iBusway for lighting management
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iBusway for lighting management
iBusway for lighting management

More comfort for users
A well-lit workstation directly affects the well-being of employees and their quality of work, not to mention safety.

And more energy efficient
Lighting management optimises the use of devices to achieve a significant reduction in electricity consumption.

35%
Proportion of a building’s energy consumption represented by lighting

20%
Potential savings from energy management

The perfect answer to your requirements
Our iBusway lighting management solutions provide the answer to your needs regardless of the type of building: the architectures are tried and tested.
Canalis lighting

A flexible, expandable busbar trunking system

- Canalis is a modular prefabricated busbar trunking system. It is the interface between the equipment and the products.

- It provides great flexibility and scalability thanks to the prefabricated tap-off system.

- The Canalis KBA and KBB ranges with option T are compatible with the DALI protocol.

A solution which is simple to implement

- It is a tried-and-tested solution: more than 70,000 km of Canalis busbar trunking has been installed across the world since 1954.

- Simply choosing a DALI-compatible KBA or KBB version and adding one or more DALI controllers in the switchboard results in a device ready for operation.

- Canalis busbar trunking is quick and completely safe to install. Connections are made without tools and are designed to avoid any risk of incorrect wiring.

Canalis lighting is a constantly evolving offer compatible with the most efficient lighting management systems.
A solution to suit everyone.

- Backnet link
- KNX DALI Modbus
- KNX DALI
- Stand alone

Building and room monitoring
Remote access
Lighting and room monitoring
Predictive maintenance
Location of luminaires
OF/SD status
Consumption measurement
Luminaire service life
Corrective maintenance
Ballast fault
Lighting scenarios
Constant luminosity management
Luminosity detection
Presence detection
Time planning
PB and IR control

Standard mode
Motion mode
Custom mode

Local management
Building Management System
Centralized management
3 levels to suit your requirements

Custom mode
This mode combines all the monitoring functions and allows comprehensive, complex management of small, medium-sized and large buildings.

Supervision
Consumption measurement
Fault identification
DALI monitoring

Lighting scenario
Zone programming
Constant luminosity
No programming?

Motion mode
The Argus 1/10 V and DALI detectors control the lighting sets via Canalis. This combination reduces wiring, limits risks of error and simplifies installation.

Pulse control
RF pushbutton
Time management/impulse relay

Standard mode
This is lighting management in standalone electronic mode. This mode combines the distributed layout of Canalis and the Argus range of detection products and a broad range of programmable clocks.
Both lighting management and control depend on the building type and spaces to be lit. Zoning makes it possible to manage different lighting levels in a single environment, room, open-plan office, traffic area, etc, according to need.

Hence the architectures offered in the luminaire control type section are not exclusive.

2 or 3 different types of control can be combined on one installation. Each type of control has one or more corresponding distribution and control architectures.

### Choice of management devices for energy savings and optimal comfort

<table>
<thead>
<tr>
<th>Products</th>
<th>Potential energy savings</th>
<th>Functions</th>
<th>Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Incandescent lamps</strong></td>
<td></td>
<td>Hourly, daily or weekly</td>
<td>See Note</td>
</tr>
<tr>
<td><strong>Fluorescent lamps</strong></td>
<td></td>
<td>Hourly, daily or weekly</td>
<td>1000 W</td>
</tr>
<tr>
<td><strong>High-intensity discharge lamps</strong></td>
<td></td>
<td>Hourly, daily or weekly</td>
<td>600 to 700 W</td>
</tr>
<tr>
<td><strong>LED lamps (unit power 2 to 8 W)</strong></td>
<td></td>
<td>Hourly, daily or weekly</td>
<td>15 to 50 W</td>
</tr>
<tr>
<td><strong>Electromechanical time switches</strong></td>
<td>50%</td>
<td>Daily, weekly or annual</td>
<td>1000 to 2600 W</td>
</tr>
<tr>
<td><strong>Digital programmable time switches</strong></td>
<td>50%</td>
<td>Daily, weekly or annual</td>
<td>1000 to 2300 W</td>
</tr>
<tr>
<td><strong>Light sensitive switch</strong></td>
<td>30%</td>
<td>Controlled by: :</td>
<td>2300 to 3600 W</td>
</tr>
<tr>
<td><strong>Timer</strong></td>
<td>30%</td>
<td>30 s to 1 h</td>
<td>2300 to 3600 W</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• 30 s to 1 h</td>
<td>Not recommended for time delays of less than one hour</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• 50% reduction of luminosity before extinction of incandescent lamps with PRE auxiliary</td>
<td>Not recommended for time delays of less than one hour</td>
</tr>
</tbody>
</table>

Note: IH/IHP/IC
To control lighting loads, whenever the power is significant and the type of lamp generates major inrush stress, it is recommended to combine a power actuator with each circuit:
- a contactor
- an impulse relay with its latched-type control auxiliary
- a Reflex iC60
or
- a RCA iC60 (low rate of switching)
Zoning solution using dimming control

Dimming control of lighting is the modulation of light intensity.

A number of solutions are available for this purpose:
> switching on one lamp out of two or three as needed
> using electronic ballasts which include the dimming function
> equipping the installation with luminosity detectors and time control.
Convenience store

Application example

Environment
A commercial surface such as a corner shop or convenience store less than 400 m² in area.

Lighting
One light in three on during delivery periods, fully lit when the shop is open to the public then lighting lowered again after closing, while the shop is being cleaned.

Architecture schemes:

In the example below the system can be used to control each zone independently and also to adapt the lighting level in stages and according to a time slot (by controlling luminaires in groups).

Zone 1 consists of groups of group A + group B + group C luminaires.

Zone 2 consists of groups of group D + group E + group F luminaires.

In the example below the system can be used to control each zone independently and also to adapt the lighting level in stages and according to a time slot (by controlling luminaires in groups).

Zone 1 consists of groups of group A + group B + group C luminaires.

Zone 2 consists of groups of group D + group E + group F luminaires.
Selecting the luminaire control type

Car park
Application example

Environment
A covered car park.

Lighting
Low-level lighting in the parking bays, brighter lighting in traffic areas and full brightness in pedestrian areas.

Architecture schemes:

Canalis lighting line

1. Secondary distribution board
2. Twilight sensor
3. Presence sensor
The iBusway for lighting management solution

Selecting the luminaire control type

The gym
Application example

Environment
A gym, community centre, covered courtyard, etc.

Lighting
In large open spaces with a good level of external light, the lighting level can be adjusted by a dimmer control. It is also possible to divide the surface area into halves or thirds depending on how the space is used.

Architecture scheme:

- Distribution switchboard
- Presence sensor
- Canalis lighting line
- Performa cable tray
- Low-power Canalis line (alternative in cable tray)
Zoning solution with two-way switch connector, impulse relay and RF connector

Zoning solutions with lighting function connectors have a wide range corresponding to the requirements of office applications.

They offer flexibility of installation when fitting out or reorganising office space. They fulfil basic functions such as time management, two-way switching, impulse relay, etc.

The functions fit in with the Canalis principle and are managed directly in the connector.
The SME
Application example

Environment
An SME, small-sized industrial firm, pharmacy, doctor’s surgery, etc.

Lighting
Lighting function connectors facilitate: the execution of a two-way switch in a meeting room, installation of a timer in a corridor, the availability of double switching in an office, etc.

Architecture scheme:
The iBusway for lighting management solution

Selecting the luminaire control type

Zoning solution with communication bus

The DALI protocol has been standardized by luminaire manufacturers for the interoperability of luminaire communication.

Electronic ballasts communicate in DALI via a communication bus and are controlled by the Building Management System.

Schneider Electric BMS systems such as SSL (Smart Structure Sight), spaceLYnk, Smart Panel, etc. optimize the potential of the infrastructure for energy savings and consumption management.
Open-plan office
Application example

Environment
Flexible office space (open-plan office).

Lighting
Due to the constant brightness function, the lux level for optimum working conditions is guaranteed. As and when the space is reorganised, it is easy to allocate a new control point for an office or put luminaires together to form a group. By connecting to the BMS, it is possible to create scenarios, control and supervise lighting points and monitor electricity consumption.

Architecture scheme:

1. KNX/LON pushbutton
2. KNX/LON light and presence sensor

Canalis KBA/KBB line
Powering luminaires equipped with DALI ballasts
Lighting distribution is a major challenge in the construction and refurbishment of commercial and industrial buildings. The choice of device is fundamental as it will have an effect on the building’s life cycle. Infrastructures must comply with existing requirements while being flexible, networked and smart. The Canalis concept is undoubtedly the best solution to meet the needs of today and the challenges of tomorrow.

**Product life cycle**

**Simple to estimate**

Designing Canalis installations is straightforward as there is no need to know the exact location, nor the power rating of the loads to be supplied. It is therefore very quick to cost the lighting and distribution functions. Moreover, Canalis’s flexibility means you can invest in existing needs without adversely affecting future expansion.

**Easy to install**

The compact nature of Canalis makes it easy to integrate in all parts of the building. Since it is based on a decentralised architecture, Canalis can be installed at the same time as the building is being built, which optimises site construction schedules. Because of the delayed differentiation linked to the Canalis architecture, new constraints can be taken into account without adding to the installation time.

**Controlling costs**

The Canalis ranges are factory-tested, which ensures a very high level of quality on site and considerably improves the success of site acceptance tests.

**Practical to recycle**

Over the last 10 years, recycling has become a major challenge for industry. The composition of Canalis ranges guarantees a 95% recycling rate. But the Canalis offers go one better... if a site is being restructured or enlarged, the products can simply be removed and reinstalled in their new environment.

**Simple to maintain**

No maintenance is required on the Canalis contacts. The clarity of the Canalis architecture simplifies building maintenance and upgrades:

- enlarging office space,
- adding check-outs in a supermarket...

Decentralised distribution ensures continuity of service; when associated with a 100% maintained or non-maintained supply, the essential functions are guaranteed:

- maintaining the cold chain in a hypermarket,
- lighting system in a car park...
## Prefabricated busbar trunking

### Canalis KBA and KBB: busbar trunking for lighting and low-power loads

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated current</td>
<td>25 or 40 A</td>
</tr>
<tr>
<td>Degree of protection</td>
<td>IP55, halogen-free, RoHS compliant, sprinkler test certified</td>
</tr>
<tr>
<td>Number of live conductors</td>
<td>2 to 4 for KBA and 2 to 8 for KBB</td>
</tr>
<tr>
<td>Element lengths</td>
<td>2 and 3 m</td>
</tr>
<tr>
<td>RAL 9003 straight lengths with outlets at regular intervals</td>
<td>(0.5 m to 1.5 m)</td>
</tr>
<tr>
<td>Flexible lengths</td>
<td>(0.5 m to 2 m)</td>
</tr>
<tr>
<td>Tap-off units</td>
<td>10 and 16 A</td>
</tr>
<tr>
<td>Maximum distance between fixing points</td>
<td>3 m for KBA, 5 m for KBB</td>
</tr>
<tr>
<td>DALI certified control bus</td>
<td></td>
</tr>
</tbody>
</table>
The iBusway for lighting management solution

Selecting the busbar trunking and fixing type

Busbar trunking selection table

<table>
<thead>
<tr>
<th>Installation type</th>
<th>Criteria</th>
<th>BTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Without luminaire support</td>
<td>single circuit</td>
<td>KBA</td>
</tr>
<tr>
<td></td>
<td>twin circuit</td>
<td>KBB</td>
</tr>
<tr>
<td>With luminaire support</td>
<td>weight: + 30 kg every 3 m</td>
<td>KBB</td>
</tr>
<tr>
<td></td>
<td>weight: - 30 kg every 3 m</td>
<td>KBA</td>
</tr>
<tr>
<td></td>
<td>fixing distance &gt; 3 m</td>
<td>KBB</td>
</tr>
<tr>
<td></td>
<td>fixing distance &lt; 3 m</td>
<td>KBA</td>
</tr>
<tr>
<td></td>
<td>single circuit</td>
<td>KBA</td>
</tr>
<tr>
<td></td>
<td>twin circuit</td>
<td>KBB</td>
</tr>
</tbody>
</table>

Fixing systems

<table>
<thead>
<tr>
<th>Fixing</th>
<th>KBA</th>
<th>KBB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hanging supports</td>
<td>ZFPU</td>
<td>ZFPU</td>
</tr>
<tr>
<td>Rigid</td>
<td>ZFSUW, ZFC</td>
<td>ZFSUW, ZFC</td>
</tr>
<tr>
<td>Flexible</td>
<td>ZFUW</td>
<td>ZFUW</td>
</tr>
<tr>
<td>Fixings</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ceiling fixing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Suspended ceiling fixing</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

KBA40ZFSUW
KBA40ZFUW
KBA40ZFPU
KBA40ZFC
KBB40ZFC

KBA40ZFSUW
KBA40ZFUW
In a supermarket, we recommend installing a KBB with a KBC10DCC211 connector and KBB40ZFSUW fixings.

Application example
Each installation is unique, which is why the "iBusway for lighting management" solution has 3 offer levels to match your requirements as closely as possible.

### 3 solution levels

**Standard, Motion and Custom modes**, depending on the functions available.

- Supervision
- Consumption measurement
- Lighting scenarios
- Zone programming
- Fault identification
- DALI monitoring
- Pulse control
- RF pushbutton
- Time management/impulse relay
- Two-way switch
- Switch

<table>
<thead>
<tr>
<th>Standard mode</th>
<th>Motion mode</th>
<th>Custom mode</th>
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<td>Consumption measurement</td>
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<td>Zone programming</td>
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<tr>
<td>Pulse control</td>
<td>RF pushbutton</td>
<td>Time management/impulse relay</td>
</tr>
<tr>
<td></td>
<td>Two-way switch</td>
<td>Switch</td>
</tr>
</tbody>
</table>
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The iBusway for lighting management solution

Choix du niveau de solution
The iBusway for lighting management solution

Selecting the solution level

**Standard mode**

The first level of the iBusway for lighting management solution incorporates the main lighting management functions.

A distinction is made between lighting management functions linked to Canalis and those in an enclosure. Canalis offers a wide choice of connectors dedicated to switching on and off: two-way switches, 1-pole and 2-pole one-way switches and timers. Combined with a simpler terminal power supply connector, these functions are remotely located in the electrical switchboard.

NB: The main control switch controls all the distribution circuits simultaneously. This configuration applies to the switch, time management/timer and sensing functions. These functions can be combined according to the application.

---

**Switch function**

1. **Protection**: 2P iC60N and 1P iC60N circuit-breakers
2. **Contactor**: 1-ph iCT
3. **Timer**: MINs

**Time management function**

4. **Auxiliary**: iACTp interference filter
5. **Pushbutton**: Odace type
6. **Movement sensor**: Argus
7. **Canalis**: KBB type

---
Selecting the solution level

Canalis connector with **built-in lighting** function

Functions available

1. Protection: 4P iC60N circuit-breaker
2. Canalis: KBB type

1. **1-circuit switch**
   - KBC10DSA2** connector

2. **2-circuit switch**
   - KBC10DDA2** connector

3. **Two-way switch**
   - KBC10DVF2** connector

4. **Timer**
   - KBC10DMT2** connector

Diagram showing L1, L2, L3, N, PE connections and the connector layout.
Selecting the solution level

Motion mode

The standalone electronic lighting management level combines the advantages of the Canalis lighting range with the extensive choice of switchgear in the Argus range.

Broadcast 1-10 V or DALI sensors are attached directly on the busbar trunking or are simply connected to it as required.
Option T from the KBA and KBB ranges makes it easy to connect sensors.

Description of on/off switch

- Sensors installed on or near the busbar trunking send the lighting instruction when movement is detected. When the monostable reaches its travel limit and no new instruction has been sent, the sensor sends the switch-off instruction.
- There are two categories of sensors: masters and slaves. A master sensor interacts with 10 slaves, which offers wide coverage and optimum usage.
- Information transfers are circulated uniformly to all the ballasts connected to the master sensor’s network. Similarly, it is possible to force the sensor setpoint by adding a pushbutton.

Description of on/off switch plus dimming

- Assigning a light threshold to Argus sensors is extremely simple and involves no programming. It is then easy to provide so-called constant brightness installations or even modulate the lighting level according to use.
- 1-10 V or DALI sensors circulate the setpoint to the ballasts and, just like for the switch-on/off function, it is possible to add a pushbutton which forces the lighting level.

Description of time management

- The contactor allows the various clocks to operate on installations with current higher than 16 A and thus makes them compatible with all the Canalis lighting range.
The iBusway for lighting management solution

Selecting the solution level

Dimming function

1. Protection: 2P iC60N circuit-breaker
2. Movement sensor: Argus
3. Electronic ballast
4. Canalis: KBA option T

* PlusLink.
The iBusway for lighting management solution

Selecting the solution level

**Custom mode**

This mode fits in with a Smart Panel or Building Management System environment thanks to the spaceLYnk multi-protocol platform.

All the data from the luminaires and DALI/KNX gateways is concentrated in the spaceLYnk, which controls monitoring and supervision of the installation.

The interface allows the user to view energy consumption, building monitoring and maintenance data. Local or remote access via a computer, smartphone or tablet enables appropriate action to be taken immediately.

---

**Mobile access**

Thanks to the web-based interface all building functions can be monitored and controlled via Laptop, Tablet PC and Smartphone. This way all functions can be tracked from everywhere, whether the maintenance manager is on site or not.

---

**Metering at a glance**

Current water, gas and electricity consumption can be checked as well as date recorded on a daily, monthly and yearly basis. Comparison charts with historical data help to identify saving potentials and show abnormal consumption.

---

**Good overview and intuitive operation**

All settings, whether on floors or in single rooms, can intuitively be controlled and adapted thanks to plain icons.

---

**Maintenance information**

All maintenance information (e.g. status or lifetime of lamps) can be displayed. Alarms will bring malfunctions, like broken lamps, to the maintenance managers attention. This makes it easy and time-saving to plan as well as to realise the maintenance works where necessary.

---

**Schedule**

Schedules for all building functions can be set thanks to the integrated time scheduler/calender function.

---

**All information visible at one sight**

All building functions can be controlled and managed via one interface.
Selecting the solution level

Centralized management function

Space LYnk dashboard

Ethernet TCP/IP

Metering & Breakers status
(& load control)

Modbus

Light & Room control

1. Space LYnk
2. Acti9 Energy meter
3. Blinds & Shutters actuator
4. Push-Button
5. Remote
6. Presence detector with automatic lighting control
7. Push-Button
8. Push-Button with temperature control
9. Acti9 SmartLink
10. Switch actuator
11. Fan-Coil actuator (heating & cooling control)
12. DALI gateway
13. Thermal valve drive
14. Acti9 IP SmartLink

Feed unit
Clamp
Electronic ballast
Connector: KBC16DCS..•••T type
Canalis: KBB option T
# The iBusway for lighting management solution

## Tables of references

### Standard mode

**Line components**

<table>
<thead>
<tr>
<th>Description</th>
<th>Polarity</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>25 A straight length</td>
<td>3L+N+PE</td>
<td>KBA25ED4503W</td>
</tr>
<tr>
<td>40 A feed unit</td>
<td>3L+N+PE</td>
<td>KBA40ABG4W</td>
</tr>
<tr>
<td>40 A flexible length</td>
<td>3L+N+PE</td>
<td>KBA40DF4••W</td>
</tr>
<tr>
<td>KBA fixing bracket</td>
<td>-</td>
<td>KBA40ZFUW</td>
</tr>
<tr>
<td>25 A straight length</td>
<td>2x3L+N+PE</td>
<td>KBB25ED44305W</td>
</tr>
<tr>
<td>40 A feed unit</td>
<td>2x3L+N+PE</td>
<td>KBB40ABG44W</td>
</tr>
<tr>
<td>40 A flexible length</td>
<td>2x3L+N+PE</td>
<td>KBB40DF4•••W</td>
</tr>
<tr>
<td>KBB fixing bracket</td>
<td>-</td>
<td>KBB40ZFUW</td>
</tr>
</tbody>
</table>

**Standard connectors**

<table>
<thead>
<tr>
<th>Description</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-phase connector with phase selector</td>
<td>KBC10DCB20</td>
</tr>
<tr>
<td>Single-phase pre-wired connector</td>
<td>KBC10DCS•••</td>
</tr>
</tbody>
</table>

**Connectors with lighting function**

<table>
<thead>
<tr>
<th>Description</th>
<th>Référence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connector for two-way switch</td>
<td>KBC10DVV2•</td>
</tr>
<tr>
<td>Connector for timer</td>
<td>KBC10DMT2•</td>
</tr>
<tr>
<td>Connector for 1-pole switch</td>
<td>KBC10DSA2•</td>
</tr>
<tr>
<td>Connector for 2-pole switch</td>
<td>KBC10DDA2•</td>
</tr>
<tr>
<td>RF connector</td>
<td>KBC06DCERF•</td>
</tr>
</tbody>
</table>

**Electrical switchboard components**

<table>
<thead>
<tr>
<th>Description</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>1P IC60N circuit-breaker</td>
<td>A9F7xxxx</td>
</tr>
<tr>
<td>2P IC60N circuit-breaker</td>
<td>A9F772xx</td>
</tr>
<tr>
<td>1-ph iCT contactor</td>
<td>A9F774xx</td>
</tr>
<tr>
<td>Timer</td>
<td>CCT1523xx</td>
</tr>
<tr>
<td>Movement sensor</td>
<td>MTN564419</td>
</tr>
<tr>
<td>Pushbutton</td>
<td>Odace BP</td>
</tr>
<tr>
<td>iACTp interference filter</td>
<td>A9C15920</td>
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</tbody>
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## Motion and Custom Modes

### Line components

<table>
<thead>
<tr>
<th>Description</th>
<th>Polarity</th>
<th>Attributes</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>25 A straight length</td>
<td>3L+N+PE+ option T</td>
<td>3 m/3 outlets</td>
<td>KBA25ED4303TW</td>
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<tr>
<td>25 A feed unit</td>
<td>3L+N+PE+ option T</td>
<td>-</td>
<td>KBA40ABG4TW</td>
</tr>
<tr>
<td>KBA mounting bracket</td>
<td>-</td>
<td>-</td>
<td>KBA402FU</td>
</tr>
<tr>
<td>FLEXIBLE LENGTH</td>
<td>4P</td>
<td>50 cm</td>
<td>KBA40DF405TW</td>
</tr>
<tr>
<td>25 A straight length</td>
<td>2x3L+N+PE+ option T</td>
<td>3 m/5 outlets/1 bus</td>
<td>KBB25ED4303TW</td>
</tr>
<tr>
<td>40 A straight lengths</td>
<td>2x3L+N+PE+ option T</td>
<td>3 m/5 outlets/2 buses</td>
<td>KBB40ED4405T2W</td>
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<tr>
<td>40 A feed unit</td>
<td>2x3L+N+PE+ option T</td>
<td>1 bus</td>
<td>KBB40ABG44TW</td>
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<tr>
<td>KBB fixing bracket</td>
<td>-</td>
<td>-</td>
<td>KBB402FU</td>
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### Motion mode connectors

<table>
<thead>
<tr>
<th>Description</th>
<th>Polarity</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connector for Argus slave sensor</td>
<td>L+N+PL+PE</td>
<td>KBC16DCS402</td>
</tr>
<tr>
<td>Connector for Argus master sensor</td>
<td>L+N+PL+PE+(D+/D-)</td>
<td>KBC16DCS1202T ou KBC16DCS1302T</td>
</tr>
<tr>
<td>Connector for luminaires</td>
<td>L+N+PE+(D+/D-)(2)</td>
<td>KBC16DCS101T / KBC16DCS102T</td>
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</table>

### Custom mode connectors

<table>
<thead>
<tr>
<th>Description</th>
<th>Polarity</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connector for luminaires</td>
<td>L+N+(D+/D-)(2)</td>
<td>KBC16DCS101T / KBC16DCS102T / KBC16DCS201 / KBC16DCS202T / KBC16DCS301 / KBC16DCS302T</td>
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</table>

### Sensors

<table>
<thead>
<tr>
<th>Description</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Argus master DALI sensor</td>
<td>MTN5510-1519 / MEG5185-0000+MEG5522-0019(3)</td>
</tr>
<tr>
<td>Argus master 1-10 V sensor</td>
<td>MTN5510-1419 / MEG5180-0000+MEG5522-0019(3)</td>
</tr>
<tr>
<td>Argus slave 1-10 V sensor</td>
<td>MTN5570-1019 / MEG5190-0000+MEG5522-0019(3)</td>
</tr>
<tr>
<td>KNX sensor</td>
<td>MTN630719</td>
</tr>
<tr>
<td>Movement sensor</td>
<td>MTN564419</td>
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### Motion mode switchboard components

<table>
<thead>
<tr>
<th>Description</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>1P or 2P iC60N circuit-breaker</td>
<td>A9F7xxxx</td>
</tr>
<tr>
<td>iCT 1-ph contactor</td>
<td>A9F774xx</td>
</tr>
<tr>
<td>Timer</td>
<td>CCT1523xx</td>
</tr>
<tr>
<td>Artec pushbutton</td>
<td>MTN628419 +MTN481119</td>
</tr>
<tr>
<td>iACTp interference filter</td>
<td>A9C15920</td>
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<tr>
<td>iEM3155 energy meter</td>
<td>A9MEM3155</td>
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### Custom mode switchboard components

<table>
<thead>
<tr>
<th>Description</th>
<th>Reference</th>
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</thead>
<tbody>
<tr>
<td>KNX power supply</td>
<td>MTN684064</td>
</tr>
<tr>
<td>USB interface</td>
<td>MTN681829</td>
</tr>
<tr>
<td>DALI/KNX gateway</td>
<td>MTN67256-0001</td>
</tr>
<tr>
<td>spaceLYnk</td>
<td>LSS100200</td>
</tr>
</tbody>
</table>

---

(1) PL: PlusLink, non-energized common phase, allowing communication between sensors and masters.  
(2) D+/D-: ± phase for connection to the DALI bus.  
(3) Reference for Germany, Austria and Denmark.
"Best in Class"
Schneider Electric products

Argus presence sensor
Argus light-sensitive switch
Acti9 circuit-breaker

SmartLink
DALI/KNX and DALI-LON gateway
Canalis KBC 10 DMT, DVV, DSA, DSD connector

Reflex circuit-breaker
Time switch
spaceLYnk
Canalis tools and services

Applications
Canalis
> Download the app from the Apple Store
> Download the app from the Google Play Store

Canalis & Argus
> Download the app from the Apple Store
> Download the app from the Google Play Store

Solution for Data Center

iBusway for Data Center catalogue
> DEBU028EN
iBusway for Data Center brochure
> DEBU027EN

Solution for lighting management

iBusway for lighting management: Canalis-DALI technical installation guide
> DEBU032EN
Catalogue 20 to 1000 A
> DEBU022EN
iBusway for lighting management brochure
> DESWED112002EN
Lighting technical guide
> A9GT15EC

Application sheets/Technical guides

In cruise ships
> DESWED105014EN
In livestock production buildings
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