



Main

Range	Canalis
Product name	KR
Product or component type	Busbar trunking
Busbar description	Phase balance
Device short name	KRA
Product specific application	Oil and gas Water and waste water Mining minerals and metals Real estate and office buildings Healthcare Enterprise data centres
Device application	Feeder length
Material	Aluminium
[Ie] rated operational current	1000 A at 35 °C
Polarity	3L + N + PE
Length	1000 mm

Complementary

Housing material	Mineral epoxy resin
Contacts material	Tinned aluminium
[Ue] rated operational voltage	1000 V
Network frequency	50/60 Hz
[Ui] rated insulation voltage	1000 V
[Icw] rated short-time withstand current	27 kA
[Ipk] rated peak withstand current	56 kA
Radiated magnetic field	12.42 mT
Thermal stress limit	729 A ² .s
Maximum voltage drop	<0.016 V with power factor = 0.8 at 50 Hz with 1A for 100 m long <0.0128 V with power factor = 1 at 50 Hz with 1A for 100 m long <0.0157 V with power factor = 0.9 at 50 Hz with 1A for 100 m long <0.0158 V with power factor = 0.7 at 50 Hz with 1A for 100 m long

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

Mounting location	Outdoor Indoor
Installation direction	Vertical Horizontal
Earth conductor	Standard earth
Short-circuit level	Standard version
Product certifications	CE ATEX EAC
Standards	IEC 61439-6
Dimension type	Fix
Width	120 mm
Height	110 mm
Colour	Grey (RAL 7030)
Linear load	35 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 Halogen free

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Under investigation
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
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