Prefabricated busbar trunking
KBB 25 - 40A
Canalis®

Catalogue
Presentation

Canalis KBB
for lighting and power socket distribution

1 - Run components
- Rating: 25 or 40 A.
- 2 or 4 live conductors.
- Length:
  - Basic lengths: 2 and 3 metres.

2 - Feed units and end covers
- The feed units delivered with end covers, receive the cables supplying one end of Canalis KBB trunking.
- The end covers supplied with the feed units terminate the signal length and insure the IP level.
**Presentation**

**Canalis KBB**
for lighting and power socket distribution

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**3 - Fixing system and cable trays**

- The fixing system ensures that Canalis KBB is well secured, whatever the type of building structure. There are also fixings to secure the luminaires to Canalis KBB.
- A metal duct is available for running other circuits such as emergency lighting, low-current circuits, etc.

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**4 - Tap-off units**

- The 10 and 16 A tap-off units, pre-wired or not, single-phase with fixed polarity or multi-phase with phase selection, can be used on the entire lighting range.
Canalis KBB for lighting and power socket distribution

No risk in case of fire
All components in the KBB range are halogen free.
In case of fire, Canalis KBB does not release smoke or toxic gases.

A large number of conductors
Canalis KBB offers up to 11 conductors for all applications:
- emergency lighting,
- dimmers,
- detection of presence,
lighting and power-socket circuits, etc.
Canalis KBB
for lighting and power socket distribution

A high degree of protection
- IIP55 guarantees trunking protection against splashes and dust.
- Canalis KBB complies
  with sprinkler tests, guaranteeing operation under vertically and horizontally sprayed water for 90 minutes.
  The high degree of protection for Canalis KBB means it can be installed in all types of buildings.

Very rigid
Canalis KBB offers fixing distances of up to 5 metres, including the jointing units.

Unmatched upgrading possibilities
It is particularly simple to add or modify a Canalis KBB installation since components can be easily mounted or dismantled.
All parts can be reused.
Description

Canalis KBB, 25 to 40 A
Busbar trunking for lighting and power socket distribution

IP55
Ue = 230...400 V
Galvanised or RAL 9010 white

Run components

Carry current, support and supply the luminaires.
Particularly strong, Canalis KBB is specially intended for installations with large fixing distances and/or heavy or numerous luminaires.

Straight lengths

Straight lengths constitute the basic structure of the line and are made up of:
1. an all-in-one carrier casing, crimp closed, forming a rigid beam made of sheet steel, hot galvanised on both sides. This casing also acts as the protective earth conductor (PE), equivalent in size to 22 mm² of copper. As an option (code W), the casing is available in RAL 9010 white lacquered sheet steel.
2. one or two ribbon cable with two or four copper conductors, protected against corrosion by tinning, making up one or two independent circuits,
3. three tap-off outlets maxi spaced every metre on the main circuit (front), two tap-off outlets maxi on the adjacent circuit (rear),
4. an electrical joint unit ensuring automatic and simultaneous connection of all live conductors,
5. a mechanical joint device in two parts, made of stamped sheet steel, that makes the connection of two lengths rigid and resistant to bending.

Multi-circuit possibilities

The many possibilities offered by KBB trunking means specialised circuits can be created, e.g. for emergency lighting, presence detection, dimming.

The degree of protection is IP55 (without accessories).

The busbar trunking is non-flame-propagating as per the recommendations of standard IEC 332-3. All the insulating and plastic materials are halogen-free and have enhanced fire-withstand capabilities (incandescent wire test as per standard IEC 665-2-1):
- 960°C for components in contact with live parts.
- 650°C for other components.
Description

Canalis KBB, 25 to 40 A
Busbar trunking for lighting and power socket distribution

IP55
Ue = 230...400 V
Galvanised or RAL 9010 white

Feed units and end covers
Supply a Canalis KBB line.
They clip on (jointing unit) to the end of the line.
The end cover for the opposite end of the line is supplied with each feed unit.

1 Feed unit, one circuit
2 Feed unit, two circuits
3 End cover.

Flexible lengths
Flexible length
For changes in direction or levels and detours around obstacles.
It is mounted in the same way as a straight length.
Canalis KBB, 25 to 40 A
Busbar trunking for lighting and power socket distribution

**Description**

- IP55
- Ue = 230...400 V
- Galvanised or RAL 9010 white

**Fixing systems**

**Busbar trunking**

For attachment of the busbar trunking to the structure of the building, either directly or via a threaded rod, chain or steel cable.
- Designed to relieve the installer of the weight of the busbar trunking once placed in a bracket.
- Automatic locking of moving part on closing (unlocking requires a 3 mm flat screwdriver).
- The maximum recommended fixing distance is five metres.

1. **Universal fixing bracket**
   - For suspension on a threaded rod, diameter 6 mm.
   - For horizontal mounting on a beam, pendant, wall, etc.

2. **Cable suspension system**
   - Cuts the mounting time of the fixing system to one-third of that required for threaded rods.
   - Enables adjustment of the height of the trunking.

3. **Adjustable threaded-rod suspension system**
   - For suspension on a threaded rod, diameter 6 mm.
   - A spring system locks the threaded rod in position for fast adjustment of the trunking.

4. **Pigtail hook**
   - For suspension by a chain.

**Luminaires**

Attached to the luminaires before mounting, these fixings ensure fast and direct fixing to Canalis KBB.
- Same catalogue numbers as the busbar fixings.
- Automatic locking of moving part on closing.
- Use with an open hook and/or closed ring enables suspension with a chain, etc.

**Cable support**

For running adjacent circuits such as emergency lighting, low-current circuits, etc.

**Cable brackets**

Clips to trunking for fast mounting. It is possible to run three cables (diameter 5 to 16 mm) and two IRL tubes.

**Cable duct**

The cable duct fits on support (1), which in turn fits onto a threaded rod suspension system (2). An intermediate support is placed between the duct and the trunking if the distance between the suspension points exceeds 2 metres.
Each duct is equipped with a mechanical joint system.
Canalis KBB, 25 to 40 A
Busbar trunking for lighting and power socket distribution

Description

IP55
Ue = 230...400 V
Galvanised or RAL 9010 white

Options

Empty lengths (no electric circuit)
Used to adjust line length to building dimensions (e.g. to reach a fixing point).
Two metres long, can be cut on site.

Clean earth option (Code E)
As an option, a factory-fitted dedicated earth conductor isolated from the grounding is available. This is known as a Clean Earth and has a cross-section of 6 mm².
1 The clean earth is always provided on the main circuit of KBB busbar trunking, on the front panel (side with label and 3 tap-offs on KBB with 2 circuits). The symbol, which appears at regular intervals near to the tap-off outlets, serves as a reminder of the special nature of this circuit.
2 The electrical jointing unit is supplied with additional clean earth contacts. Thus, installation of components fitted with option E does not require any additional assembly operation.
3 The receivers are connected using a standard 16 A (KBC 16DCB ou DCF). The feed boxes are fitted with clean earth (labelled  ) terminals.

Optional remote-control circuit (code T)
Factory mounted, an SELV remote-control circuit (U 50 V) is available for the loads supplied by the KBB trunking. The main applications are:

- remote control (rest mode or testing) of self-contained emergency lighting units,
- dimmer control,
- transmission on a building automation bus (please contact us).
The system is built in compliance with European standard EN 60439-2 and the LV and EMC directives.

Electrical characteristics of the remote-control circuit

<table>
<thead>
<tr>
<th>Composition</th>
<th>Twisted pair, unshielded (10 twists/m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross-section and type of conductor</td>
<td>mm²</td>
</tr>
<tr>
<td>Rated insulation voltage U_i (between power circuit and bus)</td>
<td>V</td>
</tr>
<tr>
<td>Rated operational voltage U_e (max. U between bus + and - poles)</td>
<td>V</td>
</tr>
<tr>
<td>Maximum operational current I_e</td>
<td>A</td>
</tr>
<tr>
<td>Linear resistance</td>
<td>mΩ/m</td>
</tr>
<tr>
<td>Linear capacitance</td>
<td>pF/m</td>
</tr>
</tbody>
</table>

1 The remote-control circuit is factory mounted next to the main circuit in the trunking (in front for two-circuit trunking).
2 Electrical jointing unit equipped with additional bus contacts. Installation of components fitted with option T requires no additional assembly operations.
3 Each tap-off outlet is equipped with dual output contacts to tap-off the remote-control circuit to the receiver.
4 Connection of the remote-control receiver using a KBC-16DCB or DCF tap-off unit equipped with a KBC 16ZT1 contact-block accessory.
5 Feed units equipped with an additional bus terminal block.
**Canalis KDP, KBA and KBB**

Busbar trunking for lighting and power socket distribution

**Tap-off units**

*Tap-off units (general)*

For instantaneous connection of luminaires to KDP busbar trunking:
- They can be handled while energised and under live conditions,
- The contacts for live conductors are of the clamp type,
- PE connection occurs before that of the phases and neutral,
- Phase-selection system (clip-in contact studs) for balancing of 3-phase distribution systems,
- Selection is visible via a transparent window,
- A coloured lock holds them in the tap-off outlet,
- All the insulating and plastic materials have a high fire-retardant capacity:
  - Incandescent-wire test in compliance with IEC 695-2-1:
    - 960°C for components in contact with live parts,
    - 650°C for other components.

All the insulators and plastic components are *halogen free*.

*Pre-wired 10 A tap-off unit with fixed polarity*

Pre-wired with SOSZ1Z1-F 3 x 1.5 mm² cable, 0.80 m long, pre-stripped on luminaire end:
- 10 A rating,
- Fixed L + N + PE polarity,
- The various models make it possible to balance 3-phase distribution systems.

The colour of the lock and the casing enable remote identification of the polarity.

1 Live-conductor contacts.
2 Protective-conductor contact.
3 Lock.

*Two-pole 10 A tap-off unit with phase selection*

- The two contact studs are movable and can be used to set up both L + N + PE and 2L + PE distribution.
- Supplied complete with a cable gland.

10 A KBC-10DCB20 tap-off unit, 2-pole + PE, to be wired

- To be wired for connection of luminaires using a cable of specific type, size or length.
- Fast connection for 3 x 0.75 to 1.5 mm² cable. If prefabricated leads are used, the line must have 16 A protection (see possibilities of dispensing with protection in the simplified design guide for lighting distribution, in the section on protection against overloads).

10 A KBC tap-off unit, 2-pole + PE, pre-wired

Two pre-wired versions are available:
1 pre-wired with SOSZ1Z1-F 3 x 1.5 mm² cable, 1 m long, pre-stripped on luminaire end,
2 For KDP, pre-wired with SOSZ1Z1-F 3 x 1.5 mm² cable, 1 m long and equipped with a female GST18i3 connector on the luminaire end (see prefabricated leads). In this case, the lead is IP40.

If prefabricated leads are used, the line must have 16 A protection (see possibilities of dispensing with protection in the simplified design guide for lighting distribution, in the section on protection against overloads).
Description

IP55
Ue = 230...400 V

Canalis KDP, KBA and KBB
Busbar trunking for lighting and power socket distribution
Tap-off units

16 A KBC 16DCB/DCF21 tap-off unit with phase selection
For connection of luminaires using a cable of specific type, size and length.

- Two-pole: L + N + PE (1 mobile stud, fixed neutral) or 2L + PE (2 mobile studs).
- Installation is facilitated by the side guides.
- Supplied with a cable bushing. Terminal connections for 0.75 to 1.5 mm² cable.

KBC 16DCB tap-off unit with terminals, direct connection (no protection)
For direct connection (no protection) of luminaires using a specific cable.
Can be equipped with the accessory to tap-off the remote-control circuit to the luminaires.

KBC 16DCF tap-off unit, with fuses
For protection of each luminaire.
Fuse carrier on the phase (1 or 2 carriers depending on the model).
For cylindrical fuse NF 8.5 x 31.5 (not supplied), 16 A gG maximum, breaking capacity 20 kA.

16 A L + N + PE tap-off unit with preselected polarity KBC 16DCB/DCF
For tap-off and individual protection of luminaires assigned to two independent circuits of 4-conductor KBB trunking.
Identical in design to the tap-off units on the opposite page, but with factory-set polarity.

Accessories
Specific to KBC 16DCF tap-off units
1 Additional remote-control contact block
- For tap-off of the remote-control circuit to the luminaire (KBA and KBB lines with T option).
- Clips onto KBC 16DCB or CF (except KBC 16DCF22) tap-off units.
- Terminals for data cable, max. size 2 X 0.75 mm².
- Supplied with cable bushing.

2 Rear support bracket
Additional fixing of KBC 16 tap-off units using the rear support bracket may be necessary, notably if there is a risk of accidental pulling on the cable or if the cable is very heavy (great length).

Other accessories
3 Interlocking device
For all 10 A and 16 A tap-off units.
A set of three interlocking devices in different colours can be used to mechanically lock out tap-off units when two or three different distribution networks are present (load, voltage, frequency, etc.).
- An interlocking device is made up of a handle and an interlocking device on each end. It can be used for a tap-off outlet and the corresponding tap-off unit.
- Labels can be placed on the tap-off units and the trunking for remote identification.

4 Outlet blanking plate
Spare part intended to restore IP55 on a tap-off outlet following removal of the tap-off unit (if original blanking plate is lost).
Canalis KBB, 25 and 40 A, 1 circuit
Busbar trunking for lighting and power socket distribution
Optional remote-control circuit (code T)
Optional white-lacquered metal enclosure (code W)
Optional isolated earth (code E)

Straight lengths, one circuit

<table>
<thead>
<tr>
<th>Type of busbar trunking</th>
<th>Length (m)</th>
<th>Number of tap-offs</th>
<th>Order in multiples of (2)</th>
<th>25 A rating Cat. no.</th>
<th>Weight (kg)</th>
<th>40 A rating Cat. no.</th>
<th>Weight (kg)</th>
<th>Option(1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard straight length L + N + PE</td>
<td>3</td>
<td>0</td>
<td>6</td>
<td>KBB 25ED2300</td>
<td>2.400</td>
<td>KBB 40ED2300</td>
<td>2.700</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>2</td>
<td>6</td>
<td>KBB 25ED2303</td>
<td>2.400</td>
<td>KBB 40ED2303</td>
<td>2.700</td>
<td>T</td>
</tr>
<tr>
<td>Standard straight length 3L + N + PE</td>
<td>3</td>
<td>0</td>
<td>6</td>
<td>KBB 25ED4300</td>
<td>2.600</td>
<td>KBB 40ED4300</td>
<td>3.100</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>2</td>
<td>6</td>
<td>KBB 25ED4303</td>
<td>2.600</td>
<td>KBB 40ED4303</td>
<td>3.100</td>
<td>T</td>
</tr>
<tr>
<td>Empty length</td>
<td>2</td>
<td>0</td>
<td>6</td>
<td>KBB 40ED2100</td>
<td>1.600</td>
<td>KBB 40ED2100</td>
<td>1.600</td>
<td>-</td>
</tr>
</tbody>
</table>

Feed units (supplied with end cover)

<table>
<thead>
<tr>
<th>Designation</th>
<th>Mounting</th>
<th>Cable connection</th>
<th>Cat. no.</th>
<th>Weight (kg)</th>
<th>Option(1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feed unit</td>
<td>Left</td>
<td>PG 21, Ø 19</td>
<td>KBB 40ABG4</td>
<td>0.400</td>
<td>T, W</td>
</tr>
<tr>
<td></td>
<td>Right</td>
<td>PG 21, Ø 19</td>
<td>KBB 40ABD4</td>
<td>0.500</td>
<td>T, W</td>
</tr>
</tbody>
</table>

Additional jointing unit

<table>
<thead>
<tr>
<th>Designation</th>
<th>Mounting</th>
<th>Cable connection</th>
<th>Cat. no.</th>
<th>Weight (kg)</th>
<th>Option(1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>End cover</td>
<td></td>
<td></td>
<td>KBB 40ZJ4</td>
<td>0.640</td>
<td></td>
</tr>
</tbody>
</table>

(1) Options T and W may be combined. Add T, W or TW to the cat. no.
Example: KBB 40AA4TW.
- Option E may not be combined with options T and W. Add E to the cat. no.
Example: KBB 40AA4E.
(2) Quantity may not be split.
Canalis KBB, 25 and 40 A, 2 circuits
Busbar trunking for lighting and power socket distribution
Optional remote-control circuit (code T)
Optional white-lacquered metal enclosure (code W)
Optional isolated earth (code E)

Straight lengths, two circuits

Type of busbar trunking | Length (m) | Number of tap-offs | Order in multiples of 3 | 25 A rating (kg) | 40 A rating (kg) | Weight (kg) | Option (1)
--- | --- | --- | --- | --- | --- | --- | ---
KBB 25 | 2.400 | 0 + 6 | 3 0 6 | KBB 25ED22300 | 2.400 | KBB 40ED22300 | 2.700 | T W E
KBB 30 | 2.700 | 0 + 6 | 3 0 6 | KBB 25ED22305 | 2.400 | KBB 40ED22305 | 2.700 | T W E

Standard straight length

KBB 25 | 2.400 | 0 + 6 | 3 0 6 | KBB 25ED22300 | 2.400 | KBB 40ED22300 | 2.700 | T W E
KBB 30 | 2.700 | 0 + 6 | 3 0 6 | KBB 25ED22305 | 2.400 | KBB 40ED22305 | 2.700 | T W E

Empty length

KBB 25 | 1.600 | 0 + 6 | 2 0 6 | KBB 40ED20 | 1.600 | KBB 40ED20 | 1.600 | T W E
KBB 30 | 1.900 | 0 + 6 | 2 0 6 | KBB 40ED20 | 1.600 | KBB 40ED20 | 1.600 | T W E

Feed units (supplied with end cover)

Designation | Mounting | Cable connection | Options | Cat. no. | Weight (kg) | Option (1, 2)
--- | --- | --- | --- | --- | --- | ---
Feed unit | Left | 6 to 10 | PG 21, Ø 19 | All | KBB 40ABG44 | 0.400 | T W E
Right | 6 to 10 | PG 21, Ø 19 | None | KBB 40ABG44 | 0.400 | T W E
Additional jointing unit | KBB 40J44 | 0.640 | T W E
End cover | KBB 40AD44 | 0.640 | T W E

(1) Options T and W may be combined. Add T, W or TW to the cat. no. Example: KBB 40ABG44TW.

(2) Option E may not be combined with options T and W. Add E to the cat. no. Example: KBB 40ABG44E.

(3) Quantity may not be split.
Canalis KBB, 25 and 40 A
Busbar trunking for lighting and power socket distribution

Optional remote-control circuit (code T)
Optional white-lacquered metal enclosure (code W)
Optional isolated earth (code E)

Flexible lengths

<table>
<thead>
<tr>
<th>Designation</th>
<th>Mounting</th>
<th>For trunking</th>
<th>Length (m)</th>
<th>Cat. no.</th>
<th>Weight (kg)</th>
<th>Option(1)</th>
<th>T</th>
<th>W</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flexible lengths</td>
<td>For elbows, changing levels, detours around obstacles, etc.</td>
<td>0.5</td>
<td>KBB 40DF405</td>
<td>0.800</td>
<td>T W E</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2</td>
<td>KBB 40DF420</td>
<td>1.900</td>
<td>T W E</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.5</td>
<td>KBB 40DF4405</td>
<td>0.800</td>
<td>T W E</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2</td>
<td>KBB 40DF4420</td>
<td>1.900</td>
<td>T W E</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Fixing systems

<table>
<thead>
<tr>
<th>Designation</th>
<th>Mounting</th>
<th>Maximum load (kg)</th>
<th>Order in multiples of</th>
<th>Cat. no.</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Universal fixing bracket(1)</td>
<td>Suspended on threaded rod or lateral (except wall)</td>
<td>60</td>
<td>10</td>
<td>KBB 40ZFU</td>
<td>0.050</td>
</tr>
<tr>
<td>Cable suspension system</td>
<td>Universal fixing bracket and steel cable, 3 m long</td>
<td>60</td>
<td>10</td>
<td>KBB 40ZFSU</td>
<td>0.105</td>
</tr>
<tr>
<td></td>
<td>Cable alone, 3 m long</td>
<td>60</td>
<td>10</td>
<td>KBB 40ZFSU</td>
<td>0.100</td>
</tr>
<tr>
<td>Spring fixing bracket(2)</td>
<td>Adjustable suspension for threaded rod, Ø M6</td>
<td>50</td>
<td>10</td>
<td>KBB 40ZFPU</td>
<td>0.160</td>
</tr>
<tr>
<td>Pigtail hook</td>
<td>For suspension by a chain</td>
<td>60</td>
<td>10</td>
<td>KBB 40ZFC</td>
<td>0.020</td>
</tr>
<tr>
<td>Raiser</td>
<td>For mounting on wall or false floor</td>
<td>60</td>
<td>10</td>
<td>KBB 40ZFMP</td>
<td>0.040</td>
</tr>
</tbody>
</table>

(1) Options may be combined. Add T and/or W to cat. no.
Ex: KBB 40EF400TW

(2) Options may not be combined with options T and W. Add E to the cat. no.
Ex: KBB 40ABG4E.
Canalis KBB, 25 and 40 A
Busbar trunking for lighting and power socket distribution
Optional white-lacquered metal enclosure (code W)

**Catalogue numbers**

- **Dimensions**
  - IP55
  - Ue = 230...400 V
  - Galvanised or RAL 9010 white

**Fixing system (cont.)**

<table>
<thead>
<tr>
<th>Designation</th>
<th>Mounting</th>
<th>Maximum load (kg)</th>
<th>Order in multiples of Cat. no.</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Universal fixing bracket</td>
<td>For direct suspension under trunking</td>
<td>60</td>
<td>10</td>
<td>KBB 40ZFU</td>
</tr>
<tr>
<td>Open hook</td>
<td>To suspend the luminaire</td>
<td>45</td>
<td>10</td>
<td>KBB 40ZFC5</td>
</tr>
<tr>
<td>Ring</td>
<td>Mounted on the luminaire</td>
<td>45</td>
<td>10</td>
<td>KBB 40ZFC6</td>
</tr>
</tbody>
</table>

**Accessories**

**For tap-off units**

<table>
<thead>
<tr>
<th>Designation</th>
<th>Function</th>
<th>Colour</th>
<th>Order in multiples of Cat. no.</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outlet/tap-off unit interlocking device (2 parts)</td>
<td>Identification and mechanical interlocking between 1 to 3 different circuits</td>
<td>Blue</td>
<td>20</td>
<td>KBC 16ZL10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>White</td>
<td>20</td>
<td>KBC 16ZL20</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Red</td>
<td>20</td>
<td>KBC 16ZL30</td>
</tr>
</tbody>
</table>

**Other accessories**

<table>
<thead>
<tr>
<th>Designation</th>
<th>Function</th>
<th>Order in multiples of Cat. no.</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable duct</td>
<td>Width 25 mm, length 3 m</td>
<td>6</td>
<td>KFB 25CD253</td>
</tr>
<tr>
<td></td>
<td>Cable duct support to be mounted on a spring fixing bracket(1)</td>
<td>10</td>
<td>KBB 40ZFG1</td>
</tr>
<tr>
<td></td>
<td>Cable duct support + intermediate support(2)</td>
<td>10</td>
<td>KBB 40ZFG2</td>
</tr>
<tr>
<td>Cable brackets</td>
<td>For adjacent circuits</td>
<td>20</td>
<td>KBB 40ZFGU</td>
</tr>
<tr>
<td>Cutting pliers</td>
<td>To cut steel cable used for cable suspension system</td>
<td>1</td>
<td>KBB 40ZFS</td>
</tr>
</tbody>
</table>

(1) Maximum recommended distance between fixings: 2 meters.
(2) Maximum recommended distance between fixings: 3 meters.

**Spare parts**

<table>
<thead>
<tr>
<th>Designation</th>
<th>Function</th>
<th>Order in multiples of Cat. no.</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blanking plate</td>
<td>Restore IP55 on tap-off outlet if original blanking plate is lost</td>
<td>10</td>
<td>KBC 16ZB1</td>
</tr>
</tbody>
</table>

**Supports KBB et VDI**

See KBA and VDI supports for catalogue numbers and dimensions (K02E21000.fm/5)

(1) Option: Add W to cat. no. Example KBB 40ZFUW.
Canalis KDP, KBA and KBB tap-off units
For lighting and power socket distribution

10 A tap-off unit, direct connection

10 A tap-off unit, 2L + PE, with fixed polarity, pre-wired SO5Z1Z1-F 3 x 1.5 mm², 0.8 m long

<table>
<thead>
<tr>
<th>Type of busbar trunking</th>
<th>Polarity</th>
<th>Colour of lock</th>
<th>Order in multiples of</th>
<th>Cat. no.</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>L1 + N</td>
<td>Green</td>
<td></td>
<td>10</td>
<td>KBC 10DCS101</td>
<td>0.100</td>
</tr>
<tr>
<td>L2 + N</td>
<td>Yellow</td>
<td></td>
<td>10</td>
<td>KBC 10DCS201</td>
<td>0.100</td>
</tr>
<tr>
<td>L3 + N</td>
<td>Brown</td>
<td></td>
<td>10</td>
<td>KBC 10DCS301</td>
<td>0.100</td>
</tr>
</tbody>
</table>

Single-circuit switching Balancing on 3 phases or 3-circuit switching

KBC 10CS01

10 A tap-off unit, 2L + PE, with phase selection

<table>
<thead>
<tr>
<th>Type of busbar trunking</th>
<th>Polarity</th>
<th>Order in multiples of</th>
<th>Cat. no.</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>L1 + N or L2 + N or L3 + N</td>
<td>10</td>
<td>KBC 10DCB20</td>
<td>0.065</td>
<td></td>
</tr>
<tr>
<td>L1 + L2 or L1 + L3 or L2 + L3</td>
<td>10</td>
<td>KBC 10DCB20</td>
<td>0.065</td>
<td></td>
</tr>
<tr>
<td>L2 + N2 or L3 + N3</td>
<td>10</td>
<td>KBC 10DCB20</td>
<td>0.065</td>
<td></td>
</tr>
</tbody>
</table>

All types possible

10 A tap-off unit, 2L + PE, with phase selection, pre-wired SO5Z1Z1-F 3 x 1.5 mm², 1 m long

<table>
<thead>
<tr>
<th>Type of busbar trunking</th>
<th>Polarity</th>
<th>Pre-equipped with female GST18i3 connector</th>
<th>Order in multiples of</th>
<th>Cat. no.</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>L1 + N or L2 + N or L3 + N</td>
<td>10</td>
<td>No</td>
<td>KBC 10DCC211</td>
<td>0.165</td>
<td></td>
</tr>
<tr>
<td>L1 + L2 or L1 + L3 or L2 + L3</td>
<td>10</td>
<td>Yes (1)</td>
<td>KBC 10DCC21Z</td>
<td>0.165</td>
<td></td>
</tr>
<tr>
<td>L2 + N2 or L3 + N3</td>
<td>10</td>
<td></td>
<td>KBC 10DCC21Z</td>
<td>0.165</td>
<td></td>
</tr>
</tbody>
</table>

All types possible

10 A tap-off unit, 4L + PE

<table>
<thead>
<tr>
<th>Type of busbar trunking</th>
<th>Polarity</th>
<th>Order in multiples of</th>
<th>Cat. no.</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>To be defined for each application (dimmer, emergency lighting, etc.)</td>
<td>10</td>
<td>KBC 10DCB40</td>
<td>0.065</td>
<td></td>
</tr>
</tbody>
</table>

All types possible

KBC 10DCB20, KBC 10DCC21•, KBC 10DCB40

(1) For IP, see KDP, KBA and KBB Tap-off units description page 2
## Canalis KDP, KBA and KBB tap-off units

For lighting and power socket distribution

### 16 A single-phase tap-off unit, with or without fuses

<table>
<thead>
<tr>
<th>Type of busbar trunking</th>
<th>Polarity</th>
<th>Protection</th>
<th>Scheme</th>
<th>Colour of lock</th>
<th>Order in multiples of</th>
<th>Cat. no.</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**16 A tap-off unit, 2L + PE, with phase selection**

<table>
<thead>
<tr>
<th>Type of busbar trunking</th>
<th>Polarity</th>
<th>Protection</th>
<th>Scheme</th>
<th>Colour of lock</th>
<th>Order in multiples of</th>
<th>Cat. no.</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 16 A tap-off unit, 2L + PE, with phase selection

<table>
<thead>
<tr>
<th>Type of busbar trunking</th>
<th>Polarity</th>
<th>Protection</th>
<th>Scheme</th>
<th>Colour of lock</th>
<th>Order in multiples of</th>
<th>Cat. no.</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 16 A tap-off unit, 2L + PE, with preselected polarity

<table>
<thead>
<tr>
<th>Type of busbar trunking</th>
<th>Polarity</th>
<th>Protection</th>
<th>Scheme</th>
<th>Colour of lock</th>
<th>Order in multiples of</th>
<th>Cat. no.</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**Dimensions**

IP55

**Ue** = 230...400 V
# Canalis KDP, KBA and KBB tap-off units

For lighting and power socket distribution

## 16 A three-phase tap-off unit, with or without fuses

### 16 A tap-off unit, 3L + N + PE

<table>
<thead>
<tr>
<th>Type of busbar trunking</th>
<th>Polarity</th>
<th>Protection</th>
<th>Scheme</th>
<th>Cat. no.</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>None</td>
<td></td>
<td>KBC 16DCB40</td>
<td>0.090</td>
</tr>
<tr>
<td>3L + N</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>KBC 16DCF40</td>
<td>0.090</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

All types possible

### 16 A tap-off unit, 3L + N + PE, with power socket

<table>
<thead>
<tr>
<th>Type of busbar trunking</th>
<th>Polarity</th>
<th>Type of power socket</th>
<th>Protection</th>
<th>Scheme</th>
<th>Cat. no.</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>NF 2P + E</td>
<td>10/16 A, 250 V</td>
<td>Cylindrical fuse</td>
<td>KBC 16DCP1</td>
<td>0.090</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>NF 8.5 x 31.5</td>
<td>16 A gG maximum (not supplied)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>VDE 2P + E</td>
<td>10/16 A, 250 V</td>
<td>Cylindrical fuse</td>
<td>KBC 16DCP2</td>
<td>0.090</td>
</tr>
<tr>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Catalogue numbers

- **Dimensions**
  - IP55
  - $U_e = 230...400$ V

## Old Range

100% compatible

1. **N**
2. **L3**
3. **L2**
4. **L1**
5. **PE**

---

K04E22030.fm/4

Schneider Electric
Canalis KBA and KBB tap-off units

For lighting and power socket distribution

**Catalogue numbers**

**Dimensions**

IP55

Ue = 230...400 V

---

### Accessories for KBA and KBB tap-off units

<table>
<thead>
<tr>
<th>Designation</th>
<th>Function</th>
<th>Order in multiples of</th>
<th>Cat. no.</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact block</td>
<td>For 16 A single-phase or three-phase tap-off units to tap off the remote control circuit of the trunking to the remote receiver</td>
<td>10</td>
<td>KBC 16ZT1</td>
<td>0.010</td>
</tr>
<tr>
<td>Rear support bracket</td>
<td>For securing 16 A single-phase tap-off units to the trunking</td>
<td>10</td>
<td>KBC 16ZC1</td>
<td>0.020</td>
</tr>
</tbody>
</table>
**Installation**

**Canalis KBB, 25 and 40 A**

*Busbar trunking for lighting and power socket distribution*

**Installation scenario**

**IP55**

**Ue = 230...400 V**

**Galvanised or RAL 9010 white**

---

**Installation of a line**

Unload and carry the products inside to a calm spot, where no work is going on.

**Do not store the busbar trunking outdoors.**

Take care not to knock or drag the busbar trunking on the ground. That could damage the ends and render connections impossible.

Unpack and layout on the floor the trunking components required to mount the first line.

Check the position of the feed unit. It must be as close as possible to the switchboard.

---

**Preparation of fixings**

Install the suspension cable around the I-beam and mount the adjustment fixture on the KBB bracket.

*In this catalogue, you will find a number of fixings suited to different building structures. You will also find a range of accessories to support all the cables associated with your installation.*
**Preparation of a line segment on the floor**

Assemble two or three lengths (clip together) and lock with the joint screw.

Lift and position the line segment in the fixing brackets.

They are designed to immediately relieve the installer of the weight. The busbar trunking is held in place as soon as the KBB lengths are positioned in the brackets.

The brackets lock when clipped closed.

To unlock the brackets, use 3 mm flat screwdriver.
Installation

Canalis KBB, 25 and 40 A
Busbar trunking for lighting and power socket distribution
Installation scenario

The following segments can be mounted effortlessly, due to the ease of assembling the mechanical and electrical connections.

Adjusting the level of the KBB line
The suspension system using a steel cable makes for easy and fast adjustments.

Tap-off connections
Prepare the luminaires
Connection of the tap-off units to the luminaires, phase selection and mounting of the fixings are carried out on the ground.
These operations can also be carried out in the workshop, before delivery to the site.

In this catalogue, you will find ready-to-use luminaires. They are supplied prewired, equipped with a tap-off unit with phase-selection.
Installation

Canalis KBB, 25 and 40 A
Busbar trunking for lighting and power socket distribution

Installation scenario

Mounting the luminaires on the trunking

Once again, the fixing brackets are designed to immediately relieve the installer of the weight. The luminaire is held in place as soon as the bracket is placed on the trunking.

The brackets lock when clipped closed.

Connect the tap-off unit to the trunking

Connect the feed unit and energise

Last installation step. Connect the supply cable to the Canalis KBB feed unit, then to the switchboard.

Energise the system to check operation.
Installation

Canalis KBB, 25 and 40 A
Busbar trunking for lighting and power socket distribution
Assembly of trunking components

IP55
Ue = 230...400 V
Galvanised or RAL 9001 white
Installation

Canalis KBB, 25 and 40 A
Busbar trunking for lighting and power socket distribution
Assembly of trunking components

Fixing Canalis KBB in the brackets

Mounting the luminaires on the trunking

Connecting the luminaires