Prefabricated busbar trunking
KBA 25 og 40A
Canalis®
1 - Run components

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

2 - Feed units and end covers

The feed units delivered with the end covers receive the cables supplying one end of Canalis KBA trunking.
3 - Fixing system and cable trays
- The fixing system ensures that Canalis KBA is well secured, whatever the type of building structure. There are also fixings to secure the luminaires to Canalis KBA.
- A metal duct is available for running other circuits such as emergency lighting, low-current circuits, etc.

4 - Tap-off units
- The 10 and 16 A tap-off units, pre-wired or not, offer phase selection or fixed polarities, and can be used on KDP, KDA and KBB ranges.

Luminaires
- Industrial IP20 luminaires are designed for promises of all heights.
- IP55 dust and damp-proof luminaires are designed for promises of low to medium height with severe environments.

Presentation
Canalis KBA
For lighting and power socket distribution
Presentation

Canalis KBA
For lighting and power socket distribution

Ready-to-install luminaires
Canalis KBL luminaires have been designed for easy installation on KBA trunking. With just a few catalogue numbers, you have a complete range of luminaires suited to all types of buildings.

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

Fast and easy mounting
Canalis KBA components can be assembled in just a few clicks.
**Very rigid**
Canalis KBA trunking forms a rigid beam, even at the junction between two lengths.

**Three levels of illumination**
By using three-phase trunking, it is possible to create up to three levels of illumination.

**A high degree of protection**
- IP55 guarantees trunking protection against splashes and dust.
- Canalis KBA complies with sprinkler tests, guaranteeing operation under vertically and horizontally sprayed water for 90 minutes.

The high degree of protection for Canalis KBA means it can be installed in all types of buildings.
**Description**

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

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

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**Run components**

Carry current, support and supply the 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 11 mm² of copper. As an option (code W), the casing is available in RAL 9001 white lacquered sheet steel.
2. A ribbon cable with two or four copper conductors, protected against corrosion by tinning.
3. One, two, three or five tap-off outlets,
4. An electrical jointing unit ensuring automatic and simultaneous connection of all live conductors,
5. A mechanical joining device made of galvanised sheet steel that makes the connection of two lengths rigid and resistant to bending.

**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 695-2-1):
- 960°C for components in contact with live parts.
- 650°C for other components.

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**Feed units and end covers**

Supply a Canalis KBA 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, 1 circuit (25 and 40 A ratings).
2. Line outlet box (for rating 40 A only).

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**Supply from left**

1. Feed unit, 1 circuit (25 and 40 A ratings).

**Supply from right**

2. Line outlet box (for rating 40 A only).
**Description**

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

---

**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.

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**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 (the latter two with a pigtail hook or a closed ring).

- 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 tool).
- The maximum recommended fixing distance is: 3 metres.

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

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

5. **Closed ring**  
   For suspension by a steel cable.

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**Luminaires**

Attached to the luminaires before mounting, these fixings ensure fast and direct fixing to Canalis KBA.

- 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.
Description

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

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

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

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

2 Cable duct
The cable duct fits on support KBB 40ZFG1, which in turn fits onto a threaded rod suspension system KBA 40ZFPU. 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 connection device.

Options

Empty length (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.

Optional remote-control circuit (code T)
Factory mounted, an SELV remote-control circuit (U 50 V) is available for the loads supplied by the KBA 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 mm²</td>
<td>2 x 0.75 copper</td>
</tr>
<tr>
<td>Rated insulation voltage Ui (between power circuit and bus) V</td>
<td>500</td>
</tr>
<tr>
<td>Rated operational voltage Ue (max. U between bus + and - poles) V</td>
<td>50</td>
</tr>
<tr>
<td>Maximum operational current Ie A</td>
<td>2</td>
</tr>
<tr>
<td>Linear resistance mΩ/m</td>
<td>52</td>
</tr>
<tr>
<td>Linear capacitance pF/m</td>
<td>30</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 joining 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.
Description

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

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

### IP20 industrial luminaires

**IP20 industrial fluorescent luminaires**

Industrial fluorescent luminaires are designed for industrial buildings of low to medium height. They are supplied:
- premounted,
- prewired with a KBC 10DCB20 tap-off unit and one metre of SO5Z1Z1-F 3G1.5 cable,
- pre-equipped with two KBA 40ZFU fixings.

**Supplied without tubes**, the run components are made up of:

1. a **sheet-steel body**, electro-galvanised and pre-lacquered white,
2. a **ballast**:
   - for T8 tubes (diameter 26 mm):
     - either two 58 W compensated (C) ferro-magnetic ballasts,
     - or an electronic ballast (HF), dual 2 x 58 W version,
   - for T5 tubes (diameter 16 mm), an electronic ballast, dual 2 x 35 W version,
3. **industrial fluorescent reflectors** made of sheet metal, electro-galvanised and pre-lacquered white for industrial buildings of low to medium height.

### IP20 high-intensity fluorescent luminaires

High-intensity industrial fluorescent luminaires are designed for industrial buildings with high ceilings. They may be equipped exclusively with 80 W T5 tubes (diameter 16 mm) and an electronic ballast (HF), dual 2 x 80 W version.

### IP55 dust and damp-proof luminaires

These industrial fluorescent luminaires are designed for industrial buildings of low to medium height with severe environments (dust, humidity, etc.), farm buildings, parking lots, sawmills, etc. The combination of polyester and polycarbonate makes them particularly versatile.

They are supplied:
- premounted,
- prewired with a KBC 10DCB20 tap-off unit and one metre of SO5Z1Z1-F 3G1.5 cable,
- pre-equipped with two KBA 40ZFU fixings.

**Supplied without tubes**, the run components are made up of:

1. a **body** made of polyester, RAL 7035 grey,
2. a **cover** made of striated polycarbonate,
3. **cover clips** made of stainless steel,
4. a **ballast**:
   - for T8 tubes:
     - either two compensated (C) ferro-magnetic ballasts,
   - or an electronic ballast (HF), dual 2 x 58 W version,
   - for T5 tubes, an electronic ballast, dual 2 x 35 W version.
Canalis KDP, KBA and KBB
Busbar trunking for lighting and power socket distribution
Tap-off units

**Description**

IP55
Ue = 230...400 V

**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 609-2-1:
    - 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 SO5Z1Z1-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 SO5Z1Z1-F 3 x 1.5 mm² cable, 1 m long, pre-stripped on luminaire end,
2 for KDP, pre-wired with SO5Z1Z1-F 3 x 1.5 mm² cable, 1 m long and equipped with a female GST183 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).
**Canalis KDP, KBA and KBB**

Busbar trunking for lighting and power socket distribution

**Tap-off units**

**Description**

IP55

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

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**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/DCF26**

For tap-off and individual protection of luminaires assigned to two independent circuits of 4-conductor KBA trunking.

Identical in design to the tap-off units on the opposite page, but with factory-set polarity.

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**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 KBA, 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)

### Straight lengths

*IP55*

*Ue = 230...400 V*

Galvanised or RAL 9010 white

<table>
<thead>
<tr>
<th>Type of component</th>
<th>Trunking polarity</th>
<th>Length (m)</th>
<th>Number of tap-offs</th>
<th>Order in multiples (2)</th>
<th>25 A rating</th>
<th>Weight (kg)</th>
<th>40 A rating</th>
<th>Weight (kg)</th>
<th>Option(1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Straight length</td>
<td>3Ph + N + PE</td>
<td>6</td>
<td>KBA 25ED2300</td>
<td>KBA 40ED2300</td>
<td>2.400</td>
<td>2.700</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2</td>
<td>KBA 25ED2302</td>
<td>-</td>
<td>2.400</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>3</td>
<td>KBA 25ED2303</td>
<td>KBA 40ED2303</td>
<td>2.400</td>
<td>2.700</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>5</td>
<td>KBA 25ED2305</td>
<td>KBA 40ED2305</td>
<td>2.400</td>
<td>2.700</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2</td>
<td>KBA 25ED4200</td>
<td>-</td>
<td>1.900</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>3</td>
<td>KBA 40ED4203</td>
<td>KBA 40ED2203</td>
<td>1.700</td>
<td>1.700</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Straight length</td>
<td>3Ph + N + PE</td>
<td>3</td>
<td>KBA 25ED4300</td>
<td>KBA 40ED4300</td>
<td>2.600</td>
<td>3.100</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2</td>
<td>KBA 25ED4302</td>
<td>-</td>
<td>2.400</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>3</td>
<td>KBA 25ED4303</td>
<td>KBA 40ED4303</td>
<td>2.600</td>
<td>3.100</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>5</td>
<td>KBA 25ED4305</td>
<td>KBA 40ED4305</td>
<td>2.600</td>
<td>3.100</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>2</td>
<td>KBA 25ED4202</td>
<td>-</td>
<td>1.900</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>3</td>
<td>KBA 40ED4203</td>
<td>KBA 40ED4203</td>
<td>1.900</td>
<td>1.900</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Empty length</td>
<td></td>
<td>0</td>
<td>KBA 40EDA20</td>
<td>KBA 40EDA20</td>
<td>1.600</td>
<td>1.600</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(1) ● the two options may be combined. Add T and/or W to cat. no. Ex: KBA 25ED2303TW.
(2) Quantity may not be split.
Canalis KBA, 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)

Feed units (supplied with end cover)

<table>
<thead>
<tr>
<th>Designation</th>
<th>Rating (A)</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>25</td>
<td>Left</td>
<td>4</td>
<td>PG 16, Ø 15</td>
<td>KBA 25ABG4 0.200</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>25 or 40</td>
<td>Left</td>
<td>10</td>
<td>PG 21, Ø 19</td>
<td>KBA 40ABG4 0.400</td>
<td>■ ■</td>
</tr>
<tr>
<td></td>
<td>25 or 40</td>
<td>Right</td>
<td>10</td>
<td>PG 21, Ø 19</td>
<td>KBA 40ABD4 0.500</td>
<td>■ ■</td>
</tr>
</tbody>
</table>

Flexible lengths

<table>
<thead>
<tr>
<th>Designation</th>
<th>Mounting</th>
<th>Length (m)</th>
<th>Cat. no.</th>
<th>Weight (kg)</th>
<th>Option(1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flexible length</td>
<td>For elbows, changing levels, detours around obstacles, etc.</td>
<td>0.5</td>
<td>KBA 40DF405</td>
<td>0.050</td>
<td>■ ■</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td></td>
<td>KBA 40DF420</td>
<td>0.105</td>
<td>■ ■</td>
</tr>
</tbody>
</table>

(1) ■ the two options may be combined. Add T and/or W to cat. no. Ex: KBA 40ABG4TW.
**Catalogue numbers**

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

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**Canalis KBA, 25 and 40 A**
Busbar trunking for lighting and power socket distribution
Optional white-lacquered metal enclosure (code W)

---

### Fixing systems

<table>
<thead>
<tr>
<th>Designation</th>
<th>Mounting</th>
<th>Max. load (kg)</th>
<th>Order in multiples of</th>
<th>Cat. no.</th>
<th>Weight (kg)</th>
<th>Option(1)</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>KBA 40ZFU</td>
<td>0.050</td>
<td>-</td>
</tr>
<tr>
<td>Cable suspension system(1)</td>
<td>Universal fixing bracket and steel cable, 3 m long</td>
<td>60</td>
<td>10</td>
<td>KBA 40ZFSU</td>
<td>0.105</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Cable alone, 3 m long</td>
<td>60</td>
<td>10</td>
<td>KBB 40ZFS23</td>
<td>0.070</td>
<td>-</td>
</tr>
<tr>
<td>Spring fixing bracket(1)</td>
<td>Adjustable suspension for threaded rod, M6</td>
<td>50</td>
<td>10</td>
<td>KBA 40ZFU</td>
<td>0.100</td>
<td>-</td>
</tr>
<tr>
<td>Pigtail hook</td>
<td>Suspended by small chain</td>
<td>60</td>
<td>10</td>
<td>KBB 40ZFC</td>
<td>0.020</td>
<td>-</td>
</tr>
<tr>
<td>Raiser</td>
<td>For mounting on wall or false floor</td>
<td>60</td>
<td>10</td>
<td>KBB 40ZFMK</td>
<td>0.040</td>
<td>-</td>
</tr>
</tbody>
</table>

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

---

**Luminaire fixings**

<table>
<thead>
<tr>
<th>Designation</th>
<th>Mounting</th>
<th>Max. load (kg)</th>
<th>Order in multiples of</th>
<th>Cat. no.</th>
<th>Weight (kg)</th>
<th>Option(1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Universal fixing bracket</td>
<td>For direct suspension under trunking</td>
<td>60</td>
<td>10</td>
<td>KBA 40ZFU</td>
<td>0.050</td>
<td>-</td>
</tr>
<tr>
<td>Open hook</td>
<td>To suspend the luminaire</td>
<td>45</td>
<td>10</td>
<td>KBB 40ZFC5</td>
<td>0.050</td>
<td>-</td>
</tr>
<tr>
<td>Ring</td>
<td>Mounted on the luminaire</td>
<td>45</td>
<td>10</td>
<td>KBB 40ZFC6</td>
<td>0.050</td>
<td>-</td>
</tr>
</tbody>
</table>

(1) Option: Add W to cat. no. Example: KBA 40ZFUW.
Canalis KBA, 25 and 40 A
Busbar trunking for lighting and power socket distribution

### Catalogue numbers
- **Canalis KBA**: 25 and 40 A
- Busbar trunking for lighting and power socket distribution
- IP55
- **Ue**: 230...400 V
- Galvanised or RAL 9010 white

### KBA and VDI supports

<table>
<thead>
<tr>
<th>Designation</th>
<th>Rating (A)</th>
<th>Max. load (kg)</th>
<th>Mounting</th>
<th>Cat. no.</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>VDI support</td>
<td>40 to 160</td>
<td>60</td>
<td>Fixing for KBA + VDI cables + consolidation point</td>
<td>KFB SVDI</td>
<td>1.1</td>
</tr>
<tr>
<td>Intermediate VDI support</td>
<td>40 to 160</td>
<td>60</td>
<td>Fixing for KBA + VDI cables + consolidation point</td>
<td>KFB EVDI</td>
<td>0.5</td>
</tr>
</tbody>
</table>

### Accessories

#### Cable duct, support

<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><strong>KFB 25CD253</strong></td>
<td>Width 25 mm, length 3 m</td>
<td>6</td>
<td>KFB 25CD253</td>
<td>1.115</td>
</tr>
<tr>
<td><strong>KBB 40ZFG1</strong></td>
<td>Cable duct support to be mounted on a spring fixing bracket(1)</td>
<td>10</td>
<td>KBB 40ZFG1</td>
<td>0.100</td>
</tr>
<tr>
<td><strong>KBA 40ZFG2</strong></td>
<td>Cable duct support + intermediate support(2)</td>
<td>10</td>
<td>KBA 40ZFG2</td>
<td>0.200</td>
</tr>
<tr>
<td><strong>KBB 40ZFGU</strong></td>
<td>Cable bracket for adjacent circuits</td>
<td>20</td>
<td>KBB 40ZFGU</td>
<td>0.005</td>
</tr>
</tbody>
</table>

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

#### Other accessories

<table>
<thead>
<tr>
<th>Designation</th>
<th>Function</th>
<th>Colour</th>
<th>Order in multiples of</th>
<th>Cat. no.</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Outlet/tap-off unit</strong></td>
<td>Identification and mechanical interlocking between 1 to 3 different circuits</td>
<td>Blue</td>
<td>20</td>
<td>KBC 16ZL10</td>
<td>0.002</td>
</tr>
<tr>
<td><strong>KBB 40ZF GU</strong></td>
<td>Blanking plate: Restore IP55 on tap-off outlet if original blanking plate is lost</td>
<td>Red</td>
<td>20</td>
<td>KBB 16ZB1</td>
<td>0.005</td>
</tr>
<tr>
<td><strong>KBC 16ZL</strong></td>
<td>Cutting pliers: To cut steel cable used for cable suspension system</td>
<td></td>
<td>1</td>
<td>KBB 40FS</td>
<td>0.300</td>
</tr>
</tbody>
</table>
Canalis KBA, 25 and 40 A
Busbar trunking for lighting and power socket distribution

Ue = 230...400 V

IP20 industrial luminaires for T5/T8 fluorescent tubes (not supplied)

IP20 industrial luminaires
Pre equipped with 10 A tap-off unit with phase selection, pre-wired with S05Z1Z1 - F 3 x 1.5 mm².
Delivered with fixing bracket.

<table>
<thead>
<tr>
<th>Type of tube</th>
<th>Type of ballast</th>
<th>Mini. qty included</th>
<th>Power (W)</th>
<th>Cat. no.</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>T8</td>
<td>Compensated ferro-magnetic</td>
<td>30</td>
<td>2 x 58</td>
<td>KBL 258C</td>
<td>3.70</td>
</tr>
<tr>
<td></td>
<td>Electronic</td>
<td>30</td>
<td>2 x 58</td>
<td>KBL 258HF</td>
<td>3.00</td>
</tr>
<tr>
<td>T5</td>
<td>Electronic</td>
<td>30</td>
<td>2 x 35</td>
<td>KBL 235T5</td>
<td>2.80</td>
</tr>
</tbody>
</table>

KBL 258, KBL 258HF, KBL 234T5

IP20 high-intensity luminaires
Pre equipped with 10 A tap-off unit with phase selection, pre-wired with S05Z1Z1 - F 3 x 1.5 mm².
Delivered with fixing bracket.

<table>
<thead>
<tr>
<th>Type of tube</th>
<th>Type of ballast</th>
<th>Mini. qty included</th>
<th>Power (W)</th>
<th>Cat. no.</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>T5</td>
<td>Electronic</td>
<td>30</td>
<td>2 x 80</td>
<td>KBL 280T5</td>
<td>2.10</td>
</tr>
</tbody>
</table>

KBL 280T5
Canalis KBA, 25 and 40 A
Busbar trunking for lighting and power socket distribution

**Catalogue numbers**

**Dimensions**

$U_e = 230...400 \, \text{V}$

**Canalis**

**KBL**

**Schneider Electric**

### IP55 dust-proof and damp-proof fluorescent luminaires

- **DD210211** KBL 2 E IP55 polycarbonate dust-proof and damp-proof fluorescent luminaires
- Pre equipped with 10 A tap-off unit with phase selection, pre-wired with S05Z1Z1 - F 3 x 1.5 mm².
- Delivered with fixing bracket.

<table>
<thead>
<tr>
<th>Type of tube</th>
<th>Type of ballast</th>
<th>Min. qty included</th>
<th>Power (W)</th>
<th>Cat. no.</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>T8</td>
<td>Compensated ferro-magnetic</td>
<td>30</td>
<td>2 x 58</td>
<td>KBL 258CE</td>
<td>4.60</td>
</tr>
<tr>
<td>T5</td>
<td>Electronic</td>
<td>30</td>
<td>2 x 58</td>
<td>KBL 258HFE</td>
<td>3.80</td>
</tr>
<tr>
<td></td>
<td>Electronic</td>
<td>30</td>
<td>2 x 35</td>
<td>KBL 235T5E</td>
<td>3.80</td>
</tr>
</tbody>
</table>

**KBL 258E, KBL 258HFE, KBL235T5E**
Canalis KDP, KBA and KBB tap-off units
For lighting and power socket distribution

10 A tap-off unit, direct connection

<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>10</td>
<td>KBC 10DCS101</td>
<td>0.100</td>
<td></td>
</tr>
<tr>
<td>L2 + N</td>
<td>Yellow</td>
<td>10</td>
<td>KBC 10DCS201</td>
<td>0.100</td>
<td></td>
</tr>
<tr>
<td>L3 + N</td>
<td>Brown</td>
<td>10</td>
<td>KBC 10DCS301</td>
<td>0.100</td>
<td></td>
</tr>
</tbody>
</table>

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

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>
</tbody>
</table>

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 GST183 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>No</td>
<td>10</td>
<td>KBC 10DCC211</td>
<td>0.165</td>
<td></td>
</tr>
<tr>
<td>L1 + N or L2 + N or L3 + N</td>
<td>Yes(1)</td>
<td>10</td>
<td>KBC 10DCC21Z</td>
<td>0.165</td>
<td></td>
</tr>
</tbody>
</table>

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>

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

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Catalogue numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP55</td>
<td></td>
</tr>
<tr>
<td>U_e = 230...400 V</td>
<td></td>
</tr>
</tbody>
</table>

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

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>L1 + N or L2 + N or L3 + N</td>
<td>None</td>
<td>Single-circuit switching</td>
<td>Balancing on 3 phases or 3-circuit switching</td>
<td>Blue</td>
<td>10</td>
<td>KBC 16DCB21</td>
<td>0.090</td>
</tr>
<tr>
<td>Cylindrical fuse NF 8.5 x 31.5</td>
<td>16 A gG maximum (not supplied)</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>L1 + L2 or L1 + L3 or L2 + L3</td>
<td>None</td>
<td>Balancing on 3 phases without neutral</td>
<td></td>
<td>Yellow</td>
<td>10</td>
<td>KBC 16DCB22</td>
<td>0.090</td>
</tr>
<tr>
<td>Cylindrical fuse NF 8.5 x 31.5</td>
<td>16 A gG maximum (not supplied)</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>L2 + N2</td>
<td>None</td>
<td>2 single-phase circuits</td>
<td></td>
<td>Blue</td>
<td>10</td>
<td>KBC 16DCB226</td>
<td>0.090</td>
</tr>
<tr>
<td>Cylindrical fuse NF 8.5 x 31.5</td>
<td>16 A gG maximum (not supplied)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>L3 + N3</td>
<td>None</td>
<td>2 single-phase circuits</td>
<td></td>
<td>Blue</td>
<td>10</td>
<td>KBC 16DCB226</td>
<td>0.090</td>
</tr>
<tr>
<td>Cylindrical fuse NF 8.5 x 31.5</td>
<td>16 A gG maximum (not supplied)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Schneider Electric
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>3L + N</td>
<td>None</td>
<td></td>
<td>KBC 16DCB40</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>3L + N</td>
<td>NF 2P + E 10/16 A, 250 V</td>
<td>Cylindrical fuse NF 8.5 x 31.5 16 A gG maximum (not supplied)</td>
<td>KBC 16DCP1</td>
<td>0.090</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>VDE 2P + E 10/16 A, 250 V</td>
<td>Cylindrical fuse NF 8.5 x 31.5 16 A gG maximum (not supplied)</td>
<td>KBC 16DCP2</td>
<td>0.090</td>
<td></td>
</tr>
</tbody>
</table>

---

**Catalogue numbers**

**Dimensions**

IP55

Ue = 230...400 V
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>

KBC 16ZT1

KBC 16ZC1
Installation

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

**Installation of a line**

Unload and carry the products inside to a calm spot, where they are not exposed to dust or inclement weather.

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

Unpack and layout on the floor the trunking components required to mount the line. Make sure that the feed unit is on the end closest to the switchboard.

**Preparation of fixings**

Install the suspension cable around the I-beam and mount the adjustment fixture on the KBA 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.*
Installation

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

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

Preparation of a line segment on the floor

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

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 KBA lengths are positioned in the brackets.

The brackets lock when clipped closed.
Installation

**Canalis KBA, 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 KBA line**

The suspension system using a steel cable makes for easy and fast adjustments.

**Tap-off connections**

**Preparation of 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

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

Canalis KBA, 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 KBA feed unit, then to the switchboard.

Energise the system to check operation.
**Canalis KBA, 25 and 40 A**  
Busbar trunking for lighting and power socket distribution

Assembly of trunking components

**Installation**

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

---

**Assemble the straight lengths**

1. Connect the feed unit
2. Assemble the end cover

![Diagram showing assembly process](image-url)

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Click !

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DD210535  
DD210365  
DD210536
Installation

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

Fix Canalis KBA in the brackets

Mount the luminaires on the trunking

Connect the luminaires