Small enclosures

Features

This is application-oriented range diversity:
6 enclosure types in 4 materials and more than 100 sizes.

With

- Fibreglass-reinforced polycarbonate
- Cast aluminium
- Sheet steel with high-quality coating
- Stainless steel

every aspect of your requirements is met.

It goes without saying that all this is achieved in Rittal's familiar high quality, and to suit every safety requirement.

And for special requirements:

Stainless steel enclosures, see page 302 – 307.

Ex enclosures, see page 324 – 326.

EMC enclosures, see page 327 – 328.

Polycarbonate enclosures

Hinges available as accessories. Cover screw prepared for a lead seal.

3 attachment options:
1. Wall mounting brackets
2. Below the cover screws
3. Knockouts in the enclosure

Enclosure partially equipped with metric knockouts for faster assembly of cable glands.

Cast aluminium enclosures

Some holes tapped for the attachment of support rails, mounting plates or earthing systems.

Cover with captive screws. Wall mounting optionally
- below the cover
- via wall mounting bracket (available as an accessory).

Drilled holes and assembly of cable glands (see page 1054) available on request.
Small enclosures

Features

Terminal boxes KL with and without gland plate

- Cover may be opened and securely locked in a flash, thanks to the new quick-action screw. 3/4 turn instead of thread ensures correct contact pressure of the seal.
- Support rail TS 35/7.5 for better use of the depth, optionally attached at the bottom or via the profile strips on both sides with self-tapping screws.
- Nanoceramic pretreatment, electrophoretic dipcoat priming and powder coating – reliable surface protection thanks to even coating in all the corners and edges.

E-Box

- The “E-Box” supplied as standard with mounting plate, 180° hinge and double-bit lock system.
- Lock insert exchangeable or prepared for a lead seal with lock cover as an accessory – see page 958.

Bus enclosure/RiLAN Industrial

- Door hinged at the bottom or side. Hinges with 180° opening angle, may be unscrewed from the inside.
- Viewing window made from Macrolon with recess set flush into the metal.
- Bus modules of virtually all makes may be attached via the built-in support rails.
**Polycarbonate enclosures PK**

**Material:** Grey enclosure and cover (version .000) from fibreglass-reinforced polycarbonate, transparent cover (version .100) from polycarbonate, cover screws from polyamide, insulating bungs from polyethylene.

**Colour:** RAL 7035

**Protection category:** IP 66 to EN 60 529/09.2000

**Supply includes:** Enclosure and cover, cover screws, insulating bungs for wall mounting screws (not with PK 9530.000 and PK 9531.000), all-round foamed-in PU seal.

**Approval:** see page 24.

**Detailed drawing:** see page 1173.

| Width (B1) mm | 50 | 50 | 65 | 65 | 94 | 94 | 94 | 94 | 94 | 94 | Page |
| Height (H1) mm | 52 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 |
| Depth (T1) mm | 35 | 35 | 57 | 81 | 81 | 81 | 81 | 81 | 81 | 81 |
| **Model No. PK with cable gland for cable diameter 5 – 10 mm** | 9530.000 | 9531.000 | – | – | – | – | – | – | – |
| **Model No. PK with grey cover** | – | – | 9500.000 | 9501.000 | 9502.000 | 9503.000 | 9504.000 | 9505.000 | – | – |
| **Model No. PK with transparent cover** | – | – | – | – | – | – | – | – | 9504.100 | – |
| Packs of | 10 | 10 | 12 | 12 | 8 | 8 | 8 | 6 | 6 |

**Accessories**

| Mounting plate | – | – | – | 9541.000 | 9542.000 | 113 |
| Packs of | – | – | – | 12 | 12 |
| Support rail (Packs of 12) | – | – | – | 9560.000 | – | 113 |
| **TS 15/5.5** Installation in the width | – | – | 9560.000 | – | – | 113 |
| **TS 35/7.5** Installation in the width | – | – | – | 9560.000 | – | 113 |
| **Installation in the height** | – | – | – | – | 9564.000 | 113 |
| **TS 15/5.5** Installation in the height | – | – | – | – | 9564.000 | 113 |
| **TS 35/7.5** Installation in the height | – | – | – | – | 9564.000 | 113 |

| Width (B1) mm | 110 | 110 | 130 | 130 | 130 | 130 | 130 | 180 | 180 | Page |
| Height (H1) mm | 110 | 110 | 94 | 94 | 94 | 130 | 130 | 94 | 94 |
| Depth (T1) mm | 66 | 90 | 57 | 81 | 75 | 99 | 57 | 81 |
| **Model No. PK with grey cover** | 9506.000 | 9507.000 | 9508.000 | 9509.000 | 9510.000 | 9511.000 | 9512.000 | 9513.000 |
| **Model No. PK with transparent cover** | 9506.100 | 9507.100 | 9508.100 | 9509.100 | 9510.100 | 9511.100 | 9512.100 | 9513.100 |
| Packs of | 6 | 6 | 4 | 4 | 4 | 4 | 2 | 2 |

**Accessories**

| Mounting plate | 9543.000 | 9544.000 | 9545.000 | 9546.000 | 113 |
| Packs of | 12 | 12 | 10 | 10 |
| Support rail (Packs of 12) | 9562.000 | 9563.000 | 9563.000 | – | 113 |
| **TS 15/5.5** Installation in the width | 9562.000 | 9563.000 | 9563.000 | – | 113 |
| **TS 35/7.5** Installation in the width | 9564.000 | 9565.000 | 9565.000 | 9566.000 | 113 |
| **Installation in the height** | 9562.000 | 9563.000 | 9563.000 | 9561.000 | 113 |
| **TS 35/7.5** Installation in the height | 9564.000 | 9565.000 | 9565.000 | 9566.000 | 113 |

**Width (B1) mm**

- 50
- 50
- 65
- 65
- 94
- 94
- 94
- 94
- 94
- 94

**Height (H1) mm**

- 52
- 65
- 65
- 65
- 65
- 65
- 65
- 65
- 65
- 65

**Depth (T1) mm**

- 35
- 35
- 57
- 81
- 81
- 81
- 81
- 81
- 81
- 81

**Model No. PK with cable gland for cable diameter 5 – 10 mm**

- 9530.000
- 9531.000

**Model No. PK with grey cover**

- 9500.000
- 9501.000
- 9502.000
- 9503.000
- 9504.000
- 9505.000

**Model No. PK with transparent cover**

- 9504.100

**Packs of**

- 10
- 10
- 12
- 12
- 8
- 8
- 8
- 6
- 6

**Width (B1) mm**

- 110
- 110
- 130
- 130
- 130
- 130
- 130
- 180
- 180

**Height (H1) mm**

- 110
- 110
- 94
- 94
- 94
- 130
- 130
- 94
- 94

**Depth (T1) mm**

- 66
- 90
- 57
- 81
- 75
- 99
- 57
- 81

**Model No. PK with grey cover**

- 9506.000
- 9507.000
- 9508.000
- 9509.000
- 9510.000
- 9511.000
- 9512.000
- 9513.000

**Model No. PK with transparent cover**

- 9506.100
- 9507.100
- 9508.100
- 9509.100
- 9510.100
- 9511.100
- 9512.100
- 9513.100

**Packs of**

- 6
- 6
- 4
- 4
- 4
- 4
- 2
- 2

**Cable gland, polyamide,**

Model No. see page 1054.

**Wall mounting bracket,**

Model No. see page 113.
### Polycarbonate enclosures PK

**Material:**
Grey enclosure and cover (version .000) from fibreglass-reinforced polycarbonate, transparent cover (version .100) from polycarbonate, cover screws from polyamide, insulating bungs from polyethylene.

**Colour:**
RAL 7035

**Protection category:**
IP 66 to EN 60 529/09.2000

**Supply includes:**
Enclosure and cover, cover screws, insulating bungs for wall mounting screws, all-round foamed-in PU seal.

**Approvals,**
see page 24.

**Detailed drawing,**
see page 1173.

<table>
<thead>
<tr>
<th>Width (B1) mm</th>
<th>180</th>
<th>180</th>
<th>180</th>
<th>182</th>
<th>182</th>
<th>182</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height (H1) mm</td>
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<td>110</td>
<td>110</td>
<td>180</td>
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<tr>
<td>Depth (T1) mm</td>
<td>90</td>
<td>111</td>
<td>165</td>
<td>90</td>
<td>111</td>
<td>165</td>
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<tr>
<td>Model No. PK with grey cover</td>
<td>9514.000</td>
<td>9515.000</td>
<td>9516.000</td>
<td>9517.000</td>
<td>9518.000</td>
<td>9519.000</td>
<td></td>
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<tr>
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<td>9514.100</td>
<td>9515.100</td>
<td>9516.100</td>
<td>9517.100</td>
<td>9518.100</td>
<td>9519.100</td>
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</tr>
<tr>
<td>Packs of</td>
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<td>1</td>
<td>1</td>
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</table>

**Accessories**
- Mounting plate: 9547.000, 9548.000, 9566.000, 9566.000, 9564.000, 9564.000
- Support rail TS 35/7.5 (Packs of 12): 9566.000, 9566.000
- Installation in the width: 9566.000, 9566.000
- Installation in the height: 9566.000, 9566.000

<table>
<thead>
<tr>
<th>Width (B1) mm</th>
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<th>254</th>
<th>254</th>
<th>360</th>
<th>360</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height (H1) mm</td>
<td>180</td>
<td>180</td>
<td>180</td>
<td>254</td>
<td>254</td>
<td></td>
</tr>
<tr>
<td>Depth (T1) mm</td>
<td>90</td>
<td>111</td>
<td>165</td>
<td>111</td>
<td>165</td>
<td></td>
</tr>
<tr>
<td>Model No. PK with grey cover</td>
<td>9520.000</td>
<td>9521.000</td>
<td>9522.000</td>
<td>9523.000</td>
<td>9524.000</td>
<td></td>
</tr>
<tr>
<td>Model No. PK with transparent cover</td>
<td>9520.100</td>
<td>9521.100</td>
<td>9522.100</td>
<td>9523.100</td>
<td>9524.100</td>
<td></td>
</tr>
<tr>
<td>Packs of</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
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**Accessories**
- Mounting plate: 9549.000, 9550.000
- Packs of: 8, 4
- Support rail TS 35/7.5 (Packs of 12): 9567.000, 9568.000
- Installation in the width: 9566.000, 9566.000
- Installation in the height: 9566.000, 9566.000

- **Hinges**, Model No. see page 113.
- **Turn-lock fastener**, Model No. see page 113.

**Accessories** Page 890
Polycarbonate enclosures PK
with metric knockouts

Material:
Grey enclosure and lid of fibre-glass-reinforced polycarbonate, lid screws of polyamide, insulating bungs of polythene.

Colour:
RAL 7035

Protection category:
IP 66 to EN 60 529/09.2000

Supply includes:
Enclosure and cover, cover screws, insulating bungs for wall mounting screws, all-round foamed-in PU seal.

Approvals, see page 24.
Detailed drawing, see page 1173.

<table>
<thead>
<tr>
<th>Width (B1) mm</th>
<th>65</th>
<th>130</th>
<th>190</th>
<th>254</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height (H1) mm</td>
<td>65</td>
<td>94</td>
<td>110</td>
<td>180</td>
<td></td>
</tr>
<tr>
<td>Depth (T1) mm</td>
<td>57</td>
<td>57</td>
<td>90</td>
<td>111</td>
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</tr>
</tbody>
</table>

Model No. PK
9500.050 9508.050 9514.050 9521.050

Packs of
12 4 2 1

Accessories
Mounting plate
– 9544.000 9547.000 9549.000 113

Support rail (Packs of 12)
TS 15/5.5
Installation in the width 9560.000 9563.000 – – 113
Installation in the height – 9561.000 – – 113

TS 35/7.5
Installation in the width – 9565.000 9566.000 9567.000 113
Installation in the height – 9564.000 9564.000 9566.000 113

PK 9500.050  PK 9508.050  PK 9514.050  PK 9521.050

Wall mounting bracket,
Model No. see page 113.

Cable gland, polyamide,
Model No. see page 1054.

Accessories Page 890
Mounting plate
For individual configuration

Design:
Melamine phenol-coated laminated paper, 2.5 mm thick.

Colour:
RAL 7035

Supply includes:
Self-tapping assembly screws.

<table>
<thead>
<tr>
<th>To fit</th>
<th>Width (mm)</th>
<th>Height (mm)</th>
<th>Packs of</th>
<th>Model No. PK</th>
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<td>PK 9502.000, PK 9503.000</td>
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<td>12</td>
<td>9541.000</td>
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<td>12</td>
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<td>9543.000</td>
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<tr>
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<td>110</td>
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<td>12</td>
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<td>PK 9514.000/100, PK 9514.050, PK 9515.000/100, PK 9516.000/100</td>
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<td>90</td>
<td>10</td>
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<td>150</td>
<td>150</td>
<td>10</td>
<td>9548.000</td>
</tr>
<tr>
<td>PK 9520.000/100, PK 9521.000/100, PK 9521.050, PK 9522.000/100</td>
<td>220</td>
<td>150</td>
<td>8</td>
<td>9549.000</td>
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<tr>
<td>PK 9523.000/100, PK 9524.000/100</td>
<td>331</td>
<td>220</td>
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<td>9550.000</td>
</tr>
</tbody>
</table>

1) with spacers

Turn-lock fastener
A quick, convenient screw fastening aid is obtained by clipping into the head of the lid screw.

Material:
Polyamide

Supply includes:
1 pack

Hinges
For hinged attachment of lids. The supplied drilling template ensures problem-free assembly.

Supply includes:
1 set =
2 hinges,
4 assembly screws,
4 polyethylene sealing bungs,
1 drilling template.

<table>
<thead>
<tr>
<th>For enclosure</th>
<th>Material</th>
<th>Packs of</th>
<th>Model No. PK</th>
</tr>
</thead>
<tbody>
<tr>
<td>PK 9500.000 – PK 9513.000</td>
<td>Polycarbonate</td>
<td>10 sets</td>
<td>9580.000</td>
</tr>
<tr>
<td>PK 9514.000 – PK 9524.000</td>
<td>Polystyrene</td>
<td>10 sets</td>
<td>9581.000</td>
</tr>
</tbody>
</table>

Wall mounting brackets
The enclosure can be screwed to the wall using four wall mounting brackets. The bracket is securely attached to the enclosure by means of pins.

Material:
Polyamide, grey

Supply includes:
1 pack

Support rail
The two support rail sections provide good flexibility for accommodating terminal blocks and installed components.

Supply includes:
Two self-tapping assembly screws.
Cast aluminium enclosures GA

Material: Enclosure and lid made from cast aluminium, lid with neoprene cord seal.
Surface finish: Textured enamel similar to RAL 7001

Supply includes: 2 or 4 cover screws, captive mounted, 2 or 4 screws for the attachment of support rails, mounting plates etc., 1 screw for connection of the PE conductor.

Material:
- Enclosure and lid made from cast aluminium, lid with neoprene cord seal.
- Surface finish: Textured enamel similar to RAL 7001

Width (B1) mm: 50, 58, 98, 150, 75, 125, 175, 250, 122, 115
Height (H1) mm: 45, 64, 64, 64, 80, 80, 80, 80, 120
Depth (T1) mm: 30, 36, 36, 36, 57, 57, 57, 57, 80
Model No. GA: 9100.210, 9101.210, 9102.210, 9103.210, 9104.210, 9105.210, 9106.210, 9107.210, 9108.210
Packs of: 6, 5, 3, 2, 1

Accessories:
- Mounting plate -
- Support rail1) TS 15/5.5 (Packs of 10) -
- Support rail1) TS 35/7.5 (Packs of 5) -
- Wall mounting brackets (Packs of 2) -
- Exterior hinge (Packs of 2) -

Width (B1) mm: 220, 360, 160, 160, 260, 360, 200, 280, 330, 330
Depth (T1) mm: 90, 80, 90, 90, 90, 110, 110, 110, 110, 180
Model No. GA: 9110.210, 9111.210, 9112.210, 9113.210, 9114.210, 9116.210, 9117.210, 9118.210, 9119.210
Packs of: 1, 1, 1, 1

Accessories:
- Mounting plate: 9110.700
- Support rail1) TS 35/7.5 (Packs of 5): 9110.350
- Wall mounting brackets (Packs of 2): 9112.122, 9112.122, 9112.230, 9112.230
- Exterior hinge (Packs of 2): 9123.000, 9123.000, 9123.000, 9123.000

1) Installation in the width

Cable gland, brass, Model No. see page 1054.
Multi-seal inserts, Model No. see page 1055.

Rittal service: Individual standard solutions for enclosures and covers
- Hole drilling
- Thread tapping
- Milling
- Screen printing
- Engraving
- Choice of RAL colours and other surface finishes available on request.

Detailed drawing, see page 1174.

Cable gland, brass, Model No. see page 1054.
Multi-seal inserts, Model No. see page 1055.

Accessories Page 890
Accessories

**Mounting plate**
for universal interior installation.

**Material:**
Sheet steel, zinc-plated, passivated,
with attachment holes.

<table>
<thead>
<tr>
<th>Exterior dimensions mm</th>
<th>For enclosure</th>
<th>Packs of</th>
<th>Model No. GA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>Height</td>
<td></td>
<td></td>
</tr>
<tr>
<td>114</td>
<td>69</td>
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<td>10</td>
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<tr>
<td>109</td>
<td>107</td>
<td>GA 9108.210</td>
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<tr>
<td>207</td>
<td>107</td>
<td>GA 9110.210</td>
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<tr>
<td>144</td>
<td>142</td>
<td>GA 9112.210</td>
<td>2</td>
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<td>245</td>
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<td>GA 9117.210</td>
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</tr>
<tr>
<td>314</td>
<td>214</td>
<td>GA 9118.210/GA 9119.210</td>
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</tbody>
</table>

**Support rail**
To accommodate terminal blocks or other installed equipment.

**Material:**
Sheet steel, zinc-plated, passivated.

<table>
<thead>
<tr>
<th>Rail</th>
<th>Rail length available for population mm</th>
<th>For enclosure width mm</th>
<th>Packs of</th>
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<tr>
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<td></td>
<td>180</td>
<td>220</td>
<td>5</td>
<td>9110.350</td>
</tr>
</tbody>
</table>

**Wall mounting bracket**
For external mounting to surfaces – no need to dismantle the lid if pre-assembled.

**Material:**
Sheet steel, zinc-plated, passivated

<table>
<thead>
<tr>
<th>For enclosure</th>
<th>Packs of</th>
<th>Model No. GA</th>
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<tbody>
<tr>
<td>GA 9108.210/ GA 9110.210/ GA 9111.210</td>
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<td>2</td>
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</table>

**Hinge, exterior**
For fastening the lid to the enclosure base.

**Material:**
Die-cast aluminium

**Colour:**
RAL 7001

<table>
<thead>
<tr>
<th>For enclosure</th>
<th>Packs of</th>
<th>Model No. GA</th>
</tr>
</thead>
</table>
Terminal boxes KL

without gland plate, depth: 80

Material:
- Enclosure: Sheet steel 1.25 mm
- Cover: Sheet steel 1.25 mm

Surface finish:
- Enclosure and cover: Dipcoat-primed, powder-coated in textured RAL 7035 on the outside

Protection category:
- IP 66 to EN 60 529/09.2000, complies with NEMA 4.

Supply includes:
- Enclosure, cover with all-round foamed-in PU seal and quick-action screws, including plastic bushes.

Approvals, see page 25.
Detailed drawing, see page 1175.

Material: Sheet steel 1.25 mm
Cover: Sheet steel 1.25 mm

Surface finish: Enclosure and cover: Dipcoat-primed, powder-coated in textured RAL 7035 on the outside


Supply includes: Enclosure, cover with all-round foamed-in PU seal and quick-action screws, including plastic bushes.

Approvals: see page 25.

Detailed drawing: see page 1175.

### Width (B1) mm

<table>
<thead>
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<th>Packs of</th>
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</thead>
<tbody>
<tr>
<td>Height (H1) mm</td>
<td>150</td>
<td>150</td>
<td>200</td>
<td>150</td>
<td>200</td>
<td>200</td>
<td>200</td>
<td>200</td>
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<tr>
<td>Depth (T1) mm</td>
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<td>80</td>
<td>80</td>
<td>80</td>
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<tr>
<td>Model No. KL</td>
<td>1514.510</td>
<td>1528.510</td>
<td>1516.510</td>
<td>1515.510</td>
<td>1517.510</td>
<td>1518.510</td>
<td>1519.510</td>
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<tr>
<td>Weight (kg)</td>
<td>1.4</td>
<td>1.6</td>
<td>1.9</td>
<td>2.1</td>
<td>2.6</td>
<td>3.2</td>
<td>4.6</td>
<td>116</td>
</tr>
</tbody>
</table>

### Accessories

| Mounting plate | 1 | 1560.700 | 1575.700 | 1562.700 | 1561.700 | 1563.700 | 1564.700 | 1566.700 | 978 |
| Support rail TS 35/7.5 | 10 | 2314.000 | 2315.000 | 2315.000 | 2316.000 | 2316.000 | 2317.000 | – | 1002 |
| Support rail TS 35/15 | 10 | – | – | – | – | – | – | 2319.000 | 1002 |
| Cover retainer 3 pairs | 1591.000 | 1591.000 | 1591.000 | 1591.000 | 1591.000 | 1591.000 | 1591.000 | 1591.000 | 962 |
| Cover hinge 6 | 1592.000 | 1592.000 | 1592.000 | 1592.000 | 1592.000 | 1592.000 | 1592.000 | 1592.000 | 962 |
| Earthing set 5 | 2570.100 | 2570.100 | 2570.100 | 2570.100 | 2570.100 | 2570.100 | 2570.100 | 2570.100 | 1036 |

Double-membrane gland, stepped collar for cable entry. Model No. see page 1058.

Earthing set for KL, comprising all the parts needed for earthing of the cover. Model No. see page 1036.

To order terminal boxes in textured RAL 7032 please add extension .210 to the Model No., and for primed terminal boxes use extension .310. Delivery times available on request.
Terminal boxes KL
without gland plate, depth: 120

Material:
Enclosure: Sheet steel 1.25 mm; 1.38 mm for KL 1507.510 to KL 1513.510
Cover: Sheet steel 1.25 mm

Surface finish:
Enclosure and cover: Dipcoat-primed, powder-coated in textured RAL 7035 on the outside

Protection category:
IP 66 to EN 60 529/09.2000, complies with NEMA 4.

Supply includes:
Enclosure, cover with all-round foamed-in PU seal and quick-action screws, including plastic bushes.

Approvals,
see page 25.
Detailed drawing,
see page 1775.

Material:
Enclosure: Sheet steel 1.25 mm; 1.38 mm for KL 1507.510 to KL 1513.510
Cover: Sheet steel 1.25 mm

Surface finish:
Enclosure and cover: Dipcoat-primed, powder-coated in textured RAL 7035 on the outside

Protection category:
IP 66 to EN 60 529/09.2000, complies with NEMA 4.

Supply includes:
Enclosure, cover with all-round foamed-in PU seal and quick-action screws, including plastic bushes.

Approvals,
see page 25.
Detailed drawing,
see page 1775.

Material:
Enclosure: Sheet steel 1.25 mm; 1.38 mm for KL 1507.510 to KL 1513.510
Cover: Sheet steel 1.25 mm

Surface finish:
Enclosure and cover: Dipcoat-primed, powder-coated in textured RAL 7035 on the outside

Protection category:
IP 66 to EN 60 529/09.2000, complies with NEMA 4.

Supply includes:
Enclosure, cover with all-round foamed-in PU seal and quick-action screws, including plastic bushes.

Approvals,
see page 25.
Detailed drawing,
see page 1775.

Material:
Enclosure: Sheet steel 1.25 mm; 1.38 mm for KL 1507.510 to KL 1513.510
Cover: Sheet steel 1.25 mm

Surface finish:
Enclosure and cover: Dipcoat-primed, powder-coated in textured RAL 7035 on the outside

Protection category:
IP 66 to EN 60 529/09.2000, complies with NEMA 4.

Supply includes:
Enclosure, cover with all-round foamed-in PU seal and quick-action screws, including plastic bushes.

Approvals,
see page 25.
Detailed drawing,
see page 1775.

Material:
Enclosure: Sheet steel 1.25 mm; 1.38 mm for KL 1507.510 to KL 1513.510
Cover: Sheet steel 1.25 mm

Surface finish:
Enclosure and cover: Dipcoat-primed, powder-coated in textured RAL 7035 on the outside

Protection category:
IP 66 to EN 60 529/09.2000, complies with NEMA 4.

Supply includes:
Enclosure, cover with all-round foamed-in PU seal and quick-action screws, including plastic bushes.

Approvals,
see page 25.
Detailed drawing,
see page 1775.

Material:
Enclosure: Sheet steel 1.25 mm; 1.38 mm for KL 1507.510 to KL 1513.510
Cover: Sheet steel 1.25 mm

Surface finish:
Enclosure and cover: Dipcoat-primed, powder-coated in textured RAL 7035 on the outside

Protection category:
IP 66 to EN 60 529/09.2000, complies with NEMA 4.

Supply includes:
Enclosure, cover with all-round foamed-in PU seal and quick-action screws, including plastic bushes.

Approvals,
see page 25.
Detailed drawing,
see page 1775.

Material:
Enclosure: Sheet steel 1.25 mm; 1.38 mm for KL 1507.510 to KL 1513.510
Cover: Sheet steel 1.25 mm

Surface finish:
Enclosure and cover: Dipcoat-primed, powder-coated in textured RAL 7035 on the outside

Protection category:
IP 66 to EN 60 529/09.2000, complies with NEMA 4.

Supply includes:
Enclosure, cover with all-round foamed-in PU seal and quick-action screws, including plastic bushes.

Approvals,
see page 25.
Detailed drawing,
see page 1775.
Terminal boxes KL

with gland plate, depth: 120

Material:
Enclosure: Sheet steel 1.38 mm; 1.25 mm for KL 1530.510 to KL 1534.510 and KL 1542.510
Cover: Sheet steel 1.25 mm

Surface finish:
Enclosure and cover: Dipcoat-primed, powder-coated on the outside in textured RAL 7035

Protection category:
IP 55 to EN 60 529/09.2000, complies with NEMA 12.

Supply includes:
Enclosure with gland apertures, cover with foamed-in special seal and quick-action screws including plastic bushes, sheet steel gland plates with seals and assembly parts.

Approvals,
see page 25.

Detailed drawing,
see page 1175.

Material:
Enclosure: Sheet steel 1.38 mm; 1.25 mm for KL 1530.510 to KL 1534.510 and KL 1542.510
Cover: Sheet steel 1.25 mm

Surface finish:
Enclosure and cover: Dipcoat-primed, powder-coated on the outside in textured RAL 7035

Protection category:
IP 55 to EN 60 529/09.2000, complies with NEMA 12.

Supply includes:
Enclosure with gland apertures, cover with foamed-in special seal and quick-action screws including plastic bushes, sheet steel gland plates with seals and assembly parts.

Approvals,
see page 25.

Detailed drawing,
see page 1175.

Material:
Enclosure: Sheet steel 1.38 mm; 1.25 mm for KL 1530.510 to KL 1534.510 and KL 1542.510
Cover: Sheet steel 1.25 mm

Surface finish:
Enclosure and cover: Dipcoat-primed, powder-coated on the outside in textured RAL 7035

Protection category:
IP 55 to EN 60 529/09.2000, complies with NEMA 12.

Supply includes:
Enclosure with gland apertures, cover with foamed-in special seal and quick-action screws including plastic bushes, sheet steel gland plates with seals and assembly parts.

Approvals,
see page 25.

Detailed drawing,
see page 1175.
Material: Sheet steel
Enclosure: 1.25 mm; 1.38 mm for EB 1555.500, EB 1556.500, EB 1577.500 to EB 1579.500
Surface finish: Enclosure and door: Dipcoat-primed, powder-coated in textured RAL 7035 on the outside
Mounting plate: Zinc-plated

Supply includes: Enclosure with mounting plate, door including 180° hinges and cam lock with double-bit insert.

Approvals, see page 25.
Detailed drawing, see page 1176.

Depth 80 mm

<table>
<thead>
<tr>
<th>Width (B1) mm</th>
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<td>125</td>
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<tr>
<td>Mounting plate height (G1) mm</td>
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<td>135</td>
<td>285</td>
<td>185</td>
<td>285</td>
<td>385</td>
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</table>

Model No. EB 1 1551.500 1545.500 1546.500 1552.500 1547.500
Weight (kg) 1.7 2.6 2.4 3.2 4.4

Depth 120 mm

<table>
<thead>
<tr>
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<tbody>
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<td>200</td>
<td>300</td>
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<td>120</td>
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<td>Mounting plate width (F1) mm</td>
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<td>175</td>
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<tr>
<td>Mounting plate height (G1) mm</td>
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Model No. EB 1 1553.500 1548.500 1549.500 1554.500 1555.500 1556.500 1557.500 1550.500
Weight (kg) 2.0 3.0 2.8 3.6 5.0 5.0 6.4 6.2

Depth 155 mm

<table>
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<tr>
<td>Mounting plate height (G1) mm</td>
<td></td>
<td>385</td>
<td>585</td>
<td>785</td>
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</tbody>
</table>

Model No. EB 1 1577.500 1578.500 1579.500
Weight (kg) 7.1 11.0 13.2

Lock systems

Standard double-bit lock insert may be exchanged for lock inserts, type A, see page 956, lock cylinder inserts, plastic handles and T handles, type B, see page 954 – 957.

To order terminal boxes in textured RAL 7032 please add extension .600 to the Model No., and for primed terminal boxes use extension .800. Delivery times available on request.
Bus enclosures

**Material:**
Sheet steel
Enclosure: 1.38 mm
Door: 1.5 mm
Viewing window made from polycarbonate, 4 mm

**Surface finish:**
Enclosure and door:
Powder-coated in textured RAL 7035

**Protection category:**
IP 65 to EN 60 529/09.2000,
complies with NEMA 12.

**Supply includes:**
Door with l/h hinge,
1 cam lock with double-bit insert,
2 (1) support rail(s) TS 35/7.5 (for BG 1586.510).
Drilled holes for cable glands in the base.

**Approvals,**
see page 26.

### Table: Dimensions (mm)

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>PG version</th>
<th>Metric version</th>
<th>Model No.</th>
<th>Number of PG holes</th>
<th>Number of metric holes</th>
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</thead>
<tbody>
<tr>
<td>W (B) H D (T)</td>
<td></td>
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<td></td>
</tr>
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</tr>
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<td>2 5 2</td>
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<td>1584.510</td>
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</tr>
<tr>
<td>400 300 80</td>
<td>1 14 – 1 2</td>
<td>1585.510</td>
<td>2 13 3</td>
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<tr>
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<td>3 – 24 –</td>
<td>1586.510</td>
<td>3 24 –</td>
<td>1586.520</td>
<td></td>
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</tbody>
</table>

**Lock systems**

Standard double-bit lock insert may be exchanged for lock inserts, type A, see page 956 and plastic handles, type B, see page 954.

**To order enclosures in RAL 7032, please add the extension .210 or .220 to the Model No.** Delivery times available on request.

**Not applicable to BG 1586.510**
**Bus enclosure**

**Material:**
Sheet steel
Enclosure: 1.38 mm
Door: 1.5 mm
Viewing window made from polycarbonate, 4 mm

**Surface finish:**
Enclosure and door:
Dipcoat-primed, powder-coated in textured RAL 7035

**Protection category:**
IP 65 to EN 60 529/09.2000,
complies with NEMA 12.

**Supply includes:**
Door hinged at the bottom,
2 (3) quick-release fasteners for screwdriver
(with BG 1559.510),
1 support rail TS 35/7.5,
1 gland plate at the bottom.

**Accessories:**
for BG 1559.150
gland plates, size 6,
see page 1050.

**Approvals,**
see page 26.

<table>
<thead>
<tr>
<th>Dimensions in mm</th>
<th>Number of metric holes</th>
<th>Model No. BG</th>
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<tbody>
<tr>
<td>W (B) H D (T) M12 M20 M32 M50</td>
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<tr>
<td>400 300 120 – 2 9 1</td>
<td>1606.520</td>
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</table>

**Lock systems**
Standard double-bit lock insert may be exchanged for lock inserts, type A, see page 956
and plastic handles, type B, see page 954.

To order enclosures in RAL 7032, please add the extension .220 to the Model No.
Delivery times available on request.

---

**Bus enclosure**

**Material:**
Sheet steel
Enclosure: 1.38 mm
Door: 1.5 mm
Viewing window made from polycarbonate, 4 mm

**Surface finish:**
Enclosure and door:
Powder-coated in textured RAL 7035

**Protection category:**
IP 65 to EN 60 529/09.2000,
complies with NEMA 12.

**Supply includes:**
Door with r/h hinge,
1 cam lock with double-bit insert,
1 support rail TS 35/7.5,
Holes for screwed cable glands in the base.

**Accessories:**
Cable glands made from polyamide or brass,
see page 1054.

**Approvals,**
see page 26.
**Bus enclosure**

**Material:**
Sheet steel
Enclosure: 1.38 mm
Door: 1.5 mm
Polycarbonate viewing window (not all versions)
Zinc-coated mounting plate

**Surface finish:**
Enclosure and door:
Powder-coated in textured RAL 7035

**Protection category:**
IP 65 to EN 60 529/09.2000,
complies with NEMA 12.

**Supply includes:**
Door hinged at the bottom,
cam locks with double-bit insert,
may be exchanged for type A lock inserts,
page 956 and type B plastic handles, page 954.

**Modification:**
Viewing window and gland plate as per selection

**Approvals,**
see page 26.

---

**Bus enclosure**

**Material:**
Sheet steel
Enclosure: 1.38 mm
Door: 1.5 mm
Viewing window made from polycarbonate, 4 mm

**Surface finish:**
Enclosure and door:
Powder-coated in textured RAL 7035

**Protection category:**
IP 65 to EN 60 529/09.2000,
complies with NEMA 12.

**Approvals,**
see page 27.

---

**Bus enclosure**

**Material:**
Sheet steel
Enclosure: 1.38 mm
Door: 1.5 mm

**Surface finish:**
Enclosure and door:
Powder-coated in textured RAL 7035

**Dimensions in mm:**

<table>
<thead>
<tr>
<th>W (B)</th>
<th>H</th>
<th>D (T)</th>
<th>F1</th>
<th>G1</th>
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<tbody>
<tr>
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**Number of drilled holes for PG 13.5 or M20**

<table>
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<th>Model No.</th>
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<tbody>
<tr>
<td>1611.510</td>
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</tbody>
</table>

**To order enclosures in RAL 7032,** please add the extension .6X0 to the Model No.

**Delivery times available on request.**

---

**Bus enclosure**

**Protection category:**
IP 65 to EN 60 529/09.2000,
complies with NEMA 12.

**Supply includes:**
Door with r/h hinge,
1 cam lock with 3 mm double-bit insert,
may be exchanged for type A lock inserts,
page 956 and type B plastic handles, page 954.
3 support rails T5 35/7.5
Holes for screwed cable glands in the base.

---

**Bus enclosure**

**Material:**
Sheet steel
Enclosure: 1.38 mm
Door: 1.5 mm
Viewing window made from polycarbonate, 4 mm

**Surface finish:**
Enclosure and door:
Powder-coated in textured RAL 7035

**Protection category:**
IP 65 to EN 60 529/09.2000,
complies with NEMA 12.

**Approvals,**
see page 27.
Bus enclosure

Material:
Sheet steel
Enclosure: 1.38 mm
Door: 1.5 mm
Viewing window made from polycarbonate, 4 mm

Surface finish:
Enclosure and door:
Powder-coated in textured RAL 7035

Protection category:
IP 65 to EN 60 529/09.2000,
complies with NEMA 12.

Supply includes:
Door hinged at the bottom,
2 quick-release fasteners for screwdrivers,
1 support rail TS 35/7.5.
Holes for screwed cable glands in the base.

Accessories:
Cable glands made from polyamide or brass,
see page 1054.

Approvals,
see page 27.

Bus enclosure
for modular cable entry

Material:
Sheet steel
Enclosure: 1.38 mm
Door: 1.5 mm
Viewing window made from polycarbonate, 4 mm

Surface finish:
Enclosure and door:
Powder-coated in textured RAL 7035

Protection category:
IP 55 to EN 60 529/09.2000,
complies with NEMA 12
(in conjunction with module plates).

Supply includes:
18 cut-outs in the base for module plates,
pre-configured top-hat rail for bus systems
(I/O modules, motor starters) and terminal blocks.
Door with viewing panel for visual monitoring of
the installed components.

Also required:
Module plates,
see page 1051.

Approvals,
see page 27.
RiLAN Industrial IN

Junction box IP 67
Plastic
The RJ 45 connector pattern of the junction box is PROFINET-compatible and authorised for industrial applications in ISO/IEC 24 702. For use in areas with more demanding requirements in terms of protection category, such as:
- Industrial plant
- Warehouses and assembly halls
- Laboratories and workshops
Design:
- Robust enclosure for surface-mounting
- 2 RJ 45 jacks for cable AWG 22 – 24 (solid/flexible), Category 6 to ISO/IEC 11801:2002 and EN 50 173-1
- Cable infeed from above or below via cable glands
- Integral cable manager for secure cable routing
- Insulation stripping aid
- Protective flaps, captive, self-closing
- Option for adding a lead seal
- Watertight label panel

Dimensions
W x H x D: 90 x 152 x 69 mm

Material:
Polycarbonate, impact-resistant, halogen-free, UL 94-V0

Colour:
RAL 9011

Protection category:
IP 67 to EN 60 529/09.2000

Supply includes:
Enclosure with cable manager, 2 RJ 45 jacks, 2 cable glands, 1 sealing bung, assembly instructions.

Packs of  Model No. IN
1  2203.500

Junction box IP 65
Cast aluminium
Robust junction box for use in areas with more demanding requirements in terms of protection category and impact resistance. The RJ 45 connector layout is authorised to ISO/IEC 24 702 for applications in the area of IEC 61 918.
Design:
- Robust enclosure for surface-mounting
- 2 side slots RJ 45 (right)
  Category 5 to ISO/IEC 11801:2002 and EN 50 173-1
- Connection via LSA connection strips on PCB
- Cable infeed via two M20 cable glands, capacity 5 – 13 mm

Dimensions
W x H x D: 80 x 125 x 57 mm (enclosure only)

Material:
Cast aluminium

Colour:
RAL 7035

Protection category:
IP 65 EN 60 529/09.2000

Supply includes:
Enclosure with PCB and integral RJ 45 jacks, 2 cable glands M20, 1 sealing bung.

Packs of  Model No. IN
1  2203.600
Empty enclosure for industrial distributor

W x H x D: 600 x 760 x 210 mm

Provides space for Ethernet connection of 24 subscribers with patch panel.

Material:
Sheet steel

Surface finish:
Enclosure and door: Dipcoat-primed, powder-coated in textured RAL 7035 on the outside
Mounting plate: Zinc-plated

Protection category:
IP 56/54 to EN 60 529/09.2000 (depending on the gland plate fitted).

Supply includes:
Enclosure, one-door, with gland plate in the enclosure base, r/h door hinge, with 2 cam locks, polycarbonate viewing panel, foamed-in door seal, mounting plate.

<table>
<thead>
<tr>
<th>Packs of</th>
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</thead>
<tbody>
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<td>1</td>
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</table>

1) Stainless steel and plastic versions available on request.

Accessories:

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<td>1</td>
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<td>1</td>
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</tbody>
</table>

Mounting of components available from Rittal.
Cut-outs, e.g., for interface flaps, see page 1150 and signal pillars, see page 1125.

Detailed drawing, see page 1176.

---

Empty enclosure for industrial distributor

W x H x D: 600 x 300 x 125 mm

Provides space for Ethernet connection of
- up to 24 users without patch panel
- up to 12 users with patch panel

Material:
Sheet steel

Surface finish:
Enclosure and cover: Dipcoat-primed, powder-coated in textured RAL 7035 on the outside

Protection category:
IP 65/54 to EN 60 529/09.2000 (with fitted gland plate)

Supply includes:
Enclosure, without gland plate in the enclosure base, lid hinged at the bottom, opening angle of lid limited to 90° by a retaining cord, 3 quick-release fasteners for screwdrivers, polycarbonate viewing panel, foamed-in lid seal, 2 fitted support rails TS 35/7.5 (590 and 150 mm long), 3 fitted cable shunting rings DK 7112.000.

<table>
<thead>
<tr>
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Accessories:

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Mounting of components available from Rittal.
Cut-outs, e.g., for interface flaps, see page 1150 and signal pillars, see page 1125.