

Product data sheet

Specifications



Phase balance length, Canalis KRC, copper, 6300A, 3L, fixed length 1m, grey RAL7030

KRC6300TO3

Main

Range	Canalis
Product Name	KR
Product Or Component Type	Busbar trunking
Busbar Description	Phase balance
Device Short Name	KRC
Product Specific Application	Enterprise data centres Real estate and office buildings Healthcare Mining minerals and metals Water and waste water Oil and gas
Device Application	Feeder length
Material	Copper
[Ie] Rated Operational Current	6300 A at 35 °C
Polarity	3L
Length	1000 mm

Complementary

Housing Material	Mineral epoxy resin
Contacts Material	Copper
[Ue] Rated Operational Voltage	1000 V
Network Frequency	50/60 Hz
[Ui] Rated Insulation Voltage	1000 V
[Icw] Rated Short-Time Withstand Current	125 kA
[Ipk] Rated Peak Withstand Current	275 kA
Radiated Magnetic Field	58.44 mT
Thermal Stress Limit	10000000 kA².s
Maximum Voltage Drop	<0.001 V with power factor = 1 at 50 Hz with 1A for 100 m long <0.002 V with power factor = 0.9 at 50 Hz with 1A for 100 m long <0.002 V with power factor = 0.8 at 50 Hz with 1A for 100 m long <0.002 V with power factor = 0.7 at 50 Hz with 1A for 100 m long
Mounting Location	Indoor Outdoor
Installation Direction	Horizontal Vertical
Short-Circuit Level	Standard version

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

Product Certifications	CE EAC ATEX
Standards	IEC 61439-6
Dimension Type	Fix
Width	100 mm
Height	540 mm
Colour	Grey (RAL 7030)
Linear Load	182 kg/m

Environment

Ip Degree Of Protection	IP68 conforming to IEC 60529
Ik Degree Of Protection	IK10 conforming to IEC 62262
Pollution Degree	3
Fire Resistance	760 °C 180 min conforming to IEC 60331-1
Derating Factor	0...35 °C (100 % of In) 35...40 °C (96 % of In) 40...45 °C (89 % of In) 45...50 °C (84 % of In) 50...55 °C (78 % of In)
Operating Altitude	1000 m 100 % of In (indoor) 2000 m 99 % of In (indoor) 3000 m 96 % of In (indoor) 4000 m 90 % of In (indoor) 1000 m 98 % of In (outdoor) 2000 m 94 % of In (outdoor) 3000 m 89 % of In (outdoor) 4000 m 83 % of In (outdoor)
Environmental Characteristic	EMC directive conforming to IEC 61439-6

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	54.0 cm
Package 1 Width	10.0 cm
Package 1 Length	100.0 cm
Package 1 Weight	191.1 kg

Sustainability

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Transparency RoHS/REACH

Well-being performance

✓ Reach Free Of Svhc

✓ Toxic Heavy Metal Free

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

✓ Halogen Free Product

Certifications & Standards

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)
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information