



### Main

Range of product	Canalis
Product name	KN
Product or component type	Busbar trunking
Busbar description	Distribution length
Device application	Low power distribution
[Ie] rated operational current	100 A at 35 °C
Busbar trunking polarity	3L + PEN 3L + N + PE
Number of tap-off outlets	3
Length	3 m

### Complementary

[Ue] rated operational voltage	230...500 V
Network frequency	50/60 Hz
[Uimp] rated impulse withstand voltage	6 kV
[Ui] rated insulation voltage	500 V
[Icw] rated short-time withstand current	2.8 kA
[Ipk] rated peak withstand current	14 kA
Electrical connection	Lubricated sliding contact
Radiated magnetic field	0.106 µT
Thermal stress limit	8000 kA².s
THDI	0...15 % 100 A 15...33 % 80 A 33...100 % 63 A
Maximum voltage drop	<0.088 V with power factor = 1 at 50 Hz with 1A for 100 m long <0.089 V with power factor = 0.9 at 50 Hz with 1A for 100 m long <0.084 V with power factor = 0.8 at 50 Hz with 1A for 100 m long <0.077 V with power factor = 0.7 at 50 Hz with 1A for 100 m long
Mounting mode	By screws

Neutral position	Up
Number of circuits	1
Control type	Communicating
Standards	IEC 61439-6 IEC 60439-2
Width	92 mm
Depth	27.5 mm
Colour	White (RAL 9001)
Net weight	6.7 kg

## Environment

IP degree of protection	IP55 conforming to IEC 60529
IK degree of protection	IK08 conforming to IEC 62262
Ambient air temperature for operation	0...35 °C (100 % of In) 35...40 °C (97 % of In) 40...45 °C (94 % of In) 45...50 °C (91 % of In) 50...55 °C (87 % of In)

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a> Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Halogen content performance	Halogen free product

## Contractual warranty

Warranty	18 months
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