



### Main

Range	Canalis
Product name	KR
Product or component type	Zed elbow
Device short name	KRA
Product specific application	Enterprise data centres Mining minerals and metals Oil and gas Healthcare Real estate and office buildings Water and waste water
Device application	Change direction
Material	Aluminium
[Ie] rated operational current	2500 A at 35 °C
Polarity	3L
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	80 kA
[Ipk] rated peak withstand current	176 kA
Radiated magnetic field	27.94 mT
Thermal stress limit	6400 A <sup>2</sup> .s
Maximum voltage drop	<0.0045 V with power factor = 1 at 50 Hz with 1A for 100 m long <0.0062 V with power factor = 0.9 at 50 Hz with 1A for 100 m long <0.0066 V with power factor = 0.8 at 50 Hz with 1A for 100 m long <0.0067 V with power factor = 0.7 at 50 Hz with 1A for 100 m long
Linear resistance	L: R20 20 °C= 0.02 mΩ/m

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.

L: R1 35 °C= 0.026 mΩ/m at Inc and 50 Hz  
 L: X1 35 °C= 0.029 mΩ/m at Inc and 50 Hz  
 L: Z1 35 °C= 0.038 mΩ/m at Inc and 50 Hz

Mounting location	Indoor Outdoor
Product certifications	ATEX EAC CE
Standards	IEC 61439-6
Width	100 mm
Height	270 mm
Colour	Grey (RAL 7030)
Length	direction 1: 300...700 mm direction 2: 1...700 mm direction 3: 300...700 mm
Linear load	61 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	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Under investigation
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a> Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
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