



### Main

Range	Canalis
Product name	KR
Product or component type	Zed elbow
Device short name	KRA
Product specific application	Oil and gas Water and waste water Mining minerals and metals Healthcare Enterprise data centres Real estate and office buildings
Device application	Change direction
Material	Aluminium
[Ie] rated operational current	4000 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	100 kA
[Ipk] rated peak withstand current	220 kA
Radiated magnetic field	44.03 mT
Thermal stress limit	10000 A <sup>2</sup> .s
Voltage drop	With cos φ =1, 0.0026 V at 50 Hz with 1A for 100 m long With cos φ =0.9, 0.0043 V at 50 Hz with 1A for 100 m long With cos φ =0.7, 0.005 V at 50 Hz with 1A for 100 m long With cos φ =0.8, 0.0048 V at 50 Hz with 1A for 100 m long
Linear resistance	L : R1 35 °C= 0.015 mΩ/m at Inc and 50 Hz L : R20 20 °C= 0.012 mΩ/m L - N : X0 20 °C= 0.084 mΩ/m symmetrical components method L : Z1 35 °C= 0.03 mΩ/m at Inc and 50 Hz

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 - PE : X0 20 °C= 0.192 mΩ/m symmetrical components method  
 L : X1 35 °C= 0.026 mΩ/m at Inc and 50 Hz  
 L - N : R0 20 °C= 0.03 mΩ/m symmetrical components method  
 L - N : Z0 20 °C= 0.089 mΩ/m symmetrical components method  
 L - PE : R0 20 °C= 0.041 mΩ/m symmetrical components method  
 L - PE : Z0 20 °C= 0.196 mΩ/m symmetrical components method

Mounting location	Indoor Outdoor
Product certifications	ATEX CE EAC
Standards	IEC 61439-6
Width	120 mm
Height	460 mm
Colour	Grey : RAL 7030
Length	Direction 2 : 1...700 mm Direction 3 : 300...700 mm Direction 1 : 300...700 mm
Linear load	137 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 1607 - 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>