

Product datasheet

Specifications

STRAIGHT LENGTH100 A

Local distributor code:

385364966

KNA100ED4303



EAN Code: 3606480003059

Main

Range of product	Canalis
Product name	KN
Product or component type	Straight 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	1.4 kA
[Ipk] rated peak withstand current	14 kA
Electrical connection	Lubricated sliding contact
Radiated magnetic field	0.106 μ T
Thermal stress limit	1980 kA ² .s
THDI	0...15 % 100 A 15...33 % 80 A 33...100 % 63 A
Maximum voltage drop	<0.191 V with power factor = 1 at 50 Hz with 1A for 100 m long <0.181 V with power factor = 0.9 at 50 Hz with 1A for 100 m long <0.165 V with power factor = 0.8 at 50 Hz with 1A for 100 m long <0.149 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	Without
Standards	IEC 61439-6
Width	92 mm
Depth	27.5 mm

Colour	White (RAL 9001)
Net weight	7.3 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)

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.0 cm
Package 1 Width	10.1 cm
Package 1 Length	310.0 cm
Package 1 Weight	5.0 kg
Unit Type of Package 2	BB1
Number of Units in Package 2	4
Package 2 Height	9.7 cm
Package 2 Width	15.5 cm
Package 2 Length	314 cm
Package 2 Weight	21 kg
Unit Type of Package 3	PAL
Number of Units in Package 3	48
Package 3 Height	43.7 cm
Package 3 Width	64 cm
Package 3 Length	320 cm
Package 3 Weight	272 kg

Logistical informations

Country of origin	FR
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Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



Environmental footprint

[Environmental Disclosure](#)

[Product Environmental Profile](#)

Use Better



Materials and Substances

Packaging made with recycled cardboard

Yes

Packaging without single use plastic

Yes

EU RoHS Directive

[Compliant](#)

REACH Regulation

[Reference contains Substances of Very High Concern above the threshold](#)

Halogen-free status

Halogen free product

PVC free

Yes

Silicone-free

Yes

Use Longer



Lifetime extension

Repair

No

Use Again



Repack and remanufacture

End of life manual availability

No need of specific recycling operations

Take-back

No

WEEE Label



The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Technical Illustration

Assembly's dimensions

