



Main

Range	Canalis
Product name	KR
Product or component type	Zed elbow
Device short name	KRA
Product specific application	Mining minerals and metals Enterprise data centres Healthcare Water and waste water Oil and gas Real estate and office buildings
Device application	Change direction
Material	Aluminium
[Ie] rated operational current	1000 A at 35 °C
Polarity	3L + N or 3L + PE or 3L + PEN
Earth conductor	Standard earth
Short-circuit level	Standard version

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

Linear resistance	L: R20 20 °C= 0.06 mΩ/m L: R1 35 °C= 0.074 mΩ/m at Inc and 50 Hz L: X1 35 °C= 0.055 mΩ/m at Inc and 50 Hz L: Z1 35 °C= 0.094 mΩ/m at Inc and 50 Hz L - PE: R0 20 °C= 0.198 mΩ/m symmetrical components method L - PE: X0 20 °C= 0.355 mΩ/m symmetrical components method L - PE: Z0 20 °C= 0.407 mΩ/m symmetrical components method L - N: R0 20 °C= 0.149 mΩ/m symmetrical components method L - N: X0 20 °C= 0.147 mΩ/m symmetrical components method L - N: Z0 20 °C= 0.209 mΩ/m symmetrical components method
Mounting location	Indoor Outdoor
Product certifications	ATEX CE EAC
Standards	IEC 61439-6
Width	100 mm
Height	110 mm
Colour	Grey (RAL 7030)
Length	direction 1: 350...700 mm direction 2: 10...700 mm direction 3: 350...700 mm
Linear load	29 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

