



### Main

Range	Canalis
Product name	KR
Product or component type	Multiple elbow
Device short name	KRA
Product specific application	Mining minerals and metals Oil and gas Water and waste water Healthcare Enterprise data centres Real estate and office buildings
Device application	Change direction
Material	Aluminium
[Ie] rated operational current	800 A at 35 °C
Polarity	3L + N + PE
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	8.79 mT
Thermal stress limit	729 A <sup>2</sup> .s
Voltage drop	With cos φ =1, 0.0166 V at 50 Hz with 1A for 100 m long With cos φ =0.8, 0.016 V at 50 Hz with 1A for 100 m long With cos φ =0.9, 0.0169 V at 50 Hz with 1A for 100 m long With cos φ =0.7, 0.0149 V at 50 Hz with 1A for 100 m long
Linear resistance	L : R1 35 °C= 0.096 mΩ/m at Inc and 50 Hz L - N : Z0 20 °C= 0.247 mΩ/m symmetrical components method L : Z1 35 °C= 0.102 mΩ/m at Inc and 50 Hz L - PE : R0 20 °C= 0.257 mΩ/m symmetrical components method

L : R20 20 °C= 0.081 mO/m  
 L - PE : Z0 20 °C= 0.588 mO/m symmetrical components method  
 L : X1 35 °C= 0.026 mΩ/m at Inc and 50 Hz  
 L - N : X0 20 °C= 0.155 mO/m symmetrical components method  
 L - PE : X0 20 °C= 0.529 mΩ/m symmetrical components method  
 L - N : R0 20 °C= 0.193 mΩ/m symmetrical components method

Mounting location	Indoor Outdoor
Product certifications	EAC ATEX CE
Standards	IEC 61439-6
Width	90 mm
Height	90 mm
Colour	Grey : RAL 7030
Length	Direction 1 : 300...700 mm Direction 2 : 350...700 mm Direction 3 : 90...700 mm
Linear load	22 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	100 % of In at 0...35 °C 84 % of In at 45...50 °C 96 % of In at 35...40 °C 89 % of In at 40...45 °C 78 % of In at 50...55 °C
Operating altitude	98 % of In at 1000 m outdoor 89 % of In at 3000 m outdoor 99 % of In at 2000 m indoor 90 % of In at 4000 m indoor 94 % of In at 2000 m outdoor 83 % of In at 4000 m outdoor 100 % of In at 1000 m indoor 96 % of In at 3000 m indoor
Environmental characteristic	EMC directive conforming to IEC 61439-6 Halogen free

## Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 1606 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
Product environmental profile	Available <a href="#">Product Environmental Profile</a>
Product end of life instructions	Available <a href="#">End of Life Information</a>