLine60 busbar systems UL 508 (60 mm)

**Material:**  
Polyamide (PA 6.6),  
25 % fibreglass-reinforced.  
Continuous operating  
temperature max. 130°C.  
Fire protection corresponding  
to UL 94-V0.

**Colour:**  
RAL 7035

**Short-circuit protection  
diagram,**  
see page 1230.

**Note:**  
Data given in accordance with  
UL may deviate from IEC data,  
see page 1233 – 1235.

**1** With attachment holes on the  
inside

| Design   | Packs of | <b>1</b> Internal attachment | Page |
|--|----------|------------------------------|------|
| Number of poles  |          | 3-pole                       |      |
| Bar centre distance  |          | 60 mm                        |      |
| For busbars E-Cu   |          | 15 x 5 – 30 x 10 mm          |      |
| Tightening torque  |          | 3 – 5 Nm<br>1 – 3 Nm         |      |
| • Assembly screw (M5 x 16)<br>• Cover attachment               |          |                              |      |
| <b>Model No. SV</b>  | 4        | <b>9340.050</b>              |      |
| <b>Accessories</b>   |          |                              |      |
| <b>2</b> End covers for contact hazard protection on the sides | 2        | <b>9340.070</b>              |      |
| Base tray  |          |                              | 351  |
| Cover section  |          |                              | 351  |
| Base tray infill   |          |                              | 351  |
| Base tray reinforcement  |          |                              | 351  |
| Support panel  |          |                              | 351  |

## Busbars E-Cu

To DIN EN 13 601.  
Length: 2400 mm/bar.

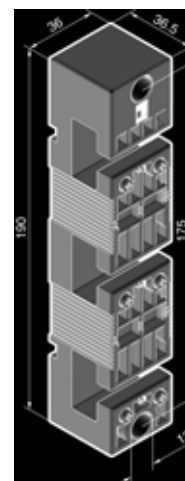
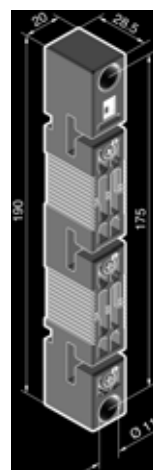
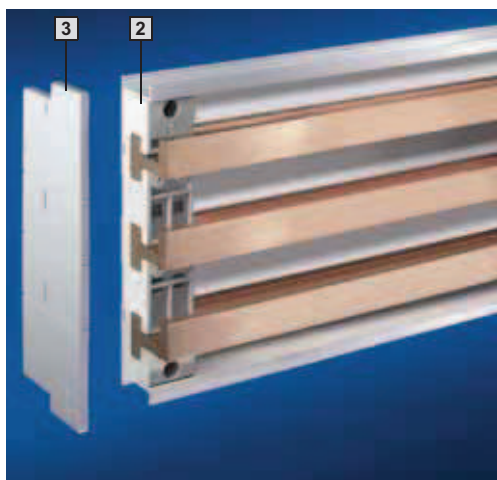
| Dimensions<br>mm | Rated current<br>max. A | Packs of | <b>Model No. SV</b>          | Page |
|------------------|-------------------------|----------|------------------------------|------|
| 15 x 5           | 175                     | 6        | <b>3581.000</b>              |      |
| 15 x 10          | 350                     | 6        | <b>3581.100</b>              |      |
| 20 x 5           | 230                     | 6        | <b>3582.000</b>              |      |
| 20 x 10          | 465                     | 6        | <b>3585.000</b>              |      |
| 25 x 5           | 290                     | 6        | <b>3583.000</b>              |      |
| 30 x 5           | 350                     | 6        | <b>3584.000<sup>1)</sup></b> |      |
| 30 x 10          | 700                     | 6        | <b>3586.000<sup>1)</sup></b> |      |

| <b>Accessories</b>                     |    |  |          |     |
|--|----|--|----------|-----|
| Busbar cover section (length 1 m/each) | 10 |  | 3092.000 | 408 |

<sup>1)</sup> Tin-plated version available on request.

# Rittal RiLine60 busbar systems UL 508 (60 mm)

## PLS busbar supports for feeder circuits 700 A/1400 A (3-pole)



1 Rittal PLS 800

2 Rittal PLS 1600

### Material:

Polyamide (PA 6.6),  
25 % fibreglass-reinforced.  
Continuous operating  
temperature max. 130°C.  
Fire protection corresponding  
to UL 94-V0.

### Colour:

RAL 7035

### Short-circuit protection diagram,

see page 1230.

### Note:

Data given in accordance with  
UL may deviate from IEC data,  
see page 1233 – 1235.

| For Rittal system                                       | Packs of | 1 PLS 800       | 2 PLS 1600      | Page |
|---|----------|-----------------|-----------------|------|
| Number of poles   |          | 3-pole          | 3-pole          |      |
| Bar centre distance                                     |          | 60 mm           | 60 mm           |      |
| Tightening torque                                       |          | 3 – 5 Nm        | 3 – 5 Nm        |      |
| ● Assembly screw (M5 x 20)                              |          | 0.7 Nm          | 0.7 Nm          |      |
| ● Busbar anti-slip guard                                |          |                 |                 |      |
| <b>Model No. SV</b>                                     | 4        | <b>9341.050</b> | <b>9342.050</b> |      |
| <b>Accessories</b>                                      |          |                 |                 |      |
| 3 End covers for contact hazard protection on the sides | 2        | <b>9341.070</b> | <b>9342.070</b> |      |
| Base tray   |          |                 |                 | 353  |
| Cover section   |          |                 |                 | 353  |
| Base tray infill  |          |                 |                 | 353  |
| Base tray reinforcement                                 |          |                 |                 | 353  |
| Support panel   |          |                 |                 | 353  |

## PLS special busbars

made from E-Cu

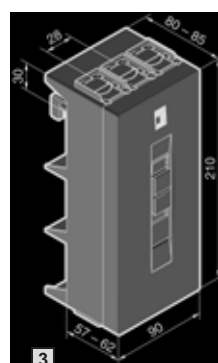
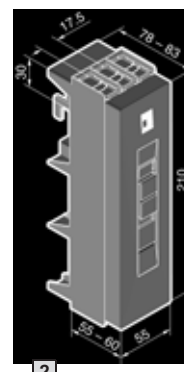
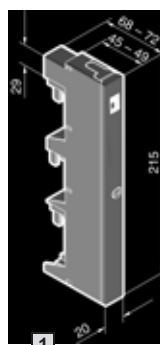
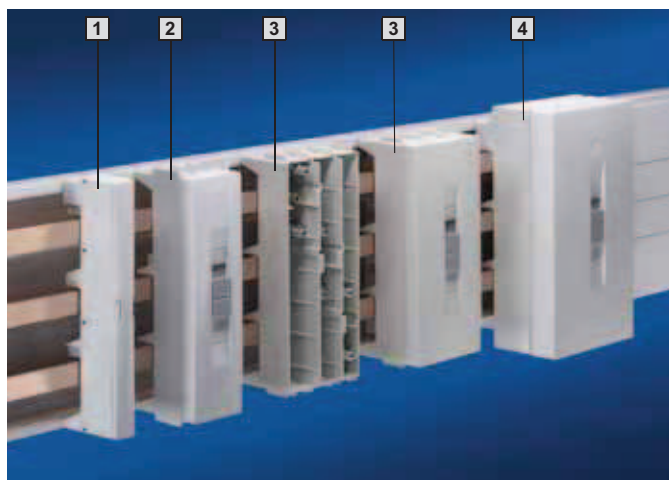
| For Rittal system  |                           | Packs of | PLS 800                      | PLS 1600                     |
|--------------------|---------------------------|----------|------------------------------|------------------------------|
| Rated current max. |                           |          | 700 A                        | 1400 A                       |
| Cross-section      |                           |          | 300 mm <sup>2</sup>          | 900 mm <sup>2</sup>          |
| Bar thickness      |                           |          | 5 mm                         | 10 mm                        |
| Length<br>mm       | For enclosure width<br>mm |          | Model No. SV                 | Model No. SV                 |
| 495                | 600 <sup>1)</sup>         | 3        | <b>3524.000<sup>2)</sup></b> | <b>3527.000<sup>2)</sup></b> |
| 695                | 800 <sup>1)</sup>         | 3        | <b>3525.000<sup>2)</sup></b> | <b>3528.000<sup>2)</sup></b> |
| 895                | 1000 <sup>1)</sup>        | 3        | <b>3525.010<sup>2)</sup></b> | <b>3528.010<sup>2)</sup></b> |
| 1095               | 1200 <sup>1)</sup>        | 3        | <b>3526.000<sup>2)</sup></b> | <b>3529.000<sup>2)</sup></b> |
| 2400               | variable                  | 1        | <b>3509.000<sup>2)</sup></b> | <b>3516.000<sup>2)</sup></b> |

<sup>1)</sup> For Rittal TS 8/ES enclosure systems.

<sup>2)</sup> To order tin-plated version, please add extension .2X0 to the Model No. Delivery times available on request.

# Rittal RiLine60 busbar systems 800/1600 A (60 mm)

## Busbar connection adaptors (3-pole)



B  
2.2

Rittal RiLine60 busbar systems 800/1600 A (60 mm)

**Material:**  
**Punched section**  
 Polyamide (PA 6.6),  
 25 % fibreglass-reinforced.  
 Continuous operating  
 temperature max. 130°C.  
 Fire protection corresponding  
 to UL 94-V0.  
**Cover**  
 ABS,  
 fire protection corresponding  
 to UL 94-V0.

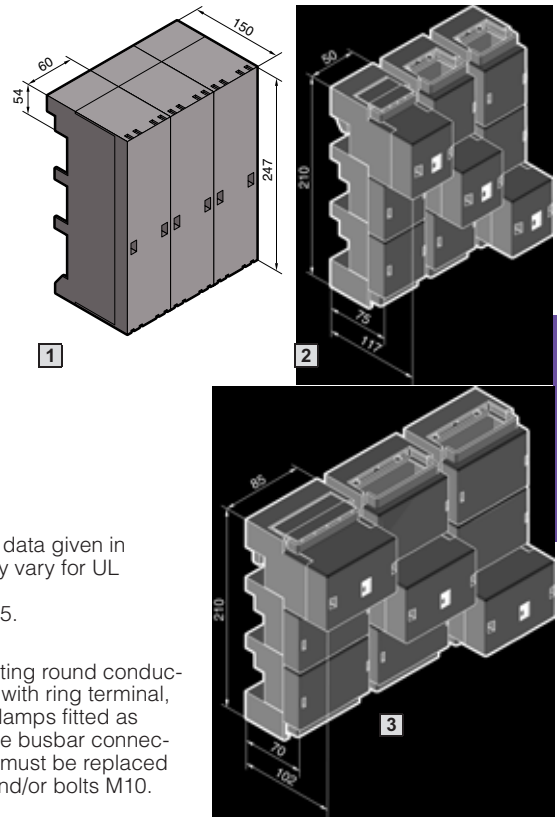
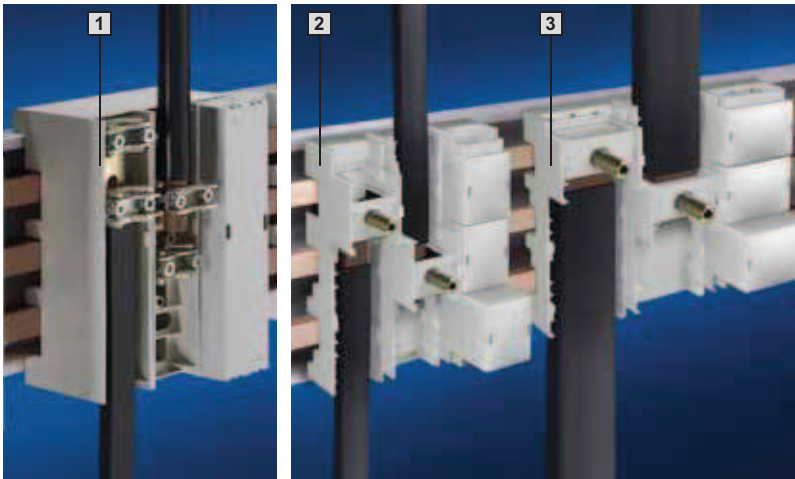
**Colour:**  
 RAL 7035  
**Supply includes:**  
 Cover.  
**Note:**  
 The technical data given in  
 the tables may vary for UL  
 applications;  
 see page 1235.

| Version (3-pole)                        | Packs of | 1                        | 2                       | 3                        | 4                        | Page |
|---|----------|--------------------------|-------------------------|--------------------------|--------------------------|------|
| Rated current up to                     |          | 63 A                     | 125 A                   | 250 A                    | 800 A                    |      |
| Rated operating voltage                 |          | 690 V~                   | 690 V~                  | 690 V~                   | 690 V~                   |      |
| Connection of round conductors          |          |                          |                         |                          |                          |      |
| • Fine wire with wire end ferrule       |          | 2.5 – 10 mm <sup>2</sup> | 10 – 25 mm <sup>2</sup> | 35 – 120 mm <sup>2</sup> | 95 – 185 mm <sup>2</sup> |      |
| • Multi-wire                            |          | 2.5 – 16 mm <sup>2</sup> | 16 – 35 mm <sup>2</sup> | 35 – 120 mm <sup>2</sup> | 95 – 300 mm <sup>2</sup> |      |
| • Solid                                 |          | 2.5 – 16 mm <sup>2</sup> | –                       | –                        | –                        |      |
| Clamping area for laminated copper bars |          | –                        | 10 x 7.8 mm             | 18.5 x 15.5 mm           | 33 x 20 mm               |      |
| Tightening torque                       |          |                          |                         |                          |                          |      |
| • Assembly screw                        |          | 2 Nm                     | 2 Nm                    | 4 – 6 Nm                 | 6 Nm                     |      |
| • Terminal screw                        |          | 2.5 Nm                   | 2 – 3 Nm                | 8 – 10 Nm                | 12 – 14 Nm               |      |
| For bar thickness                       |          | 5/10 mm                  | 5/10 mm                 | 5/10 mm                  | 5/10 mm                  |      |
| Outlet top/bottom                       | 1        | –                        | 9342.220 <sup>1)</sup>  | 9342.250                 | 9342.280 <sup>1)</sup>   |      |
| Model No. SV                            | 1        | 9342.200                 | 9342.230                | 9342.260                 | 9342.290                 |      |
| Outlet at top                           | 1        | 9342.210                 | 9342.240                | 9342.270                 | 9342.300                 |      |
| Model No. SV                            | 1        | 9342.210                 | 9342.240                | 9342.270                 | 9342.300                 |      |
| <b>Accessories</b>                      |          |                          |                         |                          |                          |      |
| Laminated copper bars                   |          | –                        | ■                       | ■                        | ■                        | 411  |

<sup>1)</sup> Not suitable for UL applications.

# Rittal RiLine60 busbar systems 800/1600 A (60 mm)

## Busbar connection adaptors (3-pole)



### Material:

#### Punched section SV 3439.010

Fibreglass-reinforced, thermoplastic polyester (PBT). Continuous operating temperature max. 140°C. Fire protection corresponding to UL 94-V0.

#### SV 9342.310/.320

Polyamide (PA 6.6), 25 % fibreglass-reinforced. Continuous operating temperature max. 130°C. Fire protection corresponding to UL 94-V0.

### Cover

ABS, fire protection corresponding to UL 94-V0.

**Colour:**  
RAL 7035

**Supply includes:**  
Cover.

### Note:

The technical data given in the tables may vary for UL applications; see page 1235.

#### SV 3439.010

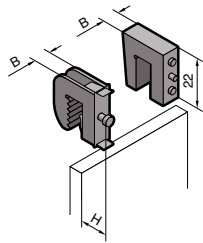
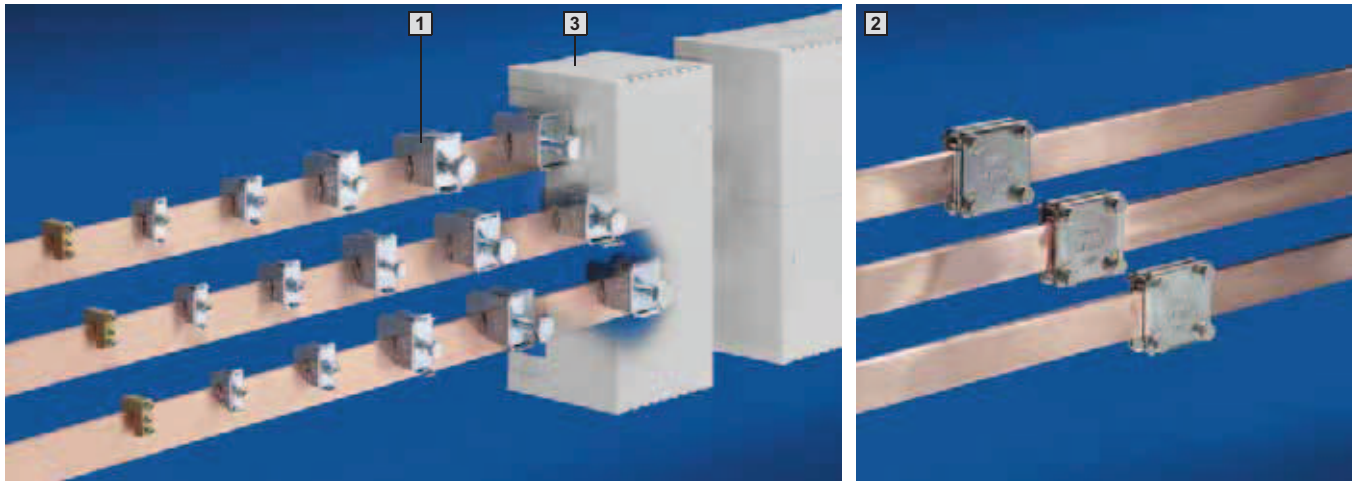
When connecting round conductors 300 mm<sup>2</sup> with ring terminal, the terminal clamps fitted as standard in the busbar connection adaptors must be replaced with screws and/or bolts M10.

| Version (3 x 1-pole)                    | Packs of     | 1                            | 2                        | 3               | Page |
|---|--------------|------------------------------|--------------------------|-----------------|------|
| Rated current up to                     |              | 600 A                        | 800 A                    | 1600 A          |      |
| Rated operating voltage                 |              | 690 V~                       | 690 V~                   | 690 V~          |      |
| Outlet                                  |              | top/bottom                   | top/bottom               | top/bottom      |      |
| Connection of round conductors          |              |                              |                          |                 |      |
| ● Fine wire with wire end ferrule       |              | 35 – 240 mm <sup>2</sup>     | 95 – 185 mm <sup>2</sup> | –               |      |
| ● Multi-wire                            |              | 35 – 240 mm <sup>2</sup>     | 95 – 300 mm <sup>2</sup> | –               |      |
| Clamping area for laminated copper bars |              |                              |                          |                 |      |
| ● with 5 mm bar thickness               |              | 24 x 21 mm                   | 33 x 27 mm               | 65 x 27 mm      |      |
| ● with 10 mm bar thickness              |              | 24 x 21 mm                   | 33 x 22 mm               | 65 x 22 mm      |      |
| Tightening torque                       |              |                              |                          |                 |      |
| ● Assembly screw                        |              | 15 – 20 Nm                   | –                        | –               |      |
| ● Terminal screw                        |              | 15 Nm                        | 12 – 14 Nm               | 15 – 20 Nm      |      |
| For bar thickness                       |              | 5/10 mm                      | 5/10 mm                  | 5/10 mm         |      |
| <b>Model No. SV</b>                     | 1 set (of 3) | <b>3439.010<sup>1)</sup></b> | <b>9342.310</b>          | <b>9342.320</b> |      |
| <b>Accessories</b>                      |              |                              |                          |                 |      |
| Laminated copper bars                   |              | ■                            | ■                        | ■               | 411  |

<sup>1)</sup> Not suitable for UL applications.

# Rittal RiLine60 busbar systems 800/1600 A (60 mm)

## Connection clamps/system covers



### 1 Conductor connection clamps

| For bar thickness mm | Connection of round conductors <sup>1)</sup> mm <sup>2</sup> | Clamping area for laminated copper bars mm | Tightening torque Nm | Width (B) mm | Height (H) mm |      | Packs of | Model No. SV |
|----------------------|--|--|----------------------|--------------|---------------|------|----------|--------------|
|                      |  |  |                      |              | min.          | max. |          |              |
| 3 – 5                | 1 – 4  | –  | 2                    | 8.0          | –             | –    | 15       | 3550.000     |
| 5                    | 1 – 4  | –  | 2                    | 11.0         | 17            | 23   | 15       | 3450.500     |
| 5                    | 2.5 – 16   | 8 x 8                                      | 3                    | 14.0         | 22            | 29   | 15       | 3451.500     |
| 5                    | 16 – 50  | 10.5 x 11                                  | 6 – 8                | 18.5         | 26            | 39   | 15       | 3452.500     |
| 5                    | 35 – 70  | 16.5 x 15                                  | 10 – 12              | 24.5         | 39            | 57   | 15       | 3453.500     |
| 5                    | 70 – 185   | 22.5 x 20                                  | 12 – 15              | 30.5         | 44            | 66   | 15       | 3454.500     |
| 6 – 10               | 1 – 4  | –  | 2                    | 8.0          | –             | –    | 15       | 3555.000     |
| 10                   | 1 – 4  | –  | 2                    | 11.0         | 17            | 23   | 15       | 3455.500     |
| 10                   | 2.5 – 16   | 8 x 8                                      | 3                    | 14.0         | 22            | 29   | 15       | 3456.500     |
| 10                   | 16 – 50  | 10.5 x 11                                  | 6 – 8                | 18.5         | 26            | 39   | 15       | 3457.500     |
| 10                   | 35 – 70  | 16.5 x 15                                  | 10 – 12              | 24.5         | 39            | 57   | 15       | 3458.500     |
| 10                   | 70 – 185   | 22.5 x 20                                  | 12 – 15              | 30.5         | 44            | 66   | 15       | 3459.500     |

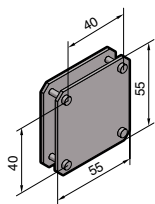
<sup>1)</sup> Wire end ferrules should be used with fine wire conductors.

#### Material:

Sheet steel, zinc-plated, passivated (SV 3450.500 – SV 3459.500),  
Brass (SV 3550.000/SV 3555.000).

#### + Accessories:

Laminated copper bars, see page 411.



### 2 Plate clamp

For busbars 12 x 5 – 30 x 10 mm.  
Clamping area for laminated copper bars: 34 x 10 mm.  
Tightening torque: 6 – 8 Nm.

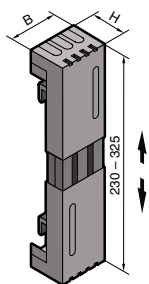
#### Material:

Sheet steel, zinc-plated, passivated.

| Packs of | Model No. SV |
|----------|--------------|
| 3        | 3554.000     |

#### + Accessories:

Laminated copper bars, see page 411.



### 3 System covers

For conductor connection clamps and plate clamps.

#### Material:

ABS.  
Continuous operating temperature max. 80°C.  
Fire protection corresponding to UL 94-V0.

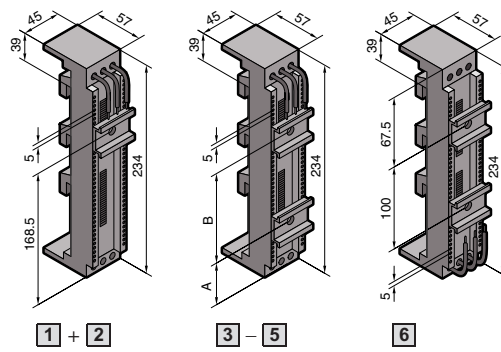
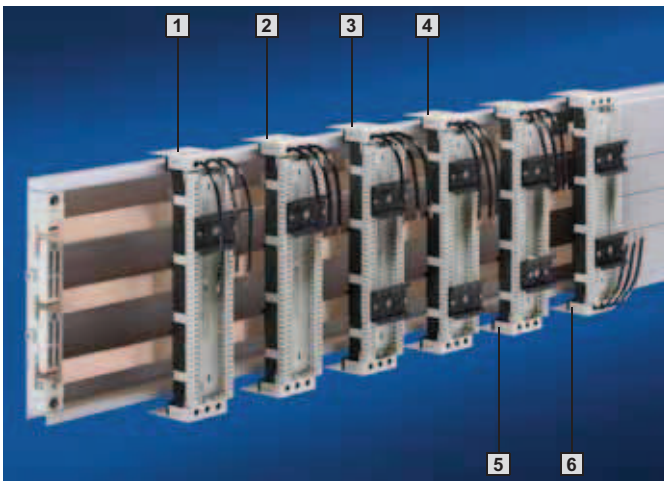
#### Note:

Only suitable for use with systems without a base tray.

| Width (B) mm | Height (H) mm | Packs of | Model No. SV |
|--------------|---------------|----------|--------------|
| 50           | 80            | 4        | 3086.000     |
| 100          | 80            | 4        | 3087.000     |
| 100          | 110           | 4        | 3090.000     |
| 200          | 80            | 4        | 3088.000     |
| 200          | 110           | 4        | 3091.000     |

# Rittal RiLine60 busbar systems 800/1600 A (60 mm)

## Multi-functional component adaptors 12 A/25 A (3-pole)



### Material:

Polyamide (PA 6.6),  
25 % fibreglass-reinforced.  
Continuous operating  
temperature max. 140°C.  
Fire protection corresponding  
to UL 94-V0.

### Colour:

RAL 7035,  
RAL 9011 (chassis)

### Note:

Overview of standard switch-  
gear with allocation of the  
relevant adaptor,  
see page 1239.

Current carrying capacity of the  
supply cables fitted as standard,  
see page 1236.

B  
2.2

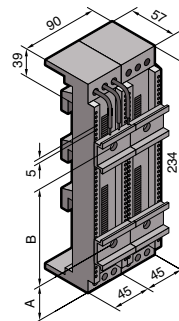
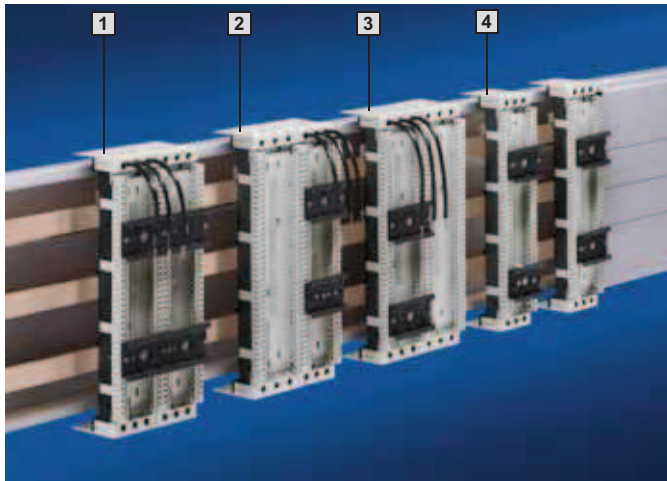
Rittal RiLine60 busbar systems 800/1600 A (60 mm)

| For snap-on mounting                       |        | 1        | 2        | 3        | 4        | 5              | 6        | Page |
|--|--------|----------|----------|----------|----------|----------------|----------|------|
| Construction width                         |        | 45 mm    | 45 mm    | 45 mm    | 45 mm    | 45 mm          | 45 mm    |      |
| Rated current up to                        |        | 12 A     | 25 A     | 25 A     | 25 A     | 25 A           | 25 A     |      |
| Rated operating voltage                    |        | 690 V~   | 690 V~   | 690 V~   | 690 V~   | 690 V~         | 690 V~   |      |
| Cable outlet                               |        | top      | top      | top      | top      | top            | bottom   |      |
| Connection cables <sup>1)</sup>            |        | AWG 14   | AWG 12   | AWG 12   | AWG 12   | AWG 12         | AWG 12   |      |
| Support rails                              | Qty.   | 1        | 1        | 2        | 2        | 2 (1 variable) | 2        |      |
|  | Height | 10 mm    | 10 mm    | 10 mm    | 10 mm    | 10 mm          | 10 mm    |      |
|  | A      | –        | –        | 68.5 mm  | 55 mm    | variable       | –        |      |
|  | B      | –        | –        | 100 mm   | 125 mm   | variable       | –        |      |
| Packs of                                   |        | 1        | 1        | 1        | 1        | 1              | 1        |      |
| For 5 mm bar thickness<br>Model No. SV     |        | 9320.160 | 9320.180 | 9320.200 | 9320.440 | 9320.220       | 9320.240 |      |
| For 10 mm bar thickness<br>Model No. SV    |        | 9320.170 | 9320.190 | 9320.210 | 9320.450 | 9320.230       | 9320.250 |      |
| <b>Accessories</b>                         |        | Packs of |          |          |          |                |          |      |
| Support rails<br>Width 45 mm, height 10 mm | 5      | 9320.090 | 9320.090 | 9320.090 | 9320.090 | 9320.090       | 9320.090 | 404  |
| Plug-in connector                          | 1      | 9320.110 | 9320.110 | 9320.110 | 9320.110 | 9320.110       | –        | 405  |
| Mounting clip                              | 5      | 9320.140 | 9320.140 | 9320.140 | 9320.140 | 9320.140       | 9320.140 | 405  |

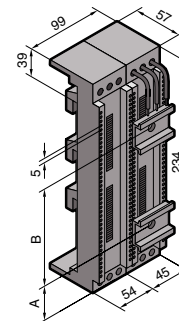
<sup>1)</sup> AWG = American Wire Gauges  
AWG 14 = 2.08 mm<sup>2</sup> ± 2.5 mm<sup>2</sup>  
AWG 12 = 3.31 mm<sup>2</sup> ± 4 mm<sup>2</sup>

# Rittal RiLine60 busbar systems 800/1600 A (60 mm)

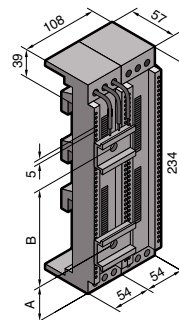
## Multi-functional component adaptors 25 A (3-pole)



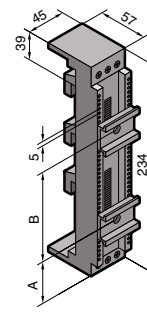
1



2



3



4

B  
2.2

Rittal RiLine60 busbar systems 800/1600 A (60 mm)

### Material:

Polyamide (PA 6.6),  
25 % fibreglass-reinforced.  
Continuous operating  
temperature max. 140°C.  
Fire protection corresponding  
to UL 94-V0.

### Colour:

RAL 7035,  
RAL 9011 (chassis)

### Note:

Overview of standard switch-  
gear with allocation of the  
relevant adaptor,  
see page 1239.

Current carrying capacity of the  
supply cables fitted as standard,  
see page 1236.

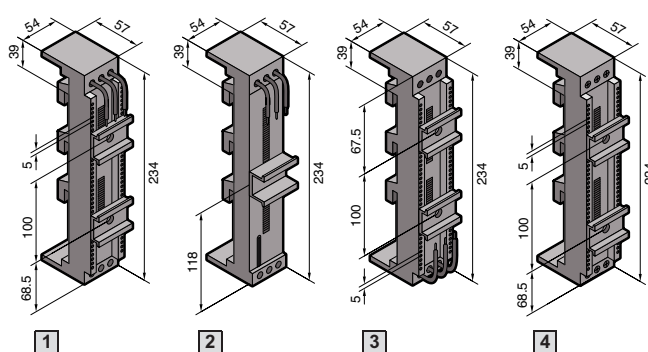
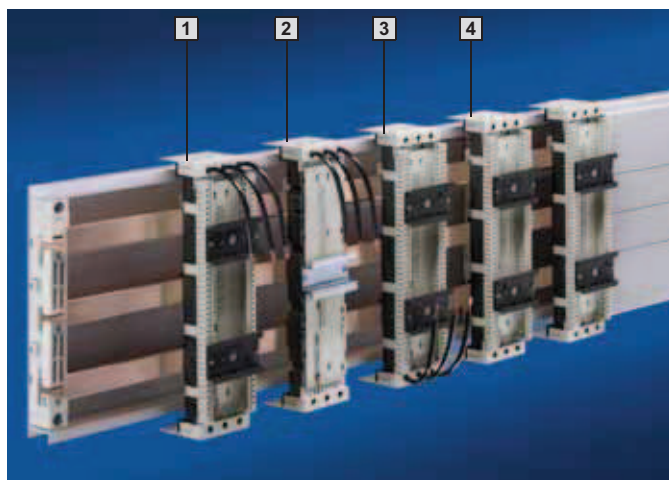
| For snap-on mounting                           | 1               | 2               | 3               | 4                  | 4                  | Page    |
|--|-----------------|-----------------|-----------------|--------------------|--------------------|---------|
| Construction width                             | 90 mm           | 99 mm           | 108 mm          | 45 mm              | 45 mm              |         |
| Rated current up to                            | 25 A            | 25 A            | 25 A            | 25 A               | 25 A               |         |
| Rated operating voltage                        | 690 V~          | 690 V~          | 690 V~          | 690 V~             | 690 V~             |         |
| Cable outlet                                   | top             | top             | top             | top                | top/bottom         |         |
| Connection cables <sup>1)</sup>                | AWG 12          | AWG 12          | AWG 12          | –                  | –                  |         |
| Connection of round conductors up to           | –               | –               | –               | 16 mm <sup>2</sup> | 16 mm <sup>2</sup> |         |
| Support rails                                  | Qty.            | 2               | 2               | 2                  | 2 (1 variable)     | 2       |
|  | Height          | 10 mm           | 10 mm           | 10 mm              | 10 mm              | 10 mm   |
|  | A               | 68.5 mm         | 43 mm           | 43 mm              | variable           | 68.5 mm |
| B  | 100 mm          | 125 mm          | 90 mm           | variable           | 100 mm             |         |
| Packs of                                       | 1               | 1               | 1               | 1                  | 1                  |         |
| For 5 mm bar thickness<br><b>Model No. SV</b>  | <b>9320.380</b> | <b>9320.400</b> | <b>9320.420</b> | <b>9320.260</b>    | <b>9320.280</b>    |         |
| For 10 mm bar thickness<br><b>Model No. SV</b> | <b>9320.390</b> | <b>9320.410</b> | <b>9320.430</b> | <b>9320.270</b>    | <b>9320.290</b>    |         |

| Accessories                                | Packs of |          |          |          |          |          |     |
|--|----------|----------|----------|----------|----------|----------|-----|
| Support rails<br>Width 45 mm, height 10 mm | 5        | 9320.090 | 9320.090 | –        | 9320.090 | 9320.090 | 404 |
| Support rails<br>Width 54 mm, height 10 mm | 5        | –        | 9320.100 | 9320.100 | –        | –        | 404 |
| Plug-in connector                          | 1        | –        | –        | –        | 9320.110 | –        | 405 |
| Mounting clip                              | 5        | 9320.140 | 9320.140 | –        | 9320.140 | 9320.140 | 405 |

<sup>1)</sup> AWG = American Wire Gauges  
AWG 12 = 3.31 mm<sup>2</sup> ± 4 mm<sup>2</sup>

# Rittal RiLine60 busbar systems 800/1600 A (60 mm)

## Multi-functional component adaptors 40 A (3-pole)



### Material:

Polyamide (PA 6.6),  
25 % fibreglass-reinforced.  
Continuous operating  
temperature max. 140°C.  
Fire protection corresponding  
to UL 94-V0.

### Colour:

RAL 7035,  
RAL 9011 (chassis)

### Note:

Overview of standard switch-  
gear with allocation of the  
relevant adaptor,  
see page 1239.

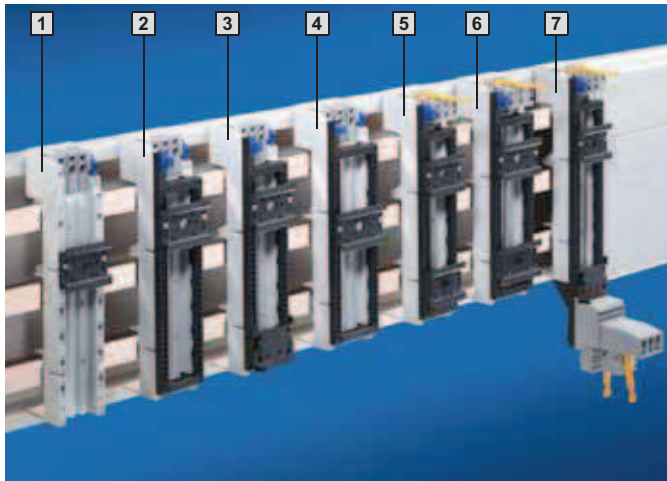
Current carrying capacity of the  
supply cables fitted as standard,  
see page 1236.

| For snap-on mounting                           |          | 1               | 2               | 3               | 4                  | 4                  | Page |
|--|----------|-----------------|-----------------|-----------------|--------------------|--------------------|------|
| Construction width                             |          | 54 mm           | 54 mm           | 54 mm           | 54 mm              | 54 mm              |      |
| Rated current up to                            |          | 40 A            | 40 A            | 40 A            | 40 A               | 40 A               |      |
| Rated operating voltage                        |          | 690 V~          | 690 V~          | 690 V~          | 690 V~             | 690 V~             |      |
| Cable outlet                                   |          | top             | top             | bottom          | top                | top/bottom         |      |
| Connection cables <sup>1)</sup>                |          | AWG 10          | AWG 10          | AWG 10          | –                  | –                  |      |
| Connection of round conductors up to           |          | –               | –               | –               | 16 mm <sup>2</sup> | 16 mm <sup>2</sup> |      |
| Support rails                                  | Qty.     | 2               | 1               | 2               | 2                  | 2                  |      |
|  | Height   | 10 mm           | 15 mm           | 10 mm           | 10 mm              | 10 mm              |      |
| Packs of                                       |          | 1               | 1               | 1               | 1                  | 1                  |      |
| For 5 mm bar thickness<br><b>Model No. SV</b>  |          | <b>9320.300</b> | <b>9320.460</b> | <b>9320.320</b> | <b>9320.340</b>    | <b>9320.360</b>    |      |
| For 10 mm bar thickness<br><b>Model No. SV</b> |          | <b>9320.310</b> | <b>9320.470</b> | <b>9320.330</b> | <b>9320.350</b>    | <b>9320.370</b>    |      |
| <b>Accessories</b>                             | Packs of |                 |                 |                 |                    |                    |      |
| Support rails<br>Width 54 mm, height 10 mm     | 5        | 9320.100        | –               | 9320.100        | 9320.100           | 9320.100           | 404  |

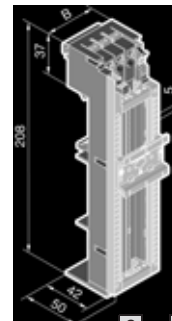
<sup>1)</sup> AWG = American Wire Gauges  
AWG 10 = 5.26 mm<sup>2</sup> ± 6 mm<sup>2</sup>

# Rittal RiLine60 busbar systems 800/1600 A (60 mm)

## OM adaptors 32 A with tension spring clamp/OM Premium adaptors 25 A (3-pole)

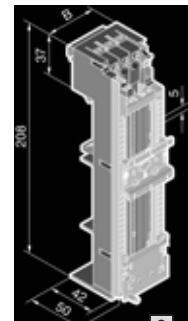


1

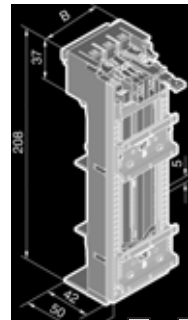


2

4

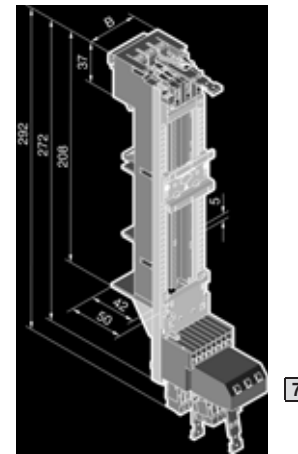


3



5

6



7

**Material:**  
Polyamide (PA 6.6),  
25 % fibreglass-reinforced.  
Continuous operating  
temperature max. 130°C.  
Fire protection corresponding  
to UL 94-V0.

**Colour:**  
RAL 7035 (chassis)

**Note:**  
Overview of standard commer-  
cially available switchgear  
with allocation of the relevant  
adaptor, see page 1240.

Rittal RiLine60 busbar systems 800/1600 A (60 mm)

B  
2.2

| Design  | Packs of               | Premium adaptor         |                         |                         |                         |                         |                         |                         | Page |
|---|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------|
|   |                        | 1                       | 2                       | 3                       | 4                       | 5                       | 6                       | 7                       |      |
| Construction width (B)                          |                        | 45 mm                   | 45 mm                   | 45 mm                   | 55 mm                   | 45 mm                   | 55 mm                   | 45 mm                   |      |
| Length  |                        | 208 mm                  | 208 mm                  | 208 mm                  | 208 mm                  | 208 mm                  | 208 mm                  | 272 mm                  |      |
| Rated current up to                             |                        | 32 A                    | 32 A                    | 32 A                    | 32 A                    | 25 A                    | 25 A                    | 25 A                    |      |
| Rated operating voltage                         |                        | 690 V~                  | 690 V~                  | 690 V~                  | 690 V~                  | 690 V~                  | 690 V~                  | 690 V~                  |      |
| Connection of round conductors                  |                        | 1.5 – 6 mm <sup>2</sup> | 1.5 – 6 mm <sup>2</sup> | 1.5 – 6 mm <sup>2</sup> | 1.5 – 6 mm <sup>2</sup> | 1.5 – 4 mm <sup>2</sup> | 1.5 – 4 mm <sup>2</sup> | 1.5 – 4 mm <sup>2</sup> |      |
| With  | Support frame          | –                       | 45 x 170 mm             | 45 x 170 mm             | 55 x 170 mm             | 45 x 170 mm             | 55 x 170 mm             | 45 x 237 mm             |      |
|   | Support frame supports | –                       | –                       | –                       | –                       | –                       | –                       | ■                       |      |
|   | PinBlock               | –                       | –                       | ■                       | –                       | –                       | –                       | ■                       |      |
|   | Connector outlet       | –                       | –                       | –                       | –                       | 1)                      | 1)                      | 2)                      |      |
| Number of support rails, height 10 mm           |                        | 1                       | 1                       | 1                       | 1                       | 2 <sup>3)</sup>         | 2 <sup>3)</sup>         | 1                       |      |
| Support rail with anti-slip guard <sup>4)</sup> |                        | ■                       | ■                       | ■                       | –                       | –                       | –                       | ■                       |      |
| For 5/10 mm bar thickness<br>Model No. SV       | 1                      | 9340.510                | 9340.530                | 9340.550                | 9340.660                | 9340.910                | 9340.930                | 9340.900                |      |

| Accessories                 |             |    |          |          |          |          |          |          |          |         |
|-----------------------------|-------------|----|----------|----------|----------|----------|----------|----------|----------|---------|
| Cable set<br>for OM adaptor | AWG 14      | 15 | 9340.850 | 9340.850 | 9340.850 | 9340.850 | 9340.850 | 9340.850 | 9340.850 | 402     |
|                             | AWG 12      | 15 | 9340.860 | 9340.860 | 9340.860 | 9340.860 | 9340.860 | 9340.860 | 9340.860 | 402     |
|                             | AWG 10      | 15 | 9340.870 | 9340.870 | 9340.870 | 9340.870 | –        | –        | –        | 402     |
|                             | AWG 8       | 6  | –        | –        | –        | –        | –        | –        | –        | 402     |
|                             | AWG 6       | 6  | –        | –        | –        | –        | –        | –        | –        | 402     |
| Connection pin              |             | 20 | 9340.280 | 9340.280 | 9340.280 | 9340.280 | 9340.280 | 9340.280 | 9340.280 | 401     |
| Insert strip 10 mm          |             | 2  | 9340.290 | 9340.290 | 9340.290 | 9340.290 | 9340.290 | 9340.290 | 9340.290 | 400     |
| OM support                  | 45 x 208 mm | 1  | 9340.260 | 9340.260 | 9340.260 | 9340.260 | 9340.260 | 9340.260 | 9340.260 | 368     |
|                             | 55 x 208 mm | 1  | 9340.270 | 9340.270 | 9340.270 | 9340.270 | 9340.270 | 9340.270 | 9340.270 | 368     |
| Support frame               |             |    |          |          |          |          |          |          |          | 401     |
| PinBlock for support frame  |             |    |          |          |          |          |          |          |          | 402     |
| PinBlock Plus               |             |    |          |          |          |          |          |          |          | 402     |
| Support rails               |             |    |          |          |          |          |          |          |          | 404/405 |
| ST-Combi connector          |             |    |          |          |          |          |          |          |          | 403     |

<sup>1)</sup> Supply includes: Connector with connection facility for 3 main contacts (1.5 – 4 mm<sup>2</sup>).

<sup>2)</sup> Supply includes: Sub-unit with connection facility for 3 main contacts (1.5 – 4 mm<sup>2</sup>) and 8 auxiliary contacts (0.5 – 2.5 mm<sup>2</sup>) including connector.

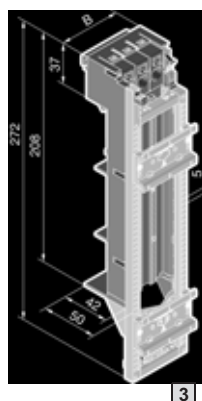
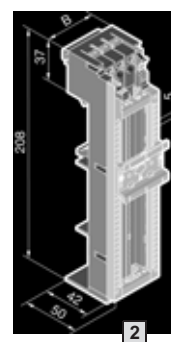
<sup>3)</sup> The lower support rail with special latch is secured from behind with the support frame loosened.

<sup>4)</sup> Anti-slip guard for motor circuit-breaker brands Moeller, Siemens and Telemecanique. Without anti-slip guard for universal applications.

**Busbar systems** Page 350 – 353 **Busbar connection adaptors** Page 356/357 **Connection clamps** Page 358 **OM/OT supports** Page 368/369  
**Component adaptors** Page 359 – 361, 370/371 **Bus-mounting fuse bases** Page 372/373 **NH fused isolators** Page 374  
**NH bus-mounting on-load isolators** Page 375 – 379 **Accessories** Page 400 – 411

# Rittal RiLine60 busbar systems 800/1600 A (60 mm)

## OM adaptors 65 A with tension spring clamp (3-pole)



### Material:

Polyamide (PA 6.6),  
25 % fibreglass-reinforced.  
Continuous operating  
temperature max. 130°C.  
Fire protection corresponding  
to UL 94-V0.

### Note:

Overview of market switchgear  
with allocation of the relevant  
adaptor,  
see page 1240.

### Colour:

RAL 7035 (chassis)

B  
2.2

Rittal RiLine60 busbar systems 800/1600 A (60 mm)

| Design   | Packs of               | 1                        | 2                        | 3                        | Page |
|--|------------------------|--------------------------|--------------------------|--------------------------|------|
| Construction width (B)                           |                        | 55 mm                    | 55 mm                    | 55 mm                    |      |
| Length   |                        | 208 mm                   | 208 mm                   | 272 mm                   |      |
| Rated current up to                              |                        | 65 A                     | 65 A                     | 65 A                     |      |
| Rated operating voltage                          |                        | 690 V~                   | 690 V~                   | 690 V~                   |      |
| Connection of round conductors                   |                        | 2.5 – 16 mm <sup>2</sup> | 2.5 – 16 mm <sup>2</sup> | 2.5 – 16 mm <sup>2</sup> |      |
| With   | Support frame          | –                        | 55 x 170 mm              | 55 x 237 mm              |      |
|  | Support frame supports | –                        | –                        | ■                        |      |
| Number of support rails, height 10 mm            |                        | 1                        | 1                        | 2 <sup>1)</sup>          |      |
| Support rail with anti-slip guard <sup>2)</sup>  |                        | ■                        | ■                        | ■                        |      |
| For 5/10 mm bar thickness<br><b>Model No. SV</b> | 1                      | <b>9340.610</b>          | <b>9340.630</b>          | <b>9340.650</b>          |      |

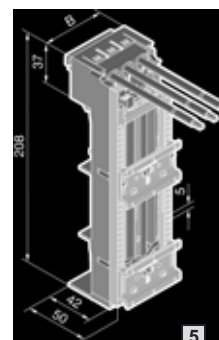
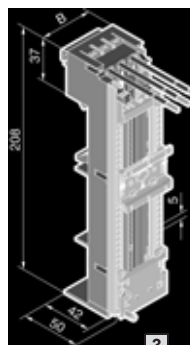
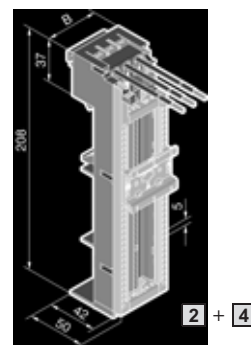
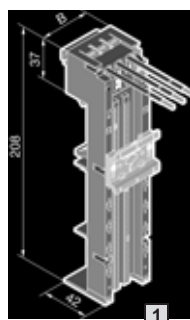
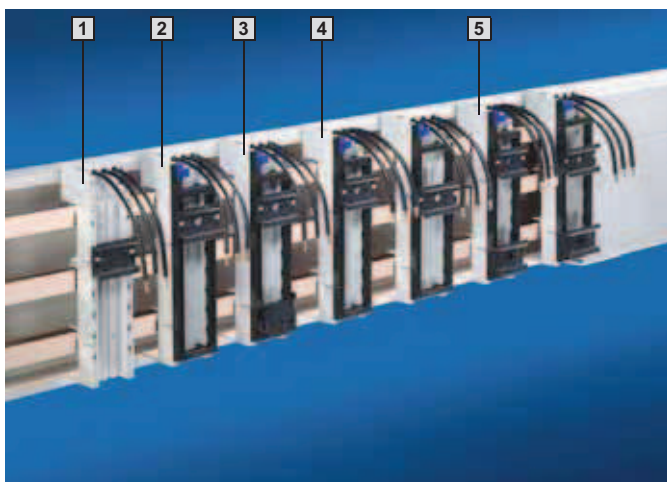
| Accessories                |             |    |          |          |          |         |
|----------------------------|-------------|----|----------|----------|----------|---------|
| Cable set for OM adaptor   | AWG 14      | 15 | 9340.850 | 9340.850 | 9340.850 | 402     |
|                            | AWG 12      | 15 | 9340.860 | 9340.860 | 9340.860 | 402     |
|                            | AWG 10      | 15 | 9340.870 | 9340.870 | 9340.870 | 402     |
|                            | AWG 8       | 6  | 9340.880 | 9340.880 | 9340.880 | 402     |
|                            | AWG 6       | 6  | 9340.890 | 9340.890 | 9340.890 | 402     |
| Connection pin             |             | 20 | 9340.280 | 9340.280 | 9340.280 | 401     |
| Insert strip 10 mm         |             | 2  | 9340.290 | 9340.290 | 9340.290 | 400     |
| OM support                 | 45 x 208 mm | 1  | 9340.260 | 9340.260 | 9340.260 | 368     |
|                            | 55 x 208 mm | 1  | 9340.270 | 9340.270 | 9340.270 | 368     |
| Support frame              |             |    |          |          |          | 401     |
| PinBlock for support frame |             |    |          |          |          | 402     |
| PinBlock Plus              |             |    |          |          |          | 402     |
| Support rails              |             |    |          |          |          | 404/405 |

<sup>1)</sup> The lower support rail with special latch is attached from the rear with the support frame loosened.

<sup>2)</sup> Anti-slip guard for motor circuit-breaker brands Moeller, Siemens and Telemecanique. Without anti-slip guard for universal applications.

# Rittal RiLine60 busbar systems 800/1600 A (60 mm)

## OM adaptors 25 A/32 A with connection cables (3-pole)



B  
2.2

Rittal RiLine60 busbar systems 800/1600 A (60 mm)

### Material:

Polyamide (PA 6.6),  
25 % fibreglass-reinforced.  
Continuous operating  
temperature max. 130°C.  
Fire protection corresponding  
to UL 94-V0.

### Colour:

RAL 7035 (chassis)

### Note:

The technical data given in  
the tables may vary for UL  
applications;  
see page 1235.

Overview of standard commer-  
cially available switchgear  
with allocation of the relevant  
adaptor,  
see page 1241.

Current carrying capacity of the  
supply cables fitted as standard,  
see page 1236.

| Design                                    | Packs of  | 1        | 2           | 3           | 4           | 5               | 4           | 5               | Page |
|---|---|----------|-------------|-------------|-------------|-----------------|-------------|-----------------|------|
| Construction width (B)                    |   | 45 mm    | 45 mm       | 45 mm       | 45 mm       | 45 mm           | 55 mm       | 55 mm           |      |
| Length                                    |   | 208 mm   | 208 mm      | 208 mm      | 208 mm      | 208 mm          | 208 mm      | 208 mm          |      |
| Rated current up to                       |   | 25 A     | 25 A        | 25 A        | 32 A        | 32 A            | 32 A        | 32 A            |      |
| Rated operating voltage                   |   | 690 V~   | 690 V~      | 690 V~      | 690 V~      | 690 V~          | 690 V~      | 690 V~          |      |
| Connection cables <sup>1)</sup>           |   | AWG 12   | AWG 12      | AWG 12      | AWG 10      | AWG 10          | AWG 10      | AWG 10          |      |
| With                                      | Support frame                                   | –        | 45 x 170 mm | 45 x 170 mm | 45 x 170 mm | 45 x 170 mm     | 55 x 170 mm | 55 x 170 mm     |      |
|   | PinBlock  | –        | –           | ■           | –           | –               | –           | –               |      |
| Number of support rails, height           | 10 mm   | 1        | 1           | 1           | 1           | 2 <sup>2)</sup> | 1           | 2 <sup>2)</sup> |      |
|   | Support rail with anti-slip guard <sup>3)</sup> | ■        | ■           | ■           | ■           | –               | –           | –               |      |
| For 5/10 mm bar thickness<br>Model No. SV | 1   | 9340.310 | 9340.340    | 9340.370    | 9340.350    | 9340.380        | 9340.460    | 9340.470        |      |

### Accessories

|                            |             |          |          |          |          |          |          |          |         |
|----------------------------|-------------|----------|----------|----------|----------|----------|----------|----------|---------|
| Connection pin             | 20          | 9340.280 | 9340.280 | 9340.280 | 9340.280 | 9340.280 | 9340.280 | 9340.280 | 401     |
| Insert strip 10 mm         | 2           | 9340.290 | 9340.290 | 9340.290 | 9340.290 | 9340.290 | 9340.290 | 9340.290 | 400     |
| OM support                 | 45 x 208 mm | 1        | 9340.260 | 9340.260 | 9340.260 | 9340.260 | 9340.260 | 9340.260 | 368     |
|                            | 55 x 208 mm | 1        | 9340.270 | 9340.270 | 9340.270 | 9340.270 | 9340.270 | 9340.270 | 368     |
| Support frame              |             |          |          |          |          |          |          |          | 401     |
| PinBlock for support frame |             |          |          |          |          |          |          |          | 402     |
| PinBlock Plus              |             |          |          |          |          |          |          |          | 402     |
| Support rails              |             |          |          |          |          |          |          |          | 404/405 |

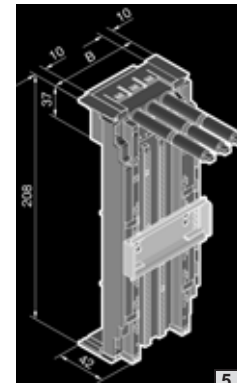
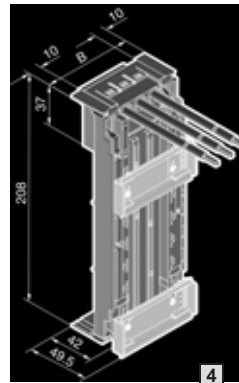
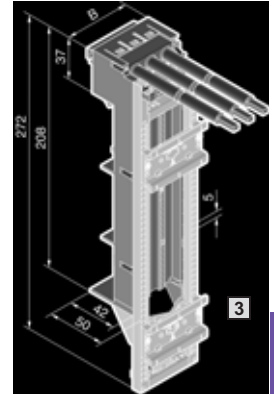
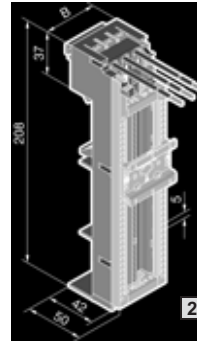
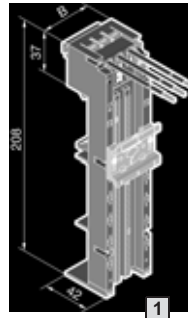
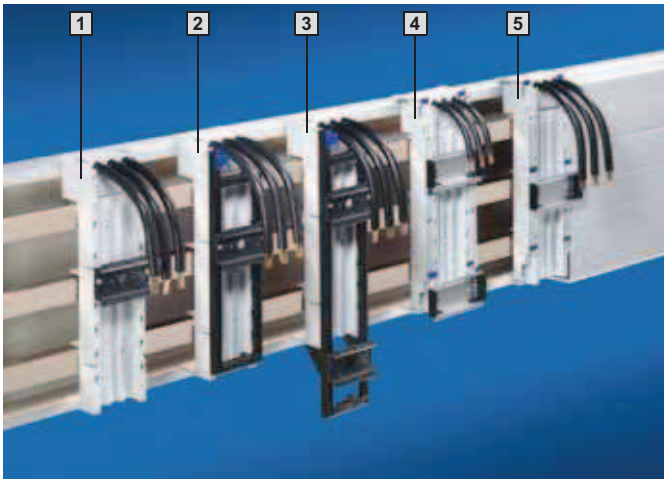
<sup>1)</sup> AWG = American Wire Gauges  
AWG 12 = 3.31 mm<sup>2</sup> ± 4 mm<sup>2</sup>  
AWG 10 = 5.26 mm<sup>2</sup> ± 6 mm<sup>2</sup>

<sup>2)</sup> The lower support rail with special latch is secured from behind with the support frame loosened.

<sup>3)</sup> Anti-slip guard for motor circuit-breaker brands Moeller, Siemens and Telemecanique. Without anti-slip guard for universal applications.

# Rittal RiLine60 busbar systems 800/1600 A (60 mm)

## OM adaptors 40 A/65 A with connection cables (3-pole)



### Material:

Polyamide (PA 6.6),  
25 % fibreglass-reinforced.  
Continuous operating  
temperature max. 130°C.  
Fire protection corresponding  
to UL 94-V0.

### Colour:

RAL 7035 (chassis)

### Note:

The technical data given in  
the tables may vary for UL  
applications;  
see page 1235.

Overview of standard commer-  
cially available switchgear  
with allocation of the relevant  
adaptor,  
see page 1241.

Current carrying capacity of the  
supply cables fitted as standard,  
see page 1236.

B  
2.2

Rittal RiLine60 busbar systems 800/1600 A (60 mm)

| Design   | Packs of               | 1               | 2               | 3               | 4               | 5               | Page    |
|--|------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------|
| Construction width (B)                           |                        | 55 mm           | 55 mm           | 55 mm           | 75 mm           | 75 mm           |         |
| Length   |                        | 208 mm          | 208 mm          | 272 mm          | 208 mm          | 208 mm          |         |
| Rated current up to                              |                        | 65 A            | 65 A            | 65 A            | 40 A            | 65 A            |         |
| Rated operating voltage                          |                        | 690 V~          | 690 V~          | 690 V~          | 690 V~          | 690 V~          |         |
| Connection cables <sup>1)</sup>                  |                        | AWG 6           | AWG 6           | AWG 6           | AWG 8           | AWG 6           |         |
| With   | Support frame          | –               | 55 x 170 mm     | 55 x 237 mm     | –               | –               |         |
|  | Support frame supports | –               | –               | ■               | –               | –               |         |
|  | Insert strips          | –               | –               | –               | ■               | ■               |         |
| Number of support rails, height                  | 10 mm                  | 1               | 1               | 2 <sup>2)</sup> | –               | –               |         |
|  | 7.5 mm                 | –               | –               | –               | 2               | 1               |         |
| Support rail with anti-slip guard <sup>3)</sup>  |                        | ■               | ■               | ■               | –               | –               |         |
| For 5/10 mm bar thickness<br><b>Model No. SV</b> | 1                      | <b>9340.410</b> | <b>9340.430</b> | <b>9340.450</b> | <b>9340.710</b> | <b>9340.700</b> |         |
| <b>Accessories</b>                               |                        |                 |                 |                 |                 |                 |         |
| Connection pin                                   | 20                     | 9340.280        | 9340.280        | 9340.280        | 9340.280        | 9340.280        | 401     |
| Insert strip 10 mm                               | 2                      | 9340.290        | 9340.290        | 9340.290        | 9340.290        | 9340.290        | 400     |
| OM support                                       | 45 x 208 mm            | 1               | 9340.260        | 9340.260        | 9340.260        | 9340.260        | 368     |
|  | 55 x 208 mm            | 1               | 9340.270        | 9340.270        | 9340.270        | 9340.270        | 368     |
| Support frame                                    |                        |                 |                 |                 |                 |                 | 401     |
| PinBlock for support frame                       |                        |                 |                 |                 |                 |                 | 402     |
| PinBlock Plus                                    |                        |                 |                 |                 |                 |                 | 402     |
| Support rails                                    |                        |                 |                 |                 |                 |                 | 404/405 |

<sup>1)</sup> AWG = American Wire Gauges

AWG 8 = 8.37 mm<sup>2</sup> ± 10 mm<sup>2</sup>

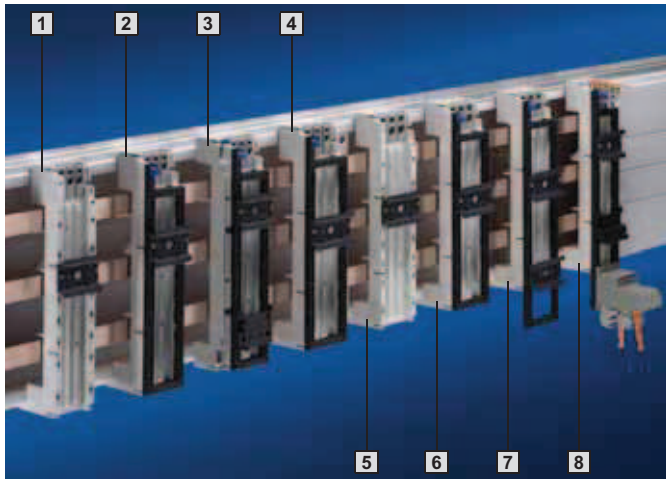
AWG 6 = 13.3 mm<sup>2</sup> ± 16 mm<sup>2</sup>

<sup>2)</sup> The lower support rail with special latch is secured from behind with the support frame loosened.

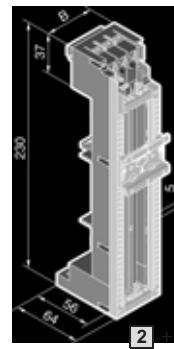
<sup>3)</sup> Anti-slip guard for motor circuit-breaker brands Moeller, Siemens and Telemecanique. Without anti-slip guard for universal applications.

# Rittal RiLine60 busbar systems 800/1600 A (60 mm)

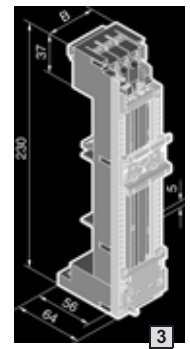
## OT adaptors 32 A/65 A with tension spring clamp/OT Premium adaptors 25 A (3-pole)



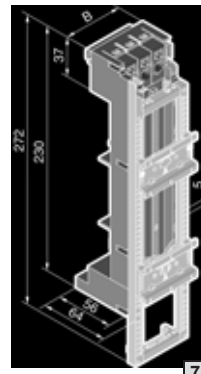
1 + 5



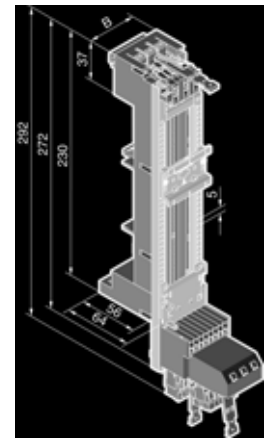
2 + 4 + 6



3



7



8

**Material:**  
Polyamide (PA 6.6),  
25 % fibreglass-reinforced.  
Continuous operating  
temperature max. 130°C.  
Fire protection corresponding  
to UL 94-V0.

**Colour:**  
RAL 7035 (chassis)

**Note:**  
OT adaptors may only be used  
with 10 mm thick busbars or  
Rittal PLS 800/1600. Maximum  
support spacing 300 mm.

Overview of standard commer-  
cially available switchgear  
with allocation of the relevant  
adaptor,  
see page 1242.

| Design  | Packs of                       | 1                       | 2                       | 3                       | 4                       | 5                        | 6                        | 7                        | Premium adaptor         | Page |
|---|--------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|--------------------------|-------------------------|------|
| Construction width (B)                          |                                | 45 mm                   | 45 mm                   | 45 mm                   | 55 mm                   | 55 mm                    | 55 mm                    | 55 mm                    | 45 mm                   |      |
| Length  |                                | 230 mm                  | 230 mm                  | 230 mm                  | 230 mm                  | 230 mm                   | 230 mm                   | 272 mm                   | 272 mm                  |      |
| Rated current up to                             |                                | 32 A                    | 32 A                    | 32 A                    | 32 A                    | 65 A                     | 65 A                     | 65 A                     | 25 A                    |      |
| Rated operating voltage                         |                                | 690 V~                  | 690 V~                  | 690 V~                  | 690 V~                  | 690 V~                   | 690 V~                   | 690 V~                   | 690 V~                  |      |
| Connection of round conductors                  |                                | 1.5 – 6 mm <sup>2</sup> | 1.5 – 6 mm <sup>2</sup> | 1.5 – 6 mm <sup>2</sup> | 1.5 – 6 mm <sup>2</sup> | 2.5 – 16 mm <sup>2</sup> | 2.5 – 16 mm <sup>2</sup> | 2.5 – 16 mm <sup>2</sup> | 1.5 – 4 mm <sup>2</sup> |      |
| With  | Support frame                  | –                       | 45 x 195 mm             | 45 x 195 mm             | 55 x 195 mm             | –                        | 55 x 195 mm              | 55 x 237 mm              | 45 x 237 mm             |      |
|   | PinBlock                       | –                       | –                       | ■                       | –                       | –                        | –                        | –                        | ■                       |      |
|   | Connector outlet <sup>1)</sup> | –                       | –                       | –                       | –                       | –                        | –                        | –                        | ■                       |      |
| Number of support rails, height 10 mm           |                                | 1                       | 1                       | 1                       | 1                       | 1                        | 1                        | 2 <sup>2)</sup>          | 1                       |      |
| Support rail with anti-slip guard <sup>3)</sup> |                                | ■                       | ■                       | ■                       | –                       | ■                        | ■                        | ■                        | ■                       |      |
| For 5/10 mm bar thickness<br>Model No. SV       | 1                              | 9341.510                | 9341.530                | 9341.550                | 9341.660                | 9341.610                 | 9341.630                 | 9341.650                 | 9341.900                |      |

### Also required

Base tray 351, 353

Base tray reinforcement 351, 353

### Accessories

|                            |             |          |          |          |          |          |          |          |          |          |         |
|----------------------------|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|
| Cable set for OT adaptor   | AWG 14      | 15       | 9340.850 | 9340.850 | 9340.850 | 9340.850 | 9340.850 | 9340.850 | 9340.850 | 9340.850 | 402     |
|                            | AWG 12      | 15       | 9340.860 | 9340.860 | 9340.860 | 9340.860 | 9340.860 | 9340.860 | 9340.860 | 9340.860 | 402     |
|                            | AWG 10      | 15       | 9340.870 | 9340.870 | 9340.870 | 9340.870 | 9340.870 | 9340.870 | 9340.870 | –        | 402     |
|                            | AWG 8       | 6        | –        | –        | –        | –        | 9340.880 | 9340.880 | 9340.880 | –        | 402     |
|                            | AWG 6       | 6        | –        | –        | –        | –        | 9340.890 | 9340.890 | 9340.890 | –        | 402     |
| Connection pin             | 20          | 9340.280 | 9340.280 | 9340.280 | 9340.280 | 9340.280 | 9340.280 | 9340.280 | 9340.280 | 401      |         |
| Insert strip 10 mm         | 2           | 9341.290 | 9341.290 | 9341.290 | 9341.290 | 9341.290 | 9341.290 | 9341.290 | 9341.290 | 400      |         |
| OT support                 | 45 x 230 mm | 1        | 9341.260 | 9341.260 | 9341.260 | 9341.260 | 9341.260 | 9341.260 | 9341.260 | 9341.260 | 369     |
|                            | 55 x 230 mm | 1        | 9341.270 | 9341.270 | 9341.270 | 9341.270 | 9341.270 | 9341.270 | 9341.270 | 9341.270 | 369     |
| Support frame              |             |          |          |          |          |          |          |          |          |          | 401     |
| PinBlock for support frame |             |          |          |          |          |          |          |          |          |          | 402     |
| PinBlock Plus              |             |          |          |          |          |          |          |          |          |          | 402     |
| Support rails              |             |          |          |          |          |          |          |          |          |          | 404/405 |
| ST-Combi connector         |             |          |          |          |          |          |          |          |          |          | 403     |

<sup>1)</sup> Supply includes: Sub-unit with connection facility for 3 main contacts (1.5 – 4 mm<sup>2</sup>) and 8 auxiliary contacts (0.5 – 2.5 mm<sup>2</sup>) including connector.

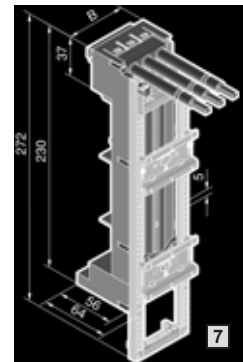
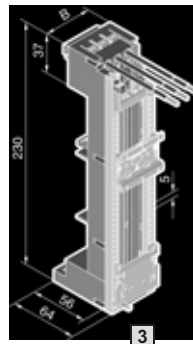
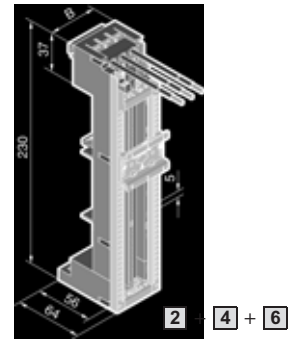
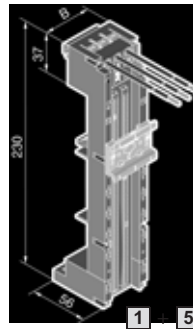
<sup>2)</sup> The lower support rail with special latch is secured from behind with the support frame loosened.

<sup>3)</sup> Anti-slip guard for motor circuit-breaker brands Moeller, Siemens and Telemecanique. Without anti-slip guard for universal applications.

**Busbar systems** Page 350 – 353 **Busbar connection adaptors** Page 356/357 **Connection clamps** Page 358 **OM/OT supports** Page 368/369  
**Component adaptors** Page 359 – 361, 370/371 **Bus-mounting fuse bases** Page 372/373 **NH fused isolators** Page 374  
**NH bus-mounting on-load isolators** Page 375 – 379 **Accessories** Page 400 – 411

# Rittal RiLine60 busbar systems 800/1600 A (60 mm)

## OT adaptors 25 A/32 A/65 A with connection cables (3-pole)



### Material:

Polyamide (PA 6.6),  
25 % fibreglass-reinforced.  
Continuous operating  
temperature max. 130°C.  
Fire protection corresponding  
to UL 94-V0.

### Colour:

RAL 7035 (chassis)

### Note:

OT adaptors may only be used  
with 10 mm thick busbars or  
Rittal PLS 800/1600. Maximum  
support spacing 300 mm.

The technical data given in  
the tables may vary for UL  
applications;  
see page 1235.

Overview of standard commer-  
cially available switchgear  
with allocation of the relevant  
adaptor,  
see page 1243.

Current carrying capacity of the  
supply cables fitted as standard,  
see page 1236.

| Design   | Packs of      | 1               | 2               | 3               | 4               | 5               | 6               | 7               | Page |
|--|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------|
| Construction width (B)                           |               | 45 mm           | 45 mm           | 45 mm           | 55 mm           | 55 mm           | 55 mm           | 55 mm           |      |
| Length   |               | 230 mm          | 230 mm          | 230 mm          | 230 mm          | 230 mm          | 230 mm          | 272 mm          |      |
| Rated current up to                              |               | 25 A            | 25 A            | 25 A            | 32 A            | 65 A            | 65 A            | 65 A            |      |
| Rated operating voltage                          |               | 690 V~          | 690 V~          | 690 V~          | 690 V~          | 690 V~          | 690 V~          | 690 V~          |      |
| Connection cables <sup>1)</sup>                  |               | AWG 12          | AWG 12          | AWG 12          | AWG 10          | AWG 6           | AWG 6           | AWG 6           |      |
| With   | Support frame | –               | 45 x 195 mm     | 45 x 195 mm     | 55 x 195 mm     | –               | 55 x 195 mm     | 55 x 237 mm     |      |
|  | PinBlock      | –               | –               | ■               | –               | –               | –               | –               |      |
| Number of support rails,<br>height 10 mm         |               | 1               | 1               | 1               | 1               | 1               | 1               | 2 <sup>2)</sup> |      |
| Support rail with anti-slip guard <sup>3)</sup>  |               | ■               | ■               | ■               | –               | ■               | ■               | ■               |      |
| For 5/10 mm bar thickness<br><b>Model No. SV</b> | 1             | <b>9341.310</b> | <b>9341.340</b> | <b>9341.370</b> | <b>9341.460</b> | <b>9341.410</b> | <b>9341.430</b> | <b>9341.450</b> |      |

### Also required

|                         |          |
|-------------------------|----------|
| Base tray               | 351, 353 |
| Base tray reinforcement | 351, 353 |

### Accessories

|                            |             |          |          |          |          |          |          |          |         |
|----------------------------|-------------|----------|----------|----------|----------|----------|----------|----------|---------|
| Connection pin             | 20          | 9340.280 | 9340.280 | 9340.280 | 9340.280 | 9340.280 | 9340.280 | 9340.280 | 401     |
| Insert strip 10 mm         | 2           | 9341.290 | 9341.290 | 9341.290 | 9341.290 | 9341.290 | 9341.290 | 9341.290 | 400     |
| OT support                 | 45 x 230 mm | 1        | 9341.260 | 9341.260 | 9341.260 | 9341.260 | 9341.260 | 9341.260 | 369     |
|                            | 55 x 230 mm | 1        | 9341.270 | 9341.270 | 9341.270 | 9341.270 | 9341.270 | 9341.270 | 369     |
| Support frame              |             |          |          |          |          |          |          |          | 401     |
| PinBlock for support frame |             |          |          |          |          |          |          |          | 402     |
| PinBlock Plus              |             |          |          |          |          |          |          |          | 402     |
| Support rails              |             |          |          |          |          |          |          |          | 404/405 |

<sup>1)</sup> AWG = American Wire Gauges  
AWG 12 = 3.31 mm<sup>2</sup> ± 4 mm<sup>2</sup>  
AWG 10 = 5.26 mm<sup>2</sup> ± 6 mm<sup>2</sup>  
AWG 6 = 13.3 mm<sup>2</sup> ± 16 mm<sup>2</sup>

<sup>2)</sup> The lower support rail with special latch is secured from behind with the support frame loosened.

<sup>3)</sup> Anti-slip guard for motor circuit-breaker brands Moeller, Siemens and Telemecanique. Without anti-slip guard for universal applications.

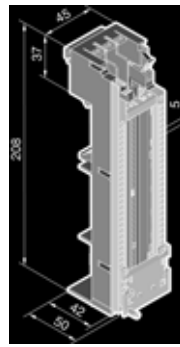
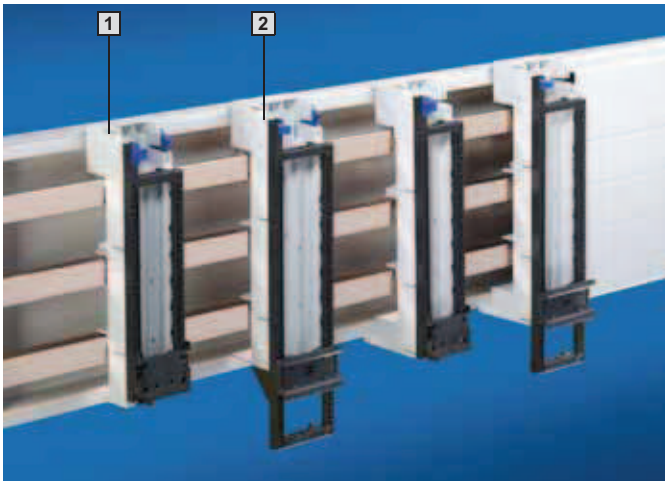
**Busbar systems** Page 350 – 355 **Busbar connection adaptors** Page 356/357 **Connection clamps** Page 358 **OM/OT supports** Page 368/369  
**Component adaptors** Page 359 – 361, 370/371 **Bus-mounting fuse bases** Page 372/373 **NH fused isolators** Page 374  
**NH bus-mounting on-load isolators** Page 375 – 379 **Accessories** Page 400 – 411

B  
2.2

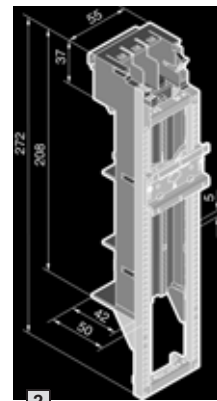
Rittal RiLine60 busbar systems 800/1600 A (60 mm)

# Rittal RiLine60 busbar systems 800/1600 A (60 mm)

## OM supports without contact system (3-pole)



1



2

B  
2.2

Rittal RiLine60 busbar systems 800/1600 A (60 mm)

**Material:**

Polyamide (PA 6.6),  
25 % fibreglass-reinforced.  
Continuous operating  
temperature max. 130°C.  
Fire protection corresponding  
to UL 94-V0.

**Note:**

Suitable for use in UL  
applications.

**Colour:**

RAL 7035 (chassis)

| Design   | Packs of | 1               | 2               | Page |
|--|----------|-----------------|-----------------|------|
| Construction width                               |          | 45 mm           | 55 mm           |      |
| Length   |          | 208 mm          | 272 mm          |      |
| With   |          | 45 x 170 mm     | 55 x 237 mm     |      |
| Support frame                                    |          |                 |                 |      |
| Support frame supports                           |          | –               | ■               |      |
| PinBlock   |          | ■               | –               |      |
| Number of support rails, height 10 mm            |          | –               | 1 <sup>1)</sup> |      |
| For 5/10 mm bar thickness<br><b>Model No. SV</b> | 1        | <b>9340.260</b> | <b>9340.270</b> |      |

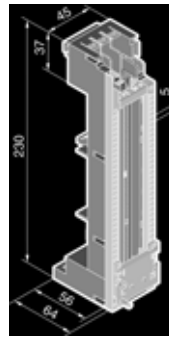
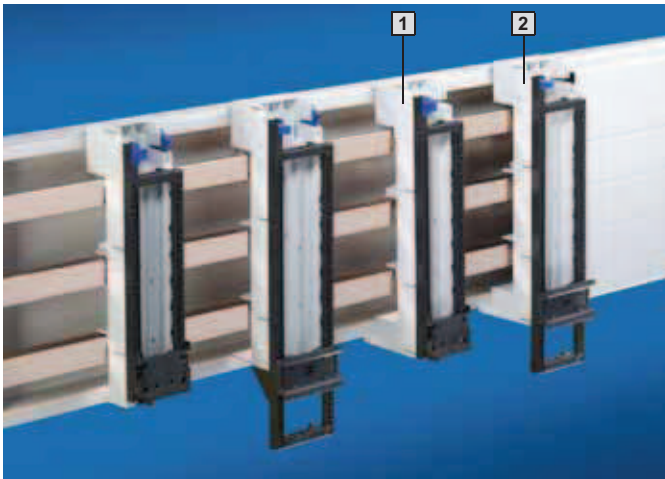
**Accessories**

|                            |    |          |          |         |
|----------------------------|----|----------|----------|---------|
| Connection pin             | 20 | 9340.280 | 9340.280 | 401     |
| Insert strip 10 mm         | 2  | 9340.290 | 9340.290 | 400     |
| Support frame              |    |          |          | 401     |
| PinBlock for support frame |    |          |          | 402     |
| PinBlock Plus              |    |          |          | 402     |
| Support rails              |    |          |          | 404/405 |

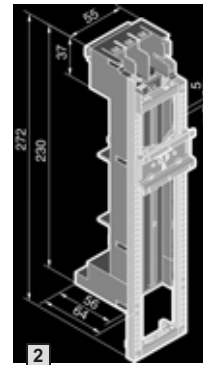
<sup>1)</sup> The support rail with special latch is attached from the rear with the support frame loosened.

# Rittal RiLine60 busbar systems 800/1600 A (60 mm)

## OT supports without contact system (3-pole)



1



2

### Material:

Polyamide (PA 6.6),  
25 % fibreglass-reinforced.  
Continuous operating  
temperature max. 130°C.  
Fire protection corresponding  
to UL 94-V0.

### Colour:

RAL 7035 (chassis)

### Note:

OT supports may only be used  
with 10 mm thick busbars or  
Rittal PLS 800/1600. Maximum  
support spacing 300 mm.

Suitable for use in UL  
applications.

| Design                                | Packs of | 1               | 2               | Page |
|---------------------------------------|----------|-----------------|-----------------|------|
| Construction width                    |          | 45 mm           | 55 mm           |      |
| Length                                |          | 230 mm          | 272 mm          |      |
| With                                  |          |                 |                 |      |
| Support frame                         |          | 45 x 195 mm     | 55 x 237 mm     |      |
| PinBlock                              |          | ■               | –               |      |
| Number of support rails, height 10 mm |          | –               | 1 <sup>1)</sup> |      |
| For 5/10 mm bar thickness             |          |                 |                 |      |
| <b>Model No. SV</b>                   | 1        | <b>9341.260</b> | <b>9341.270</b> |      |

### Also required

|                         |  |  |  |          |
|-------------------------|--|--|--|----------|
| Base tray               |  |  |  | 351, 353 |
| Base tray reinforcement |  |  |  | 351, 353 |

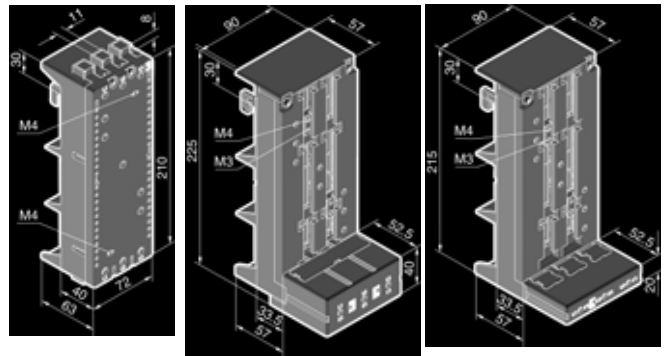
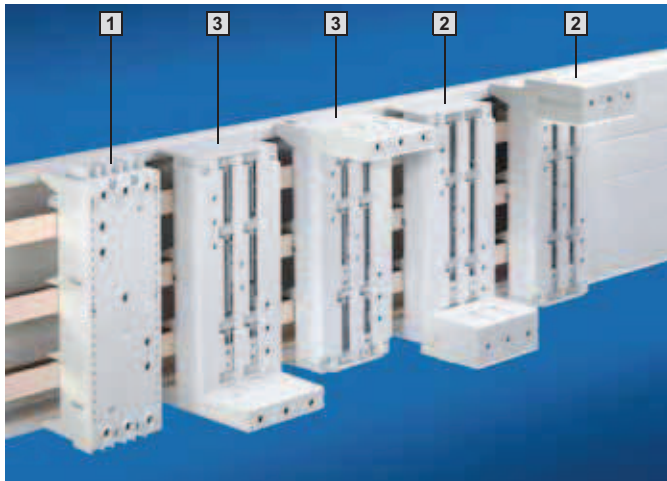
### Accessories

|                            |    |          |          |         |
|----------------------------|----|----------|----------|---------|
| Connection pin             | 20 | 9340.280 | 9340.280 | 401     |
| Insert strip 10 mm         | 2  | 9341.290 | 9341.290 | 400     |
| Support frame              |    |          |          | 401     |
| PinBlock for support frame |    |          |          | 402     |
| PinBlock Plus              |    |          |          | 402     |
| Support rails              |    |          |          | 404/405 |

<sup>1)</sup>The support rail with special latch is attached from the rear with the support frame loosened.

# Rittal RiLine60 busbar systems 800/1600 A (60 mm)

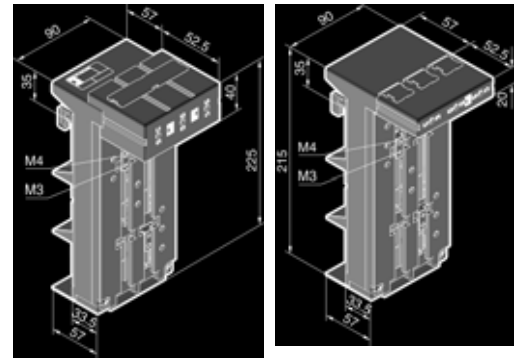
## Component adaptors 100 A/circuit-breaker component adaptors 125 A, 160 A (3-pole)



1 SV 9342.400/  
SV 9342.410

2 SV 9342.540

3 SV 9342.500



2 SV 9342.550

3 SV 9342.510

### Material:

Polyamide (PA 6.6),  
25 % fibreglass-reinforced.  
Continuous operating  
temperature max. 130°C.  
Fire protection corresponding  
to UL 94-V0.

### Colour:

RAL 7035

### Supply includes

#### Circuit-breaker component adaptor:

Terminal cover and sliding  
blocks for switchgear  
attachment.

#### Note:

The technical data given in  
the tables may vary for UL  
applications;  
see page 1235.

| Design   | Packs of         | 1 Component adaptor     | 2 Circuit-breaker component adaptor | 3 Circuit-breaker component adaptor | Page |
|--|------------------|-------------------------|-------------------------------------|-------------------------------------|------|
| Construction width                                       |                  | 72 mm                   | 90 mm                               | 90 mm                               |      |
| Length   |                  | 210 mm                  | 225 mm                              | 215 mm                              |      |
| Rated current up to                                      |                  | 100 A                   | 125 A                               | 160 A                               |      |
| Rated operating voltage                                  |                  | 690 V~                  | 690 V~                              |                                     |      |
| Connection clamp   |                  | Box terminal            | Box terminal                        |                                     |      |
| Connection of round conductors                           |                  | 10 – 35 mm <sup>2</sup> | 35 – 120 mm <sup>2</sup>            |                                     |      |
| Clamping area for laminated copper bars                  |                  | 10 x 7.8 mm             | 18.5 x 15.5 mm                      |                                     |      |
| Tightening torque  |                  |                         |                                     |                                     |      |
| • Terminal screw   |                  | 2 – 3 Nm                | 8 – 10 Nm                           |                                     |      |
| • Bar attachment   |                  | 2 Nm                    | 4 – 6 Nm                            |                                     |      |
| For switchgear make/model                                | ABB              | MS 497                  | S2, T1, T2                          |                                     |      |
|  | GE               | –                       | FD                                  |                                     |      |
|  | Merlin Gerin     | –                       | NS80, NSC100                        |                                     |      |
|  | Moeller Electric | PKZ2 <sup>1)</sup>      | NZM1                                |                                     |      |
|  | Siemens          | S3                      | –                                   |                                     |      |
|  | Telemecanique    | GV3 <sup>1)</sup>       | –                                   |                                     |      |
| Universal application                                    | ■ <sup>1)</sup>  | –                       |                                     |                                     |      |
| For bar thickness  |                  | 5/10 mm                 | 5/10 mm                             |                                     |      |
| Cable outlet at the top <sup>2)</sup><br>Model No. SV    | 1                | 9342.400                | 9342.540                            | 9342.500 <sup>3)</sup>              |      |
| Cable outlet at the bottom <sup>2)</sup><br>Model No. SV | 1                | 9342.410                | 9342.550                            | 9342.510 <sup>3)</sup>              |      |

### Accessories

|   |   |          |          |          |     |
|---|---|----------|----------|----------|-----|
| Support rail<br>Width 72 mm, height 15 mm | 5 | 9320.120 | –        | –        | 405 |
| Sliding block                             | 6 | –        | 9342.560 | 9342.560 | 401 |
| Connection bracket                        |   | –        | ■        | ■        | 403 |

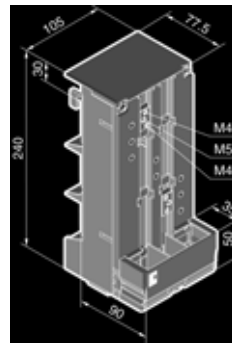
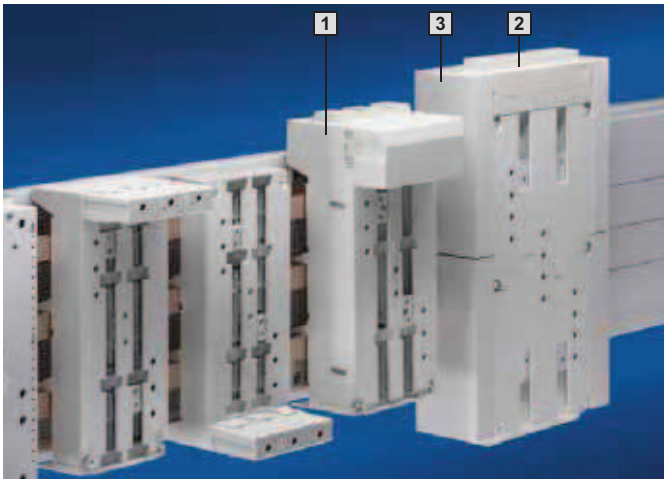
<sup>1)</sup> Mounting only possible with support rail SV 9320.120.

<sup>2)</sup> Switch outlet or outgoing cable.

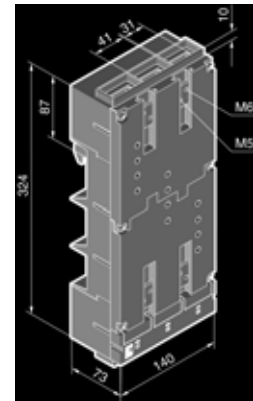
<sup>3)</sup> Not suitable for UL applications.

# Rittal RiLine60 busbar systems 800/1600 A (60 mm)

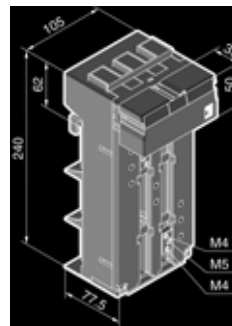
## Circuit-breaker component adaptors 250 A/630 A (3-pole)



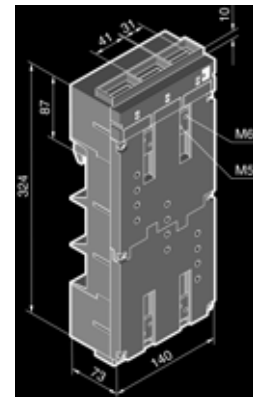
1 SV 9342.600



2 SV 9342.700



1 SV 9342.610



2 SV 9342.710

### Material:

Polyamide (PA 6.6),  
25 % fibreglass-reinforced.  
Continuous operating  
temperature max. 130°C.  
Fire protection corresponding  
to UL 94-V0.

### Colour:

RAL 7035

### Supply includes:

Terminal cover and sliding  
blocks for switchgear  
attachment.

### Note:

The technical data given in  
the tables may vary for UL  
applications;  
see page 1235.

| Design  | Packs of         | 1                        | 2                                      | Page |
|---|------------------|--------------------------|--|------|
| Construction width  |                  | 105 mm                   | 140 mm                                 |      |
| Length  |                  | 240 mm                   | 324 mm                                 |      |
| Rated current up to   |                  | 250 A                    | 630 A <sup>2)</sup>                    |      |
| Rated operating voltage   |                  | 690 V~                   | 690 V~                                 |      |
| Connection clamp  |                  | Box terminal             | Screw terminal M10                     |      |
| Connection of round conductors                                  |                  | 35 – 120 mm <sup>2</sup> | max. 150 mm <sup>2</sup> <sup>3)</sup> |      |
| Clamping area for laminated copper bars                         |                  | 18.5 x 15.5 mm           | 32 x 10 mm                             |      |
| Tightening torque   |                  |                          |  |      |
| ● Terminal screw  |                  | 8 – 10 Nm                | 30 – 32 Nm                             |      |
| ● Bar attachment  |                  | 4 – 6 Nm                 | 12 – 14 Nm                             |      |
| For switchgear<br>make/model                                    | ABB              | S3, T3, T4               | S5, T5                                 |      |
|   | GE               | FE                       | –                                      |      |
|   | Merlin Gerin     | NS100, NS160, NS250      | NS400, NS630                           |      |
|   | Moeller Electric | NZM2                     | NZM3                                   |      |
|   | Siemens          | VL160X, VL160, VL250     | VL400, VL630 <sup>4)</sup>             |      |
| Telemecanique   | GV7              | –                        |  |      |
| For bar thickness   |                  | 5/10 mm                  | 5/10 mm                                |      |
| Cable outlet at the top <sup>1)</sup><br><b>Model No. SV</b>    | 1                | <b>9342.600</b>          | <b>9342.700</b>                        |      |
| Cable outlet at the bottom <sup>1)</sup><br><b>Model No. SV</b> | 1                | <b>9342.610</b>          | <b>9342.710</b>                        |      |

### Accessories

| Accessories  | Packs of     | 1        | 2        | Page |
|--|--------------|----------|----------|------|
| 3 Insert strip 25 mm<br>to extend the construction width from 140 mm to 190 mm | 4<br>(1 set) | –        | 9342.720 | 400  |
| Sliding block  | 6            | 9342.640 | –        | 401  |
| Connection bracket   |              | ■        | ■        | 403  |

<sup>1)</sup> Switch outlet or outgoing cable.

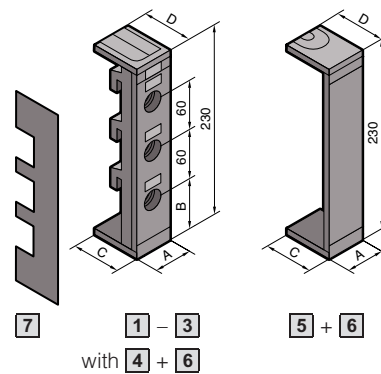
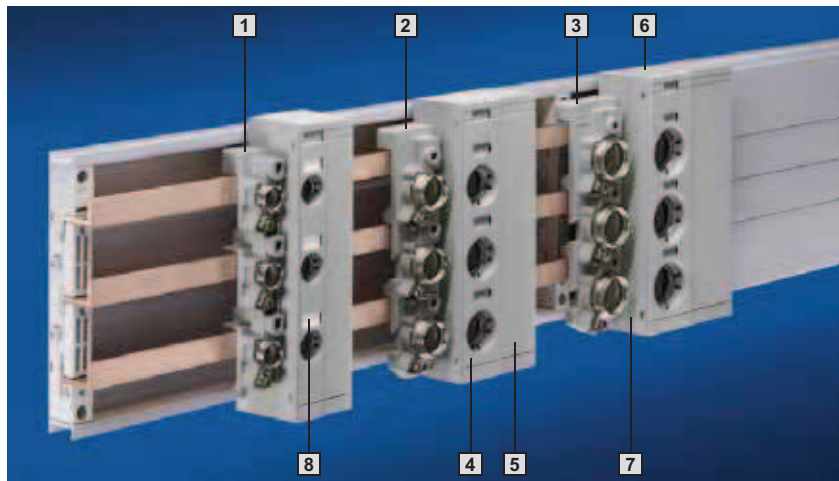
<sup>2)</sup> Derating may be necessary, depending on the application.

<sup>3)</sup> With ring terminal.

<sup>4)</sup> Also required: Insert strip 25 mm (SV 9342.720).

# Rittal RiLine60 busbar systems 800/1600 A (60 mm)

## Bus-mounting fuse bases (3-pole)



B  
2.2

Rittal RiLine60 busbar systems 800/1600 A (60 mm)

### Material:

Bus-mounting fuse base:  
Fibreglass-reinforced,  
thermoplastic polyester (PBT).  
Continuous operating  
temperature max. 140°C.  
Fire protection corresponding  
to UL 94-V0.

### Colour:

RAL 7035

### Contact hazard protection cover:

Polyamide (PA 6.6).  
Continuous operating  
temperature max. 105°C.  
Fire protection corresponding  
to UL 94-V0.

| For clamping screw attachment               | Packs of | 1                          | 2                         | 3                          |
|---|----------|----------------------------|---------------------------|----------------------------|
| Type  |          | D 02-E 18 (adaptor sleeve) | D II-E 27 (adaptor screw) | D III-E 33 (adaptor screw) |
| Width (A)                                   |          | 27 mm                      | 42 mm                     | 57 mm                      |
| Rated current                               |          | 63 A                       | 25 A                      | 63 A                       |
| Rated operating voltage                     |          | 400 V~                     | 500 V~                    | 690 V~                     |
| Terminal for round conductors <sup>1)</sup> |          | 1.5 – 16 mm <sup>2</sup>   | 1.5 – 16 mm <sup>2</sup>  | 1.5 – 16 mm <sup>2</sup>   |
| Tightening torque                           |          |                            |                           |                            |
| ● Assembly screw                            |          | 2 Nm                       | 2 Nm                      | 2 Nm                       |
| ● Terminal screw                            |          | 2.5 Nm                     | 2.5 Nm                    | 2.5 Nm                     |
| For 5/10 mm bar thickness                   | 10       | <b>3418.000</b>            | <b>3427.000</b>           | <b>3433.000</b>            |

### Accessories

|   |                   |                 |                 |                 |
|---|-------------------|-----------------|-----------------|-----------------|
| 4 Contact hazard protection cover<br>Model No. SV             | 10                | <b>3419.000</b> | <b>3428.000</b> | <b>3434.000</b> |
| 5 Extension cover<br>Model No. SV                             | 10                | <b>3421.000</b> | <b>3430.000</b> | <b>3436.000</b> |
| 6 End caps<br>for rail system with base tray<br>Model No. SV  | 10                | <b>3420.010</b> | <b>3429.010</b> | <b>3435.010</b> |
| End caps<br>for rail system without base tray<br>Model No. SV | 10                | <b>3420.000</b> | <b>3429.000</b> | <b>3435.000</b> |
| 7 Side cover<br>Model No. SV                                  | 10                | <b>3093.000</b> | <b>3093.000</b> | <b>3093.000</b> |
| 8 Identification labels<br>Model No. SV                       | 100               | <b>9320.080</b> | <b>9320.080</b> | <b>9320.080</b> |
| Width (A) mm  |                   | 27              | 42              | 57              |
| Spacing (B) mm  |                   | 57              | 40              | 40              |
| Depth (C) mm <sup>2)</sup>                                    |                   | 67              | 71.5            | 71.5            |
| Depth (D) mm <sup>3)</sup>                                    | with base tray    | 47              | 51.5            | 51.5            |
| for rail system   | without base tray | 67              | 71.5            | 71.5            |

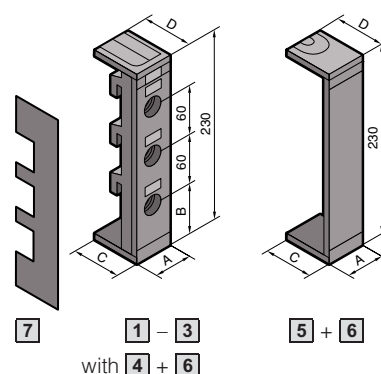
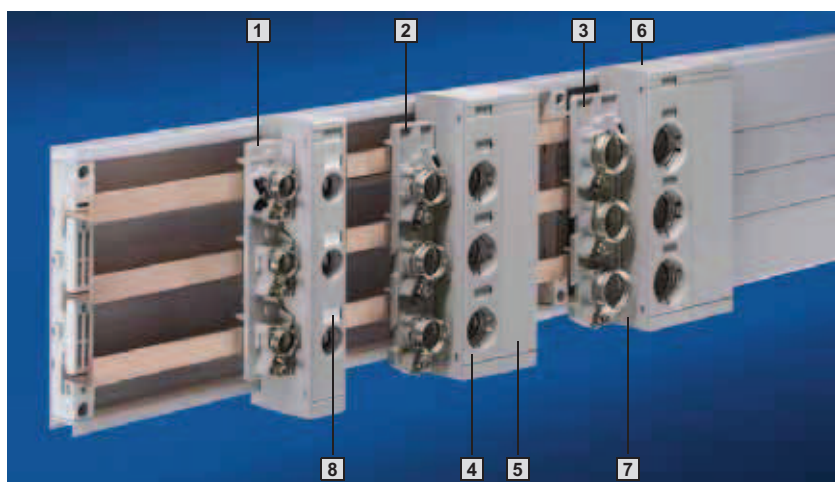
<sup>1)</sup> Wire end ferrules should be used with fine wire conductors.

<sup>2)</sup> Bottom end cap

<sup>3)</sup> Top end cap

# Rittal RiLine60 busbar systems 800/1600 A (60 mm)

## Bus-mounting fuse bases (3-pole)



### Material:

Bus-mounting fuse base:  
Fibreglass-reinforced,  
thermoplastic polyester (PBT).  
Continuous operating  
temperature max. 140°C.  
Fire protection corresponding  
to UL 94-V0.

### Colour:

RAL 7035

### Contact hazard protection cover:

Polyamide (PA 6.6).  
Continuous operating  
temperature: max. 105°C.  
Fire protection corresponding  
to UL 94-V0.

| For snap-on mounting                        | Packs of | [1]                        | [2]                      | [3]                      |
|---|----------|----------------------------|--------------------------|--------------------------|
| Type  |          | D 02-E 18 (adaptor sleeve) | D II-E 27 (gauge ring)   | D III-E 33 (gauge ring)  |
| Width (A)                                   |          | 36 mm                      | 42 mm                    | 57 mm                    |
| Rated current                               |          | 63 A                       | 25 A                     | 63 A                     |
| Rated operating voltage                     |          | 400 V~                     | 500 V~                   | 690 V~                   |
| Terminal for round conductors <sup>1)</sup> |          | 1.5 – 16 mm <sup>2</sup>   | 1.5 – 16 mm <sup>2</sup> | 1.5 – 16 mm <sup>2</sup> |
| Tightening torque                           |          |                            |                          |                          |
| • Terminal screw                            |          | 2.5 Nm                     | 2.5 Nm                   | 2.5 Nm                   |
| For 5 mm bar thickness                      |          |                            |                          |                          |
| Model No. SV                                | 10       | 3422.000                   | 3520.000                 | 3530.000                 |
| For 10 mm bar thickness                     |          |                            |                          |                          |
| Model No. SV                                | 10       | 3423.000                   | 3521.000                 | 3531.000                 |

| Accessories                         |     |          |          |          |
|-------------------------------------|-----|----------|----------|----------|
| [4] Contact hazard protection cover | 10  | 3424.000 | 3428.000 | 3434.000 |
| Model No. SV                        |     |          |          |          |
| [5] Extension cover                 | 10  | –        | 3430.000 | 3436.000 |
| Model No. SV                        |     |          |          |          |
| [6] End caps                        | 10  | 3425.010 | 3429.010 | 3435.010 |
| for rail system with base tray      |     |          |          |          |
| Model No. SV                        |     |          |          |          |
| [6] End caps                        | 10  | 3425.000 | 3429.000 | 3435.000 |
| for rail system without base tray   |     |          |          |          |
| Model No. SV                        |     |          |          |          |
| [7] Side cover                      | 10  | 3093.000 | 3093.000 | 3093.000 |
| Model No. SV                        |     |          |          |          |
| [8] Identification labels           | 100 | 9320.080 | 9320.080 | 9320.080 |
| Model No. SV                        |     |          |          |          |
| Width (A) mm                        |     | 36       | 42       | 57       |
| Spacing (B) mm                      |     | 57       | 40       | 40       |
| Depth (C) mm <sup>2)</sup>          |     | 67       | 71.5     | 71.5     |
| Depth (D) mm <sup>3)</sup>          |     |          |          |          |
| for rail system                     |     |          |          |          |
| with base tray                      |     | 47       | 51.5     | 51.5     |
| without base tray                   |     | 67       | 71.5     | 71.5     |

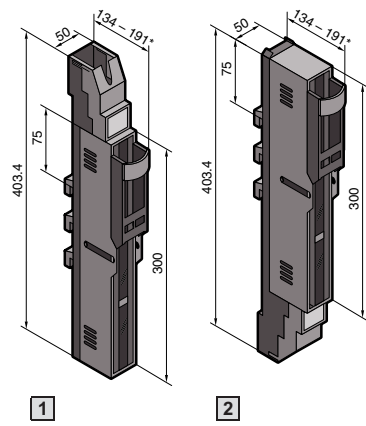
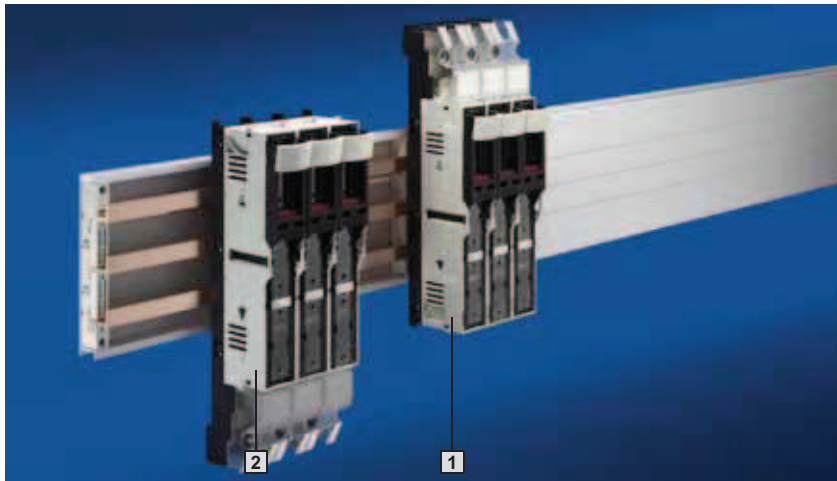
<sup>1)</sup> Wire end ferrules should be used with fine wire conductors.

<sup>2)</sup> Bottom end cap

<sup>3)</sup> Top end cap

# Rittal RiLine60 busbar systems 800/1600 A (60 mm)

## NH fused isolators, size 00 (3-pole)



\* Off-load position

2.2

Rittal RiLine60 busbar systems 800/1600 A (60 mm)

### Material:

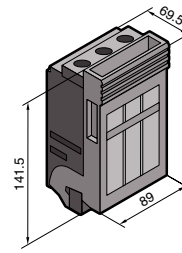
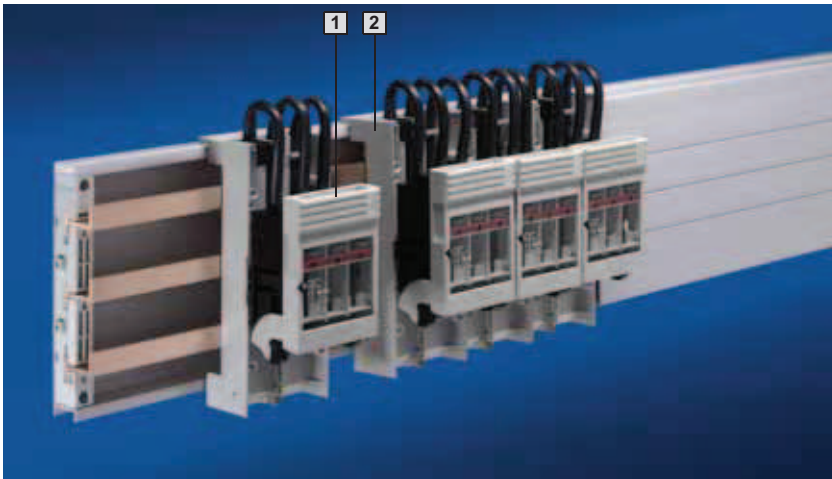
Cover, strip chassis:  
Fibreglass-reinforced polyamide  
Contact tracks:  
Silver-plated hard copper

### Technical information, see page 1244.

| Design                         | Packs of | 1               | 2               | Page |
|--------------------------------|----------|-----------------|-----------------|------|
| Size                           |          | Size 00         | Size 00         |      |
| Rated current                  |          | 160 A           | 160 A           |      |
| Rated operating voltage        |          | 690 V~          | 690 V~          |      |
| Cable outlet                   |          | top             | bottom          |      |
| Type of connection             |          | Screw M8        | Screw M8        |      |
| Tightening torque              |          | 6 Nm            | 6 Nm            |      |
| ● Assembly screw               |          | 14 Nm           | 14 Nm           |      |
| ● Terminal screw               |          |                 |                 |      |
| For bar thickness              |          | 5/10 mm         | 5/10 mm         |      |
| <b>Model No. SV</b>            | 1        | <b>3591.020</b> | <b>3591.030</b> |      |
| <b>Accessories</b>             |          |                 |                 |      |
| Side panel                     | 2        | 9341.230        | 9341.230        | 405  |
| Identification label support   | 6        | 3595.010        | 3595.010        | 406  |
| Micro-switch                   | 5        | 3071.000        | 3071.000        | 406  |
| Lug terminal connection parts  | 1 set    | 3592.020        | 3592.020        | 407  |
| Clamp-type terminal connection | 1 set    | 3592.010        | 3592.010        | 407  |

# Rittal RiLine60 busbar systems 800/1600 A (60 mm)

## NH on-load isolators, size 000 (3-pole)



### Material:

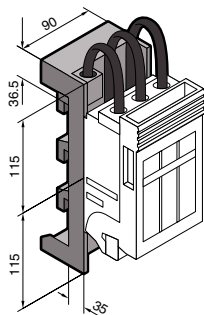
Chassis, lid, contact hazard protection:  
Fibreglass-reinforced polyamide  
Contact tracks:  
Silver-plated hard copper

### Technical information,

see page 1246.

| Size                                    | Packs of | Size 000                       | Page |
|---|----------|--------------------------------|------|
| Rated current                           |          | 100 A<br>(160 A) <sup>1)</sup> |      |
| Rated operating voltage                 |          | 690 V~                         |      |
| Cable outlet                            |          | top/bottom                     |      |
| Type of connection                      |          | Terminal                       |      |
| Connection of round conductors          |          | 1.5 – 50 mm <sup>2</sup>       |      |
| Clamping area for laminated copper bars |          | 10 x 10 mm                     |      |
| Tightening torque                       |          | 3 Nm                           |      |
| ● Terminal screw                        |          |                                |      |
| <b>1 Model No. SV</b>                   | 1        | <b>3431.000</b>                |      |
| <b>Also required</b>                    |          |                                |      |
| Busbar adaptor                          |          | see below                      |      |
| <b>Accessories</b>                      |          |                                |      |
| Micro-switch                            | 5        | 3071.000                       | 406  |

<sup>1)</sup> 160 A at 95 mm<sup>2</sup> connection cross-section (95 mm<sup>2</sup> connector pieces available on request).



### 2 Busbar adaptor

For mounting SV 3431.000 on 60 mm busbar systems.

#### Material:

Fibreglass-reinforced, thermoplastic polyester (PBT).  
Continuous operating temperature: max. 140°C.  
Fire protection corresponding to UL 94-V0.

#### Colour:

RAL 7035

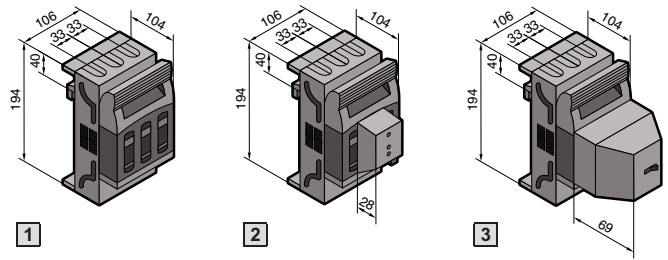
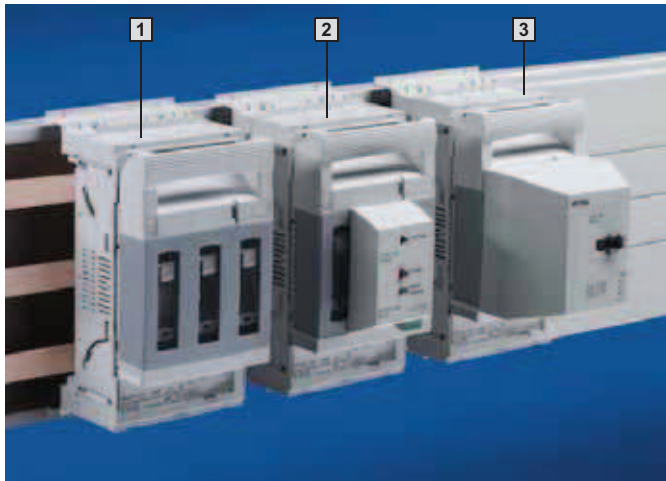
#### Supply includes:

35 mm<sup>2</sup> connection cables fitted as standard.

| For bar thickness mm | Packs of | Model No. SV    |
|----------------------|----------|-----------------|
| 5                    | 1        | <b>9320.040</b> |
| 10                   | 1        | <b>9320.050</b> |

# Rittal RiLine60 busbar systems 800/1600 A (60 mm)

## NH bus-mounting on-load isolators, size 00 (3-pole)



B  
2.2

Rittal RiLine60 busbar systems 800/1600 A (60 mm)

### Material:

Chassis, lid, contact hazard protection: Polyamide PA6  
Contact tracks: Electrolytic copper, silver-plated

### Supply includes:

Top and bottom covers.

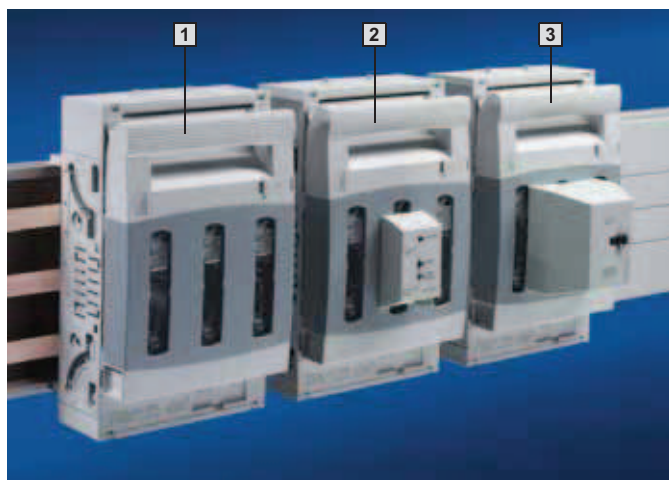
**Technical information,** see page 1244 – 1246.

| Size   | Packs of | Size 00                     |                          | Page |
|--|----------|-----------------------------|--------------------------|------|
| Rated current  |          | 160 A                       |                          |      |
| Rated operating voltage  |          | 690 V~/500 V~ <sup>1)</sup> |                          |      |
| Cable outlet   |          | top/bottom                  |                          |      |
| Type of connection   |          | Box terminal                | Screw M8                 |      |
| Connection of round conductors   |          | 4 – 95 mm <sup>2</sup>      | up to 95 mm <sup>2</sup> |      |
| Clamping area for laminated copper bars                                      |          | 13 x 13 mm                  | 20 x 5 mm                |      |
| Tightening torque  |          |                             |                          |      |
| ● Assembly screw   |          | 6 Nm                        | 6 Nm                     |      |
| ● Terminal screw   |          | 4.5 Nm                      | 12 Nm                    |      |
| For bar thickness  |          | 5/10 mm                     | 5/10 mm                  |      |
| <b>1 Model No. SV</b>  | 1        | <b>9343.000</b>             | <b>9343.010</b>          |      |
| <b>2 with electronic fuse monitoring<sup>1)</sup></b><br><b>Model No. SV</b> | 1        | <b>9343.020</b>             | <b>9343.030</b>          |      |
| <b>3 with electromechanical fuse monitoring</b><br><b>Model No. SV</b>       | 1        | <b>9343.040</b>             | <b>9343.050</b>          |      |
| <b>Accessories</b>   |          |                             |                          |      |
| Micro-switch   | 5        | 3071.000                    | 3071.000                 | 406  |
| Connection space cover   | 2        | 9344.520                    | 9344.520                 | 406  |
| Prism terminal   | 3        | –                           | 9344.600                 | 407  |
| Laminated copper bars  |          | ■                           | ■                        | 411  |

<sup>1)</sup> Rated operating voltage 400 V~ to 500 V~ for NH isolators with electronic fuse monitoring.

# Rittal RiLine60 busbar systems 800/1600 A (60 mm)

## NH bus-mounting on-load isolators, size 1 (3-pole)



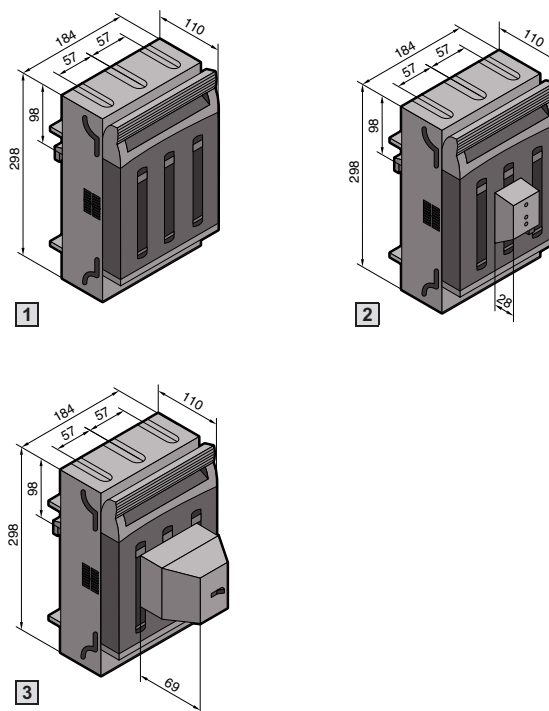
### Material:

Chassis, lid, contact hazard protection: Polyamide PA6  
Contact tracks:  
Electrolytic copper, silver-plated

### Supply includes:

Top and bottom covers.

**Technical information,**  
see page 1244 – 1246.



B  
2.2

Rittal RiLine60 busbar systems 800/1600 A (60 mm)

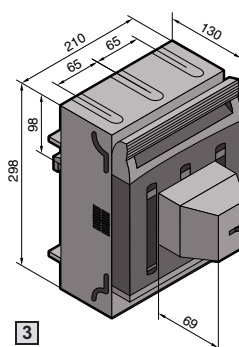
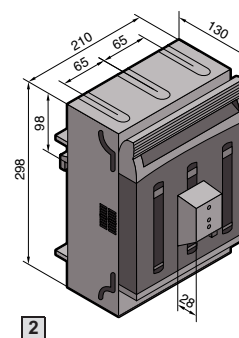
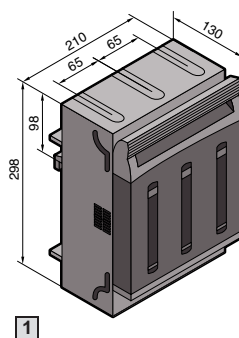
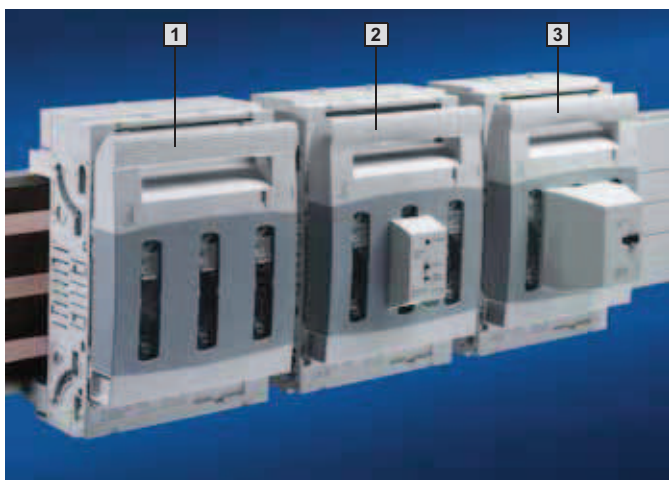
| Size   | Packs of | Size 1                                 |                           | Page |
|--|----------|--|---------------------------|------|
| Rated current  |          | 250 A                                  |                           |      |
| Rated operating voltage  |          | 690 V~/500 V~ <sup>1)</sup>            |                           |      |
| Cable outlet   |          | top/bottom                             |                           |      |
| Type of connection   |          | Box terminal                           | Screw M10                 |      |
| Connection of round conductors   |          | 35 – 150 mm <sup>2</sup> <sup>2)</sup> | up to 150 mm <sup>2</sup> |      |
| Clamping area for laminated copper bars                                |          | 20 x 14 mm                             | 32 x 10 mm                |      |
| Tightening torque  |          |  |                           |      |
| ● Assembly screw   |          | 6 Nm                                   | 6 Nm                      |      |
| ● Terminal screw   |          | 12 Nm                                  | 20 Nm                     |      |
| For bar thickness  |          | 5/10 mm                                | 5/10 mm                   |      |
| <b>1</b> Model No. SV  | 1        | <b>9343.100</b>                        | <b>9343.110</b>           |      |
| <b>2</b> with electronic fuse monitoring <sup>1)</sup><br>Model No. SV | 1        | <b>9343.120</b>                        | <b>9343.130</b>           |      |
| <b>3</b> with electromechanical fuse monitoring<br>Model No. SV        | 1        | <b>9343.140</b>                        | <b>9343.150</b>           |      |
| <b>Accessories</b>   |          |  |                           |      |
| Micro-switch   | 2        | 9344.510                               | 9344.510                  | 406  |
| Connection space cover   | 2        | 9344.530                               | 9344.530                  | 406  |
| Box terminal   | 3        | –                                      | 9344.610                  | 407  |
| Arcing chamber   | 3        | 9344.680                               | 9344.680                  | 407  |
| Laminated copper bars  |          | ■                                      | ■                         | 411  |

<sup>1)</sup> Rated operating voltage 400 V~ to 500 V~ for NH isolators with electronic fuse monitoring.

<sup>2)</sup> Connection of sector-shaped conductors 50 – 150 mm<sup>2</sup>.

# Rittal RiLine60 busbar systems 800/1600 A (60 mm)

## NH bus-mounting on-load isolators, size 2 (3-pole)



B  
2.2

Rittal RiLine60 busbar systems 800/1600 A (60 mm)

### Material:

Chassis, lid, contact hazard protection: Polyamide PA6  
Contact tracks:  
Electrolytic copper, silver-plated

### Supply includes:

Top and bottom covers.

**Technical information,**  
see page 1244 – 1246.

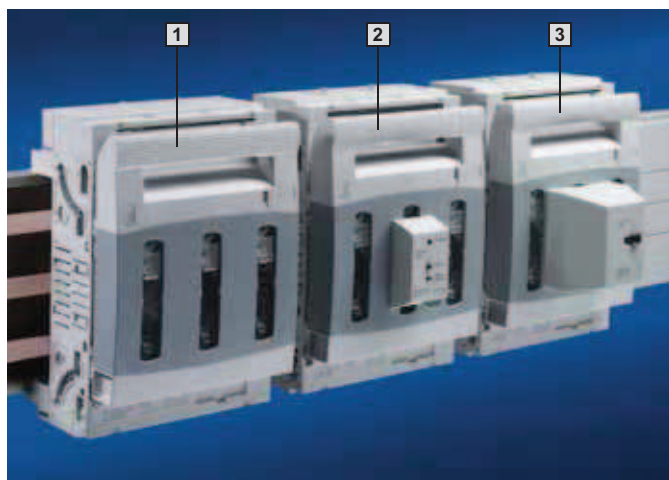
| Size   | Packs of | Size 2                                 |                           | Page |
|--|----------|--|---------------------------|------|
| Rated current  |          | 400 A                                  |                           |      |
| Rated operating voltage  |          | 690 V~/500 V~ <sup>1)</sup>            |                           |      |
| Cable outlet   |          | top/bottom                             |                           |      |
| Type of connection   |          | Box terminal                           | Screw M10                 |      |
| Connection of round conductors   |          | 95 – 300 mm <sup>2</sup> <sup>2)</sup> | up to 240 mm <sup>2</sup> |      |
| Clamping area for laminated copper bars                                |          | 32 x 20 mm                             | 50 x 10 mm                |      |
| Tightening torque  |          | 8 Nm                                   | 8 Nm                      |      |
| ● Assembly screw   |          | 20 Nm                                  | 20 Nm                     |      |
| ● Terminal screw   |          |  |                           |      |
| For bar thickness  |          | 5/10 mm                                | 5/10 mm                   |      |
| <b>1</b> Model No. SV  | 1        | <b>9343.200</b>                        | <b>9343.210</b>           |      |
| <b>2</b> with electronic fuse monitoring <sup>1)</sup><br>Model No. SV | 1        | <b>9343.220</b>                        | <b>9343.230</b>           |      |
| <b>3</b> with electromechanical fuse monitoring<br>Model No. SV        | 1        | <b>9343.240</b>                        | <b>9343.250</b>           |      |
| <b>Accessories</b>   |          |  |                           |      |
| Micro-switch   | 2        | 9344.510                               | 9344.510                  | 406  |
| Connection space cover   | 2        | 9344.540                               | 9344.540                  | 406  |
| Box terminal   | 3        | –                                      | 9344.620                  | 407  |
| Arcing chamber   | 3        | 9344.680                               | 9344.680                  | 407  |
| Laminated copper bars  |          | ■                                      | ■                         | 411  |

<sup>1)</sup> Rated operating voltage 400 V~ to 500 V~ for NH isolators with electronic fuse monitoring.

<sup>2)</sup> Connection of sector-shaped conductors 120 – 300 mm<sup>2</sup>.

# Rittal RiLine60 busbar systems 800/1600 A (60 mm)

## NH bus-mounting on-load isolators, size 3 (3-pole)



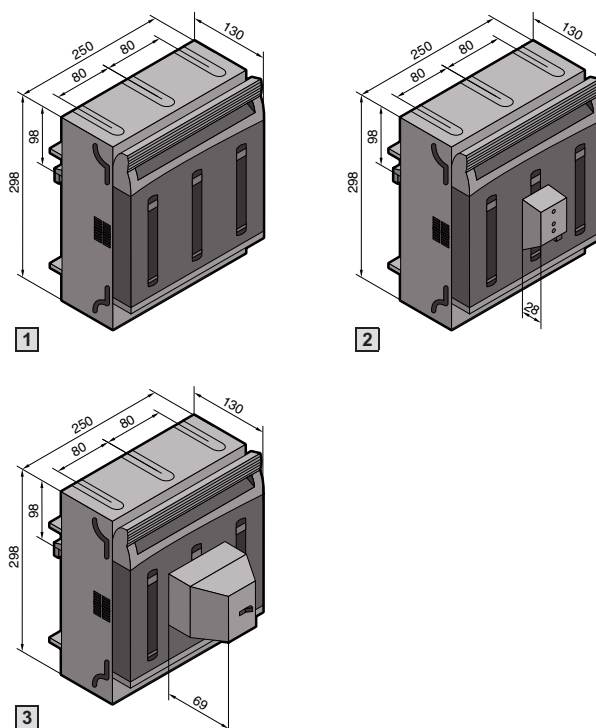
### Material:

Chassis, lid, contact hazard protection: Polyamide PA6  
Contact tracks: Electrolytic copper, silver-plated

### Supply includes:

Top and bottom covers.

**Technical information,** see page 1244 – 1246.



B  
2.2

Rittal RiLine60 busbar systems 800/1600 A (60 mm)

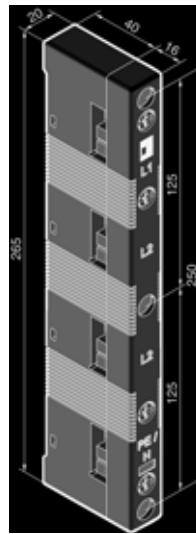
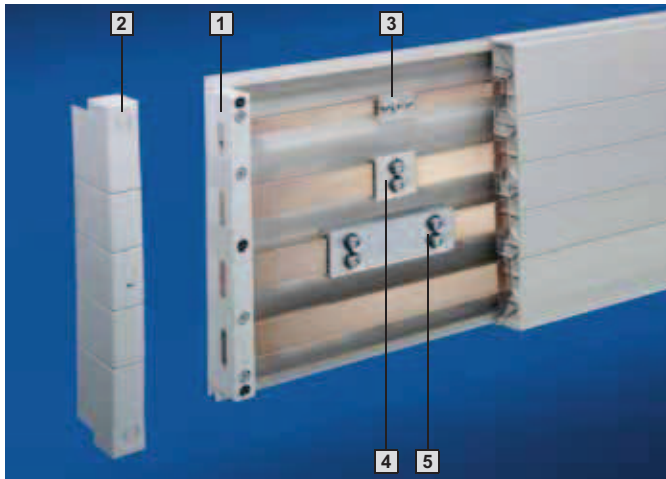
| Size   | Packs of | Size 3                                 |                           | Page |
|--|----------|--|---------------------------|------|
| Rated current  |          | 630 A                                  |                           |      |
| Rated operating voltage  |          | 690 V~/500 V~ <sup>1)</sup>            |                           |      |
| Cable outlet   |          | top/bottom                             |                           |      |
| Type of connection   |          | Box terminal                           | Screw M10                 |      |
| Connection of round conductors   |          | 95 – 300 mm <sup>2</sup> <sup>2)</sup> | up to 300 mm <sup>2</sup> |      |
| Clamping area for laminated copper bars                                      |          | 32 x 20 mm                             | 50 x 10 mm                |      |
| Tightening torque  |          |  |                           |      |
| ● Assembly screw   |          | 8 Nm                                   | 8 Nm                      |      |
| ● Terminal screw   |          | 20 Nm                                  | 20 Nm                     |      |
| For bar thickness  |          | 5/10 mm                                | 5/10 mm                   |      |
| <b>1 Model No. SV</b>  | 1        | <b>9343.300</b>                        | <b>9343.310</b>           |      |
| <b>2 with electronic fuse monitoring<sup>1)</sup></b><br><b>Model No. SV</b> | 1        | <b>9343.320</b>                        | <b>9343.330</b>           |      |
| <b>3 with electromechanical fuse monitoring</b><br><b>Model No. SV</b>       | 1        | <b>9343.340</b>                        | <b>9343.350</b>           |      |
| <b>Accessories</b>   |          |  |                           |      |
| Micro-switch   | 2        | 9344.510                               | 9344.510                  | 406  |
| Connection space cover   | 2        | 9344.550                               | 9344.550                  | 406  |
| Box terminal   | 3        | –                                      | 9344.620                  | 407  |
| Arcing chamber   | 3        | 9344.680                               | 9344.680                  | 407  |
| Laminated copper bars  |          | ■                                      | ■                         | 411  |

<sup>1)</sup> Rated operating voltage 400 V~ to 500 V~ for NH isolators with electronic fuse monitoring.

<sup>2)</sup> Connection of sector-shaped conductors 120 – 300 mm<sup>2</sup>.

# Rittal RiLine60 busbar systems 800 A (60 mm)

## Busbar supports (4-pole)



**Material:**  
Polyamide (PA 6.6),  
25 % fibreglass-reinforced.  
Continuous operating  
temperature max. 130°C.  
Fire protection corresponding  
to UL 94-V0.

**Colour:**  
RAL 7035

**Short-circuit protection  
diagram,**  
see page 1231.

**Technical information**  
for the calculation of rated  
currents,  
see page 1247.

**1** With attachment holes on the  
inside

| Design                     | Packs of | <b>1</b>   | Page |
|----------------------------|----------|--|------|
| Number of poles            |          | 4-pole   |      |
| Bar centre distance        |          | 60 mm  |      |
| For busbars E-Cu           |          | 12 x 5/10 mm <sup>1)</sup> , 15 x 5 – 30 x 10 mm |      |
| Tightening torque          |          | 3 – 5 Nm   |      |
| • Assembly screw (M5 x 25) |          | 1 – 3 Nm   |      |
| • Cover attachment         |          |  |      |
| <b>Model No. SV</b>        | 4        | <b>9340.004</b>                                  |      |

### Accessories

|  |    |                 |     |
|--|----|-----------------|-----|
| <b>2</b> End covers for contact hazard protection on the sides | 2  | <b>9340.074</b> |     |
| Spacers for SV 9340.004  | 12 | <b>9340.090</b> | 400 |

<sup>1)</sup> If 12 x 5/10 mm busbars are used, the spacer SV 9340.090 is additionally required.

## Busbars E-Cu

To DIN EN 13 601.  
Length: 2400 mm/bar.

| Dimensions<br>mm      | Packs of | <b>Model No. SV</b>          | Page |
|-----------------------|----------|------------------------------|------|
| 12 x 5                | 6        | <b>3580.000</b>              |      |
| 12 x 10               | 6        | <b>3580.100</b>              |      |
| 15 x 5                | 6        | <b>3581.000</b>              |      |
| 15 x 10               | 6        | <b>3581.100</b>              |      |
| 20 x 5                | 6        | <b>3582.000</b>              |      |
| 20 x 10               | 6        | <b>3585.000</b>              |      |
| 25 x 5                | 6        | <b>3583.000</b>              |      |
| 30 x 5 <sup>1)</sup>  | 6        | <b>3584.000<sup>2)</sup></b> |      |
| 30 x 10 <sup>1)</sup> | 6        | <b>3586.000<sup>2)</sup></b> |      |

### Accessories

|   |    |          |     |
|---|----|----------|-----|
| Busbar cover section (length 1 m/each)                        | 10 | 3092.000 | 408 |
| Busbar connector for E-Cu                                     |    |          |     |
| <b>3</b> 12 x 5 – 15 x 10 mm (single connection)              | 3  | 9350.075 | 410 |
| <b>4</b> 20 x 5 – 30 x 10 mm (single connection)              | 3  | 9320.020 | 410 |
| <b>5</b> 20 x 5 – 30 x 10 mm (bayed connection) <sup>3)</sup> | 3  | 9320.030 | 410 |

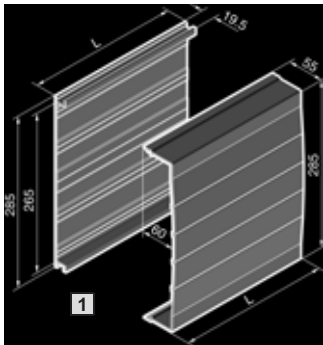
<sup>1)</sup> Other busbar lengths, see page 409.

<sup>2)</sup> Tin-plated version available on request.

<sup>3)</sup> From enclosure to enclosure.

# Rittal RiLine60 busbar systems 800 A (60 mm)

## System components (4-pole)



2

### 1 Base tray

For rear contact hazard protection of the flat bar assembly.

| Length (L) mm | Packs of | Model No. SV |
|---------------|----------|--------------|
| 1100          | 2        | 9340.134     |

### 2 Cover section

May be cut to length as required; for clip-on mounting to the base tray.

| Length (L) mm | Packs of | Model No. SV |
|---------------|----------|--------------|
| 1100          | 2        | 9340.214     |

#### Base tray and cover section

##### Material:

Thermally modified hard PVC.  
Continuous operating temperature max. 91°C.  
Fire protection corresponding to UL 94-V0.

##### Colour:

RAL 7035

##### Note:

If the cover section is mounted from the front, the support panel (SV 9340.224) is needed for stability.



### Support panel

#### for cover section

To prevent side access to the cover section. The support panel also provides additional stability.

##### Material:

Polyamide (PA 6.6).  
Continuous operating temperature max. 105°C.  
Fire protection corresponding to UL 94-V0.

##### Colour:

RAL 7035

| Packs of | Model No. SV |
|----------|--------------|
| 5        | 9340.224     |

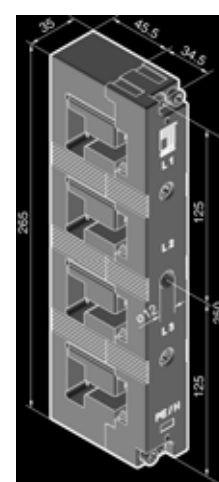
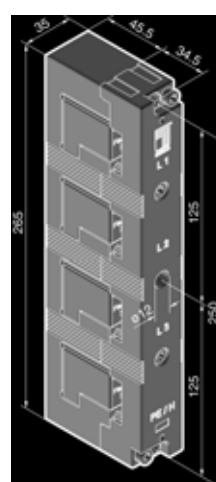
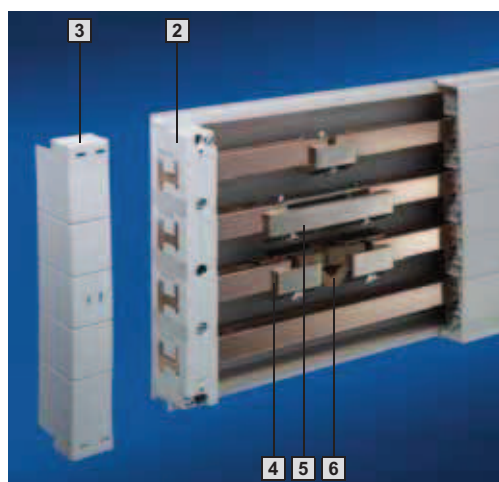


B  
2.2

Rittal RiLine60 busbar systems 800 A (60 mm)

# Rittal RiLine60 busbar systems 800/1600 A (60 mm)

## Busbar supports PLUS (4-pole)



1 Rittal 30 x 10 PLUS 2 Rittal PLS 1600 PLUS

**Material:**  
Polyamide (PA 6.6),  
25 % fibreglass-reinforced.  
Continuous operating  
temperature max. 130°C.  
Fire protection corresponding  
to UL 94-V0.

**Colour:**  
RAL 7035

**Short-circuit protection  
diagram,**  
see page 1231.

**Technical information**  
for the calculation of rated  
currents,  
see page 1249.

| For system  | Packs of | 1 Rittal 30 x 10 PLUS | 2 Rittal PLS 1600 PLUS |
|---|----------|-----------------------|------------------------|
| Number of poles   |          | 4-pole                | 4-pole                 |
| Bar centre distance                                     |          | 60 mm                 | 60 mm                  |
| For busbars E-Cu 30 x 10 mm                             |          | ■                     | –                      |
| For PLS special busbars (PLS 1600)                      |          | –                     | ■                      |
| Tightening torque                                       |          |                       |                        |
| ● Assembly screw (M6 x 20)                              |          | 3 – 5 Nm              | 3 – 5 Nm               |
| ● Cover attachment                                      |          | 5 – 7 Nm              | 5 – 7 Nm               |
| <b>Model No. SV</b>                                     | 4        | <b>9342.014</b>       | <b>9342.004</b>        |
| <b>Accessories</b>                                      |          |                       |                        |
| 3 End covers for contact hazard protection on the sides | 2        | <b>9342.074</b>       | <b>9342.074</b>        |

## Busbars made from E-Cu

**Detailed drawing:**  
SV 9661.300 to .380, see page 409.

| For system                    | Rittal 30 x 10 PLUS |          |                         | Rittal PLS 1600 PLUS                      |          |                         | Page |
|-------------------------------|---------------------|----------|-------------------------|---|----------|-------------------------|------|
| Size                          | 30 x 10 mm          |          |                         | –   |          |                         |      |
| Cross-section (bar thickness) | –                   |          |                         | 900 mm <sup>2</sup> (10 mm) <sup>1)</sup> |          |                         |      |
| For enclosure width<br>mm     | Length<br>mm        | Packs of | <b>Model No.<br/>SV</b> | Length<br>mm                              | Packs of | <b>Model No.<br/>SV</b> |      |
| 300 <sup>2)</sup>             | 265                 | 2        | <b>9661.330</b>         | –   | –        | –                       |      |
| 400 <sup>2)</sup>             | 365                 | 2        | <b>9661.340</b>         | –   | –        | –                       |      |
| 600 <sup>2)</sup>             | 565                 | 2        | <b>9661.360</b>         | 495                                       | 3        | <b>3527.000</b>         |      |
| 800 <sup>2)</sup>             | 765                 | 2        | <b>9661.380</b>         | 695                                       | 3        | <b>3528.000</b>         |      |
| 1000 <sup>2)</sup>            | 965                 | 2        | <b>9661.300</b>         | 895                                       | 3        | <b>3528.010</b>         |      |
| 1200 <sup>2)</sup>            | 1165                | 2        | <b>9661.320</b>         | 1095                                      | 3        | <b>3529.000</b>         |      |
| Variable                      | 2400                | 6        | <b>3586.000</b>         | 2400                                      | 1        | <b>3516.000</b>         |      |

| <b>Accessories</b>  |                                 |    |          |          |   |          |     |
|---|---------------------------------|----|----------|----------|---|----------|-----|
| 4 PLS busbar connector (single connection)                | –                               | –  | –        | –        | 3 | 3514.000 | 410 |
| 5 PLS busbar connector (bayed connection) <sup>3)</sup>   | –                               | –  | –        | –        | 3 | 3515.000 | 410 |
| 6 PLS expansion connectors <sup>4)</sup>                  | –                               | –  | –        | –        | 3 | 9320.070 | 410 |
| Baying bracket for SV 9661.300 to .380 (bayed connection) | 95                              | 4  | 9661.350 |          |   |          | 409 |
| Busbar connector for SV 3586.000                          | Single connection               | –  | 3        | 9320.020 | – | –        | 410 |
|   | Baying connection <sup>3)</sup> | –  | 3        | 9320.030 | – | –        | 410 |
| Busbar cover section                                      | 1000                            | 10 | 3092.000 | –        | – | –        | 408 |

<sup>1)</sup> PLS special busbars (1600 A). To order tin-plated version, please add extension .2X0 to the Model No. Delivery times available on request.

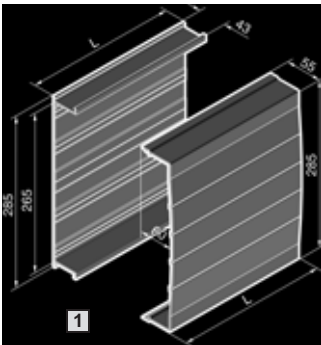
<sup>2)</sup> For Rittal TS 8/ES enclosure systems.

<sup>3)</sup> From enclosure to enclosure.

<sup>4)</sup> Two PLS rail connectors (single connection) are required to fit one expansion connector.

# Rittal RiLine60 busbar systems 800/1600 A (60 mm)

## System components (4-pole)



### 1 Base tray

For rear contact hazard protection of the busbar assembly PLUS.

| Length (L) mm | Packs of | Model No. SV |
|---------------|----------|--------------|
| 1100          | 2        | 9342.134     |

### 2 Cover section

May be cut to length as required; for clip-on mounting to the base tray.

| Length (L) mm | Packs of | Model No. SV |
|---------------|----------|--------------|
| 1100          | 2        | 9340.214     |

#### Base tray and cover section

##### Material:

Thermally modified hard PVC.  
Continuous operating temperature max. 91°C.  
Fire protection corresponding to UL 94-V0.

##### Colour:

RAL 7035

##### Note:

If the cover section is mounted from the front, the support panel (SV 9340.224) is needed for stability.

2

B  
2.2

Rittal RiLine60 busbar systems 800/1600 A (60 mm)



### Support panel

#### for cover section

To prevent side access to the cover section. The support panel also provides additional stability.

##### Material:

Polyamide (PA 6.6).  
Continuous operating temperature max. 105°C.  
Fire protection corresponding to UL 94-V0.

##### Colour:

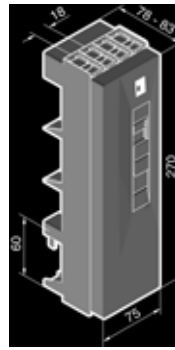
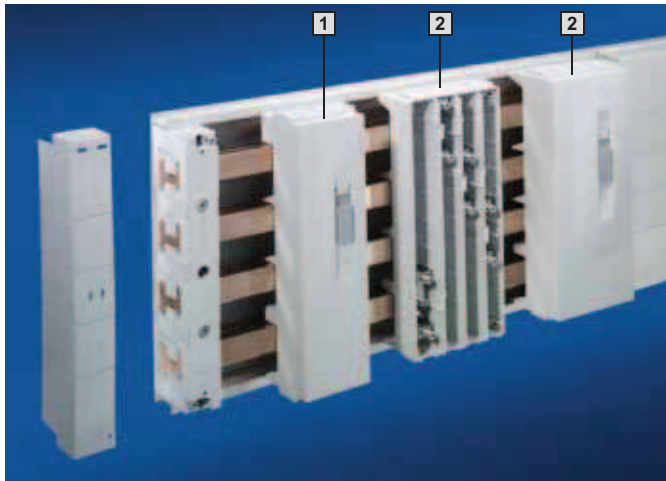
RAL 7035

| Packs of | Model No. SV |
|----------|--------------|
| 5        | 9340.224     |

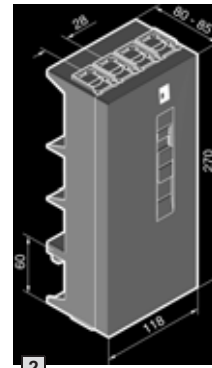


# Rittal RiLine60 busbar systems 800/1600 A (60 mm)

## Busbar connection adaptors (4-pole)



1



2

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2.2

Rittal RiLine60 busbar systems 800/1600 A (60 mm)

### Material:

#### Punched section

Polyamide (PA 6.6),  
25 % fibreglass-reinforced.  
Continuous operating  
temperature max. 130°C.  
Fire protection corresponding  
to UL 94-V0.

#### Cover

ABS,  
fire protection corresponding  
to UL 94-V0.

### Colour:

RAL 7035

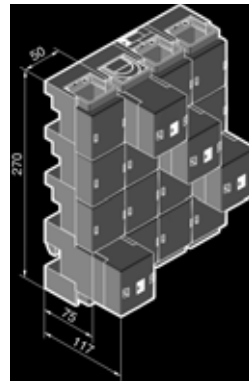
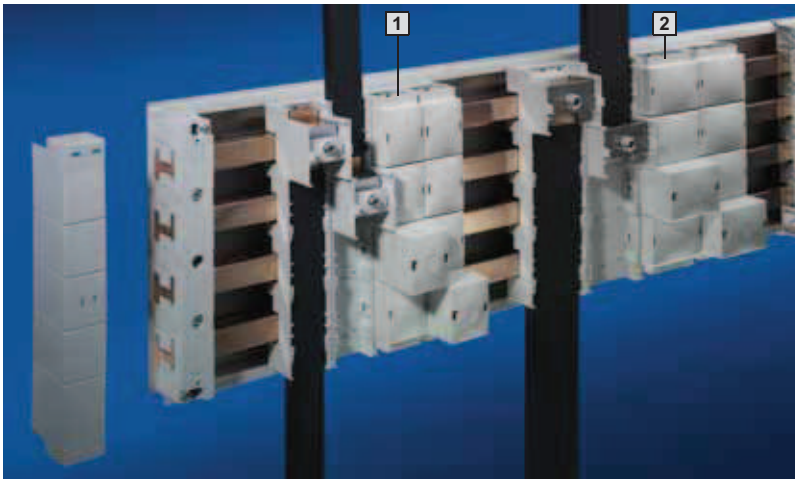
### Supply includes:

Cover.

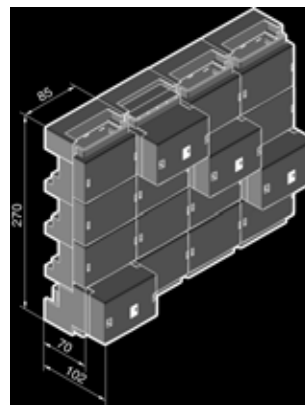
| Design (4-pole)                         | Packs of | 1                       | 2                        | Page |
|---|----------|-------------------------|--------------------------|------|
| Rated current up to                     |          | 125 A                   | 250 A                    |      |
| Rated operating voltage                 |          | 690 V~                  | 690 V~                   |      |
| Connection of round conductors          |          |                         |                          |      |
| ● Fine wire with wire end ferrule       |          | 10 – 25 mm <sup>2</sup> | 35 – 120 mm <sup>2</sup> |      |
| ● Multi-wire                            |          | 16 – 35 mm <sup>2</sup> | 35 – 120 mm <sup>2</sup> |      |
| Clamping area for laminated copper bars |          | 10 x 7.8 mm             | 18.5 x 15.5 mm           |      |
| Tightening torque                       |          |                         |                          |      |
| ● Assembly screw                        |          | 2 Nm                    | 4 – 6 Nm                 |      |
| ● Terminal screw                        |          | 2 – 3 Nm                | 8 – 10 Nm                |      |
| For bar thickness                       |          | 5/10 mm                 | 5/10 mm                  |      |
| Outlet top/bottom                       |          |                         |                          |      |
| <b>Model No. SV</b>                     | 1        | <b>9342.224</b>         | <b>9342.254</b>          |      |
| Outlet at top                           |          |                         |                          |      |
| <b>Model No. SV</b>                     | 1        | <b>9342.234</b>         | <b>9342.264</b>          |      |
| Outlet at bottom                        |          |                         |                          |      |
| <b>Model No. SV</b>                     | 1        | <b>9342.244</b>         | <b>9342.274</b>          |      |
| <b>Accessories</b>                      |          |                         |                          |      |
| Laminated copper bars                   |          | ■                       | ■                        | 411  |

# Rittal RiLine60 busbar systems 800/1600 A (60 mm)

## Busbar connection adaptors (4-pole)



1 SV 9342.310 with SV 9342.314



2 SV 9342.320 with SV 9342.324

### Material:

#### Punched section

Polyamide (PA 6.6),  
25 % fibreglass-reinforced.  
Continuous operating  
temperature max. 130°C.  
Fire protection corresponding  
to UL 94-V0.

#### Cover

ABS,  
fire protection corresponding  
to UL 94-V0.

### Colour:

RAL 7035

### Supply includes:

Cover.

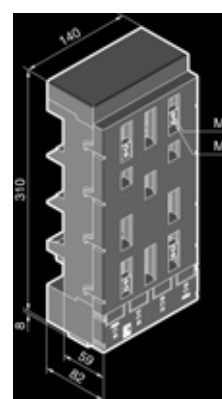
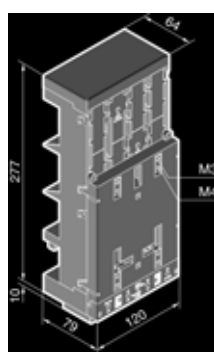
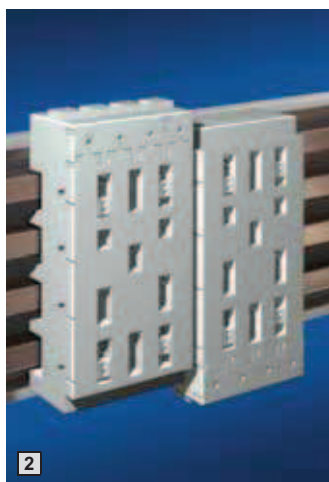
| Design   | Packs of     | 1                        | 2               | Page |
|--|--------------|--------------------------|-----------------|------|
| Rated current up to  |              | 800 A                    | 1600 A          |      |
| Rated operating voltage  |              | 690 V~                   | 690 V~          |      |
| Outlet   |              | top/bottom               | top/bottom      |      |
| Connection of round conductors                                 |              |                          |                 |      |
| ● Fine wire with wire end ferrule                              |              | 95 – 185 mm <sup>2</sup> | –               |      |
| ● Multi-wire   |              | 95 – 300 mm <sup>2</sup> | –               |      |
| Clamping area for laminated copper bars                        |              |                          |                 |      |
| ● For 5 mm bar thickness                                       |              | 33 x 27 mm               | 65 x 27 mm      |      |
| ● For 10 mm bar thickness                                      |              | 33 x 22 mm               | 65 x 22 mm      |      |
| Tightening torque  |              | 12 – 14 Nm               | 15 – 20 Nm      |      |
| For bar thickness  |              | 5/10 mm                  | 5/10 mm         |      |
| Busbar connection adaptors (3 x 1-pole)<br><b>Model No. SV</b> | 1 set<br>(3) | <b>9342.310</b>          | <b>9342.320</b> |      |
| <b>Also required</b>   |              |                          |                 |      |
| Connection adaptor<br>(expansion set for 4-pole configuration) | 1            | <b>9342.314</b>          | <b>9342.324</b> |      |
| <b>Accessories</b>   |              |                          |                 |      |
| Laminated copper bars  |              | ■                        | ■               | 411  |

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2.2

Rittal RiLine60 busbar systems 800/1600 A (60 mm)

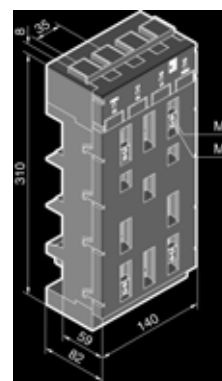
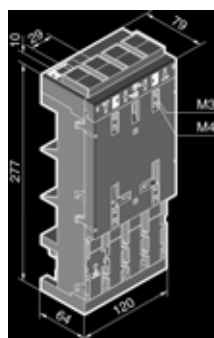
# Rittal RiLine60 busbar systems 800/1600 A (60 mm)

## Circuit-breaker component adaptors 160 A/250 A (4-pole)



1 SV 9342.504

2 SV 9342.604



1 SV 9342.514

2 SV 9342.614

**Material:**  
Polyamide (PA 6.6),  
25 % fibreglass-reinforced.  
Continuous operating  
temperature max. 130°C.  
Fire protection corresponding  
to UL 94-V0.

**Colour:**  
RAL 7035

**Supply includes:**  
Terminal cover and sliding  
blocks for switchgear attach-  
ment.

**Note:**  
Circuit-breaker component  
adaptors in 630 A version  
available on request.

Rittal RiLine60 busbar systems 800/1600 A (60 mm)

B  
2.2

| Design  | Packs of         | 1                        | 2                        |
|---|------------------|--------------------------|--------------------------|
| Construction width  |                  | 120 mm                   | 140 mm                   |
| Length  |                  | 277 mm                   | 310 mm                   |
| Rated current up to   |                  | 160 A                    | 250 A                    |
| Rated operating voltage   |                  | 690 V~                   | 690 V~                   |
| Connection clamp  |                  | Box terminal             | Box terminal             |
| Connection of round conductors                                  |                  | 35 – 120 mm <sup>2</sup> | 35 – 120 mm <sup>2</sup> |
| Clamping area for laminated copper bars                         |                  | 18.5 x 15.5 mm           | 18.5 x 15.5 mm           |
| Tightening torque   |                  | 8 – 10 Nm<br>4 – 6 Nm    | 8 – 10 Nm<br>4 – 6 Nm    |
| For switchgear<br>make/model                                    | ABB              | T1 (160 A), T2 (160 A)   | T3S (250 A), T4V (315 A) |
|   | Merlin Gerin     | NSC100                   | NS100, NS160, NS250L     |
|   | Moeller Electric | NZM1-4 (125 A)           | NZM2-4 (250 A)           |
|   | Siemens          | –                        | VL160X, VL160, VL250     |
| For bar thickness   |                  | 5/10 mm                  | 5/10 mm                  |
| Cable outlet at the top <sup>1)</sup><br><b>Model No. SV</b>    | 1                | <b>9342.504</b>          | <b>9342.604</b>          |
| Cable outlet at the bottom <sup>1)</sup><br><b>Model No. SV</b> | 1                | <b>9342.514</b>          | <b>9342.614</b>          |

<sup>1)</sup> Switch outlet or outgoing cable.