

Product datasheet

Specifications



Straight distribution length, Canalis
KN, additional, aluminium, 100A,
3L+N+PE, fixed length 3m, 1 outlet,
RAL9001

KNA100ED4301

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 + N + PE 3L + PEN
Number of tap-off outlets	1
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 µT
Thermal stress limit	1980 kA².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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Colour	White (RAL 9001)
Net weight	6.6 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	3.500 cm
Package 1 Width	10.000 cm
Package 1 Length	310.000 cm
Package 1 Weight	5.000 kg
Unit Type of Package 2	BB1
Number of Units in Package 2	4
Package 2 Height	11.000 cm
Package 2 Width	16.000 cm
Package 2 Length	314.000 cm
Package 2 Weight	22.000 kg
Unit Type of Package 3	PAL
Number of Units in Package 3	48
Package 3 Height	45.400 cm
Package 3 Width	68.000 cm
Package 3 Length	320.000 cm
Package 3 Weight	363.000 kg

Contractual warranty

Warranty	18 months
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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	REACH Declaration
Halogen-free status	Halogen free product
PVC free	Yes
Silicone-free	Yes

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