

Prefabricated busbar trunking

Canalis[®] KN and KS

Power distribution up to 1000 A



An electrifying
new repertoire



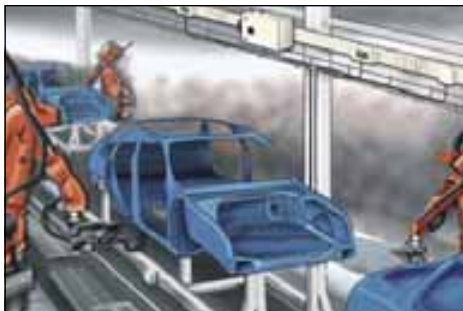
Taking power where you need it, throughout the installation

Designed for all types of building

Its high protection index (IP55) means that even when installed vertically, Canalis is protected against splashing, dust and sprinklers... Its robust design (IK08) and its white colour allow it to be perfectly integrated into your working environment, whether in the tertiary sector or in industry (e.g. manufacturing plants, exhibition halls, supermarkets, workshops, etc.).

Light and easy to handle

With aluminum conductors, that are 40% lighter than copper, Canalis is very easy to install and greatly reduces fitting times.



Excellent contacts

The silver-plated copper/ silver-plated copper contact performance levels have a life-time guarantee and use "Copral inside" technology.

Maintenance-free

Each component is checked in the factory to guarantee the quality and reliability of the installation. All of the contact clips are life-time lubricated and require no maintenance.



Canalis is in conformity with standard IEC 439-2

Ensuring that your installation meets standard IEC 364. This distribution system is factory-tested to ensure the coordination of protection devices, from the MV/LV transformer through to the power sockets. Its stated performance levels are guaranteed by Schneider Electric.

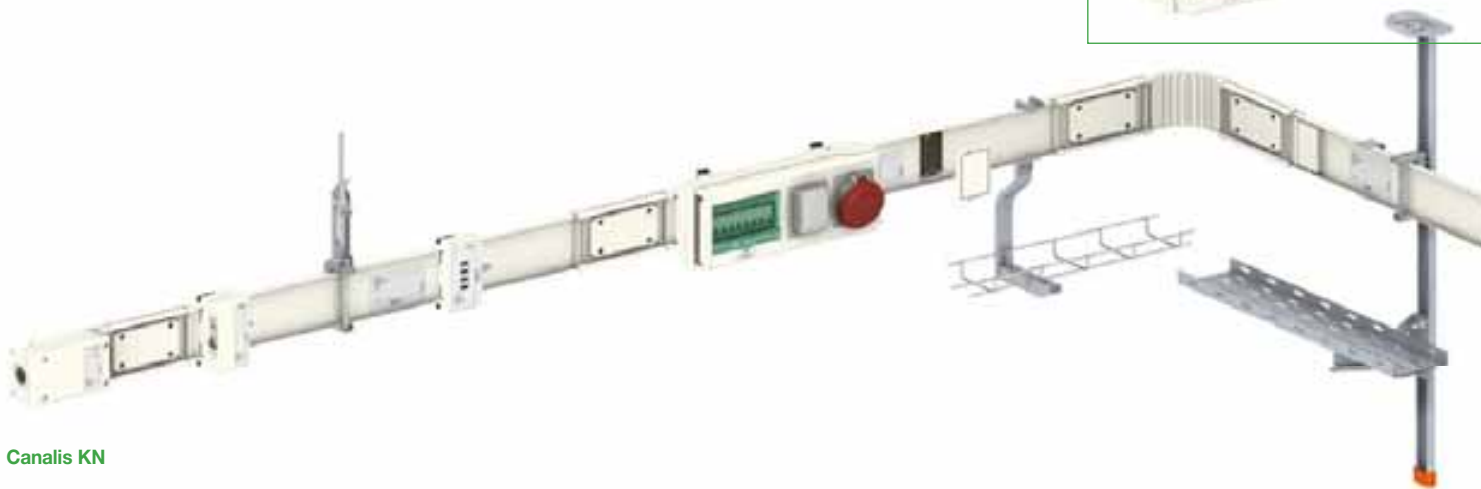
Canalis KN and KS: power distribution

Outstanding upgradeability.

Branching points every 0.5 meters making it possible to install a feeder right where it is needed. The operation is possible live and without interruption.

A range of light, strong and stylish units...

To protect circuit breakers or fuses.



Canalis KN

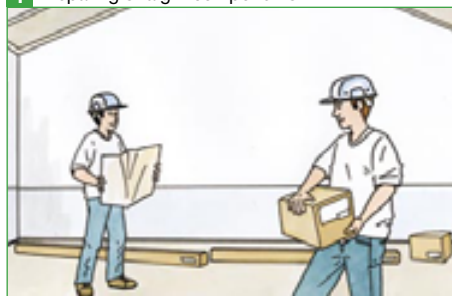


Canalis KS

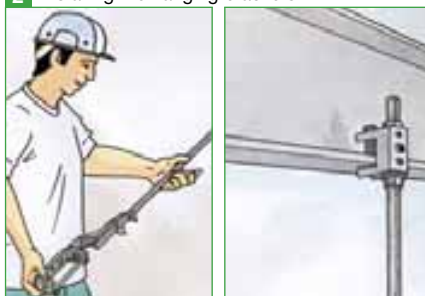
Installation

A modular system for simple and upgradeable installation

1 Preparing straight components



2 Installing the hanging brackets



3 Installing the busbar trunking and level adjustment without tooling



**... pre-equipped
or customizable**

For domestic or industrial power sockets compatible with the Merlin Gerin PK range.



**... for smart
electrical
distribution**

Installation monitoring to avoid overloads.
Metering for better consumption management.

For absolute safety:

A fool-proofed system avoids a unit being installed or removed when under load.
Live parts are totally inaccessible for complete operator safety.



Technical characteristics

Length of busbar trunking components:
Rated busbar trunking current:
Rated tape off units current:
Rated insulation voltage:
Number of conductors:
Protection index:
Surface treatment:

KN

1.5m and 3m
40 to 160A
16 to 63A
500V
4+PE
IP55
White Ral 9001

KS

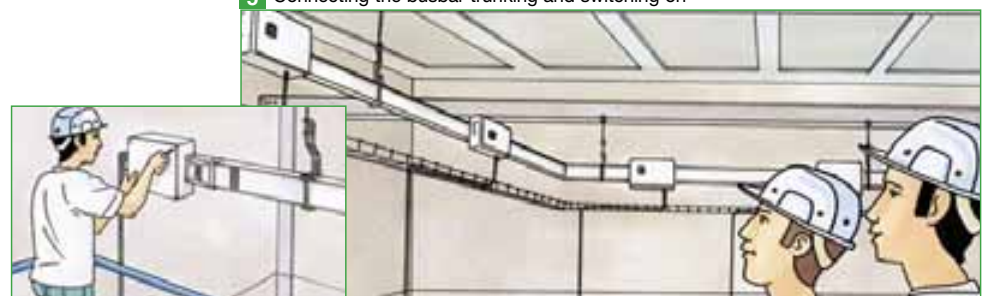
3 and 5m
100 to 1000A
25 to 400A
690V
4+PE
IP55
White Ral 9001



4 Installing a connection box



5 Connecting the busbar trunking and switching on



Canalis KS: riser ducting



Power distribution at every floor in complete safety...

Tested in approved laboratories with numerous accreditations (Bureau Veritas, ASEFA, Lloyd's, etc.) Canalis is suitable for multi-storey buildings (office buildings, hospitals, car parks, cruise liners, etc.).



... even in the event of fire

The new Canalis range provides even better protection of people and property. The busbar trunking is halogen-free, the materials are self-extinguishing and the heat capacity in the event of fire is 10 times less than that of a cabled network. Fire-break components hinder flame propagation.



Easy installation in confined spaces

Canalis enables significant space savings to be made compared to cables in technical ducts where space is usually limited. Designed to provide very easy access for load lifts and stairwells, all of the components are automatically aligned on assembly due to the smart clip system.



Highly flexible

The riser ducting components have 3 or 4 tap off units per floor, providing spare points for future developments.

A comprehensive offer

A new path for achieving 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.

Canalis busbar trunking

Lighting distribution

Canalis KBA/KBB (supports light fittings)

Rated service current: 25 and 40 A

Protection index: IP 55

Canalis KBX (lighting duct)

Rated service current: 25 A

Protection index: IP 20

Canalis KDP (flexible busbar trunking)

Rated service current: 20 A

Protection index: IP 55

Power distribution

Canalis KN for low power

Rated service current: from 40 to 160 A

Protection index: IP 55

Canalis KS for medium power

Rated service current: from 100 to 1000 A

Protection index: IP 55

Current transmission

Canalis KT for high power

Rated service current: from 1000 to 5000 A

Protection index: IP 55

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This document has been printed
on ecological paper

Creation: Pema-Cohérents
Illustrations: Schneider Electric
Printed by: