

Canalis®

In small industrial units



Application datasheet

Prefabricated Busbar trunking systems

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Life Is On

Schneider
Electric

A comprehensive offer

The ideal solution for your electrical installations



- Canalis is part of a comprehensive offer of products that are perfectly coordinated to meet all medium and low voltage electrical distribution requirements. All of these products have been designed to work together: electrical, mechanical and communication compatibility.
- The electrical installation is thus both optimised and has improved performance:
- better service continuity,
- increased personnel and equipment safety,
- guaranteed upgradeability,
- efficient monitoring and control.
- You therefore have all the advantages at hand in terms of know-how and creativity for achieving optimised, safe, upgradeable and compliant installations.

Schneider Electric products

Prefabricated busbar trunking systems

Canalis KBA



Canalis KBA: rigid busbar trunking

Nominal current 25 or 40 A.

2 to 4 live conductors

Tap-off points every 0.5 to 1.5 metres.

Tap-off connectors: 10 and 16 A.

Degree of protection IP55 and Sprinkler test certified.

Canalis KN



Canalis KN: rigid busbar trunking

Nominal current: 40 to 160 A.

4 live conductors.

Tap-off connectors and units: 16 to 63 A.

Tap-off points every 0.5 or 1 metre.

Degree of protection IP55.

Canalis KS



Canalis KS: rigid busbar trunking

Nominal current 100 to 1000 A.

4 live conductors

Tap-off points every 0.5 or 1 metre on each side.

Tap-off connectors and units: 25 to 400 A.

Degree of protection IP55.

Electrical switchboards



Prisma Plus cubicle Prisma Plus enclosure

Prisma Plus cubicle: main switchboard

Rated operational current I(e) at 40°C: 4000 A

Permissible short-term rated current I_{cw}: 100 kA rms/1s.

Degree of protection IP30 to IP55

Prisma Plus enclosures: subdistribution switchboards

Rated operational current I(e) at 40°C: 630 A.

Permissible short-term rated current I_{cw}: 25 kA rms/1s; I_{sc}: 50 kA

Degree of protection IP30 to IP55.

Your needs

For new constructions, upgrading or rehabilitation car garages, car dealers, etc.

Lighting



- Ensure sufficient lighting to carry out the various tasks. The level of illumination required may vary greatly according to the detail of the work performed and the size of the parts handled.



Supplying moving loads



- Supply a variety of equipment: compressors, balancing machines, handheld tools, inspection instruments, etc.
- Frequent additions to or modifications of this equipment.
- Continuous re-implementation of equipment.



Supplying fixed loads



- Supply fixed production machinery, lifting apparatus and ventilation systems



Our Solutions

- **The advantages of a range based on 30 years' experience**
- **Upgradeable:** very easy addition of components and modification of network, to allow for changes in installation and new equipment.
- **Continuity of supply:** simplified maintenance allowing addition, displacement and replacement of live loads, without interfering with the activity.



Canalis KBA supports and supplies light fittings. It satisfies the following needs:

- Compliance with deadline: installation mounting time is cut by 3.
- Cost reduction: lighting management depending on the activity.

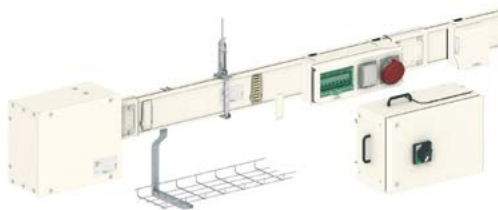
With Canalis, the installation is easily upgraded over time.

Moreover, you can modify the illumination levels in event of operating change.



Use of Canalis KN allows:

- In-depth modification of the installation. Addition or removal of loads takes place with power on, without requiring additional cables to be laid.
- The new offer of enclosures equipped with power sockets ensures rapid connection of tools equipped with standard sockets.



Canalis KS allows:

- Cabling times to be cut by 3.
- Replacement of faulty equipment with power on without disturbing the rest of the installation.
- Guaranteed reliability of connections thanks to elastic contacts.

Application Example

A car garage

Specific features

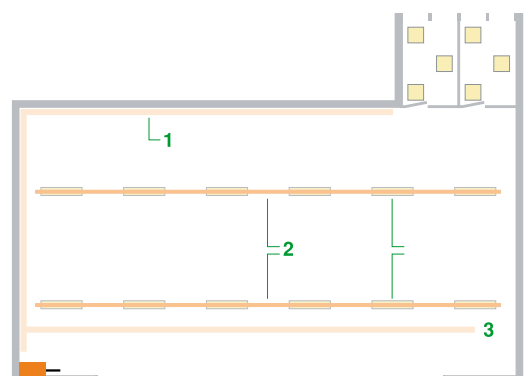
- Surface 200 m² (20 m x 15 m)
- Loads:
 - 33 vehicle lifts,
 - 1 compressor,
 - 1 balancing machine,
 - hand-held tools,
 - two lighting lines using fluorescent tubes.

Equipment installed

- In power distribution:
 - 1 x 15 metre KS line (3)
 - 1 x 30 metre KN line (1), wall-mounted, with 10 single-phase enclosures, 3 three-phase enclosures and 5 power socket enclosures.
- In lighting:
 - 2 x 18 metre KBA lighting lines (2) each equipped with six 2 x 58 W industrial KBL light fittings.

The Canalis advantages

- Thanks to its modularity, Canalis adapts to the garage's infrastructure. It ensures with ease production of optimum lighting exactly at the point required.
- The installation is upgradeable and allows for re-arrangements inside the garage or simply the needs of progressive investment.
- Maintenance is simplified: faulty lamps can be replaced with power on and at any time.
- Mounting times are cut by 3 with KBA lines, and by 2 for lighting as a whole.
- Running time greater than 10 years for all busbar trunking.



■ Prisma Plus System G Electrical distribution switchboard

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We provide **energy and automation digital** solutions for **efficiency and sustainability**. We combine world-leading energy technologies, real-time automation, software and services into integrated solutions for Homes, Buildings, Data Centers, Infrastructure and Industries.

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