



## Main

Range	Canalis
Product name	KR
Product or component type	Multiple elbow
Device short name	KRA
Device application	Change direction
Material	Aluminium
[Ie] rated operational current	4000 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	100 kA
[Ipk] rated peak withstand current	220 kA
Radiated magnetic field	44.03 mT
Thermal stress limit	10000000 kA <sup>2</sup> .s
Maximum voltage drop	<0.0026 V with power factor = 1 at 50 Hz with 1A for 100 m long <0.0043 V with power factor = 0.9 at 50 Hz with 1A for 100 m long <0.0048 V with power factor = 0.8 at 50 Hz with 1A for 100 m long <0.005 V with power factor = 0.7 at 50 Hz with 1A for 100 m long
Linear resistance	L: X1 35 °C= 0.026 mΩ/m at Inc and 50 Hz L: R20 20 °C= 0.012 mΩ/m L: R1 35 °C= 0.015 mΩ/m at Inc and 50 Hz L: Z1 35 °C= 0.03 mΩ/m at Inc and 50 Hz L - PE: R0 20 °C= 0.041 mΩ/m symmetrical components method L - PE: X0 20 °C= 0.192 mΩ/m symmetrical components method L - PE: Z0 20 °C= 0.196 mΩ/m symmetrical components method L-N: R0 20 °C= 0.03 mΩ/m symmetrical components method L-N: X0 20 °C= 0.084 mΩ/m symmetrical components method L-N: Z0 20 °C= 0.089 mΩ/m symmetrical components method
Mounting location	Outdoor Indoor
Product certifications	ATEX[RETURN]EAC[RETURN]CE
Standards	IEC 61439-6
Width	100 mm
Height	460 mm
Colour	Grey (RAL 7030)
Length	Direction 1: 300...700 mm Direction 2: 500...1000 mm Direction 3: 280...1000 mm
Linear load	115 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	60.0 cm
Package 1 Width	70.0 cm
Package 1 Length	70.0 cm
Package 1 Weight	241.5 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#"> REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant <a href="#"> EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	<a href="#"> China RoHS Declaration</a>
RoHS exemption information	<a href="#"> Yes</a>
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