Product data sheet

Specifications

Straight distribution length, Canalis KN, additional, aluminium, 100A, 3L+N+PE, fixed length 2m, 4 outlets, RAL9001

KNA100ED4204

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	4
Length	2 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

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Colour	White (RAL 9001)
Net Weight	5.2 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	10.0 cm
Package 1 Length	210.0 cm
Package 1 Weight	4.0 kg
Unit Type Of Package 2	BB1
Number Of Units In Package 2	4
Package 2 Height	10.8 cm
Package 2 Width	16.0 cm
Package 2 Length	214.3 cm
Package 2 Weight	16.0 kg
Unit Type Of Package 3	PAL
Number Of Units In Package 3	48
Package 3 Height	44.5 cm
Package 3 Width	64.0 cm
Package 3 Length	220.0 cm
Package 3 Weight	212.0 kg

Contractual warranty

Warranty	18 months

Sustainability

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Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Guide to assess a product's sustainability >

Well-being performance

✓ Reach Free Of Svhc	
✓ Toxic Heavy Metal Free	
✓ Mercury Free	
✓ Rohs Exemption Information	Yes
✓ Halogen Free Product	

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant EU RoHS Declaration
China Rohs Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins