



Main

Range	Canalis
Product name	KR
Product or component type	Elbow
Device short name	KRA
Product specific application	Mining minerals and metals Healthcare Real estate and office buildings Oil and gas Water and waste water Enterprise data centres
Device application	Change direction
Material	Aluminium
[Ie] rated operational current	800 A at 35 °C
Polarity	3L + N or 3L + PE or 3L + PEN
Direction change type	Direction 1 : flat to right
Operating angle	90 °
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 ² .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
Mounting location	Indoor

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

Outdoor

Product certifications	EAC CE ATEX
Standards	IEC 61439-6
Dimension type	Made to measure
Width	90 mm
Height	90 mm
Length	300...1200 mm
Colour	Grey : RAL 7030
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	1000 °C 90 min conforming to DIN 4102-12 2000
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 Schneider Electric declaration of conformity
Product environmental profile	Available Product Environmental Profile
Product end of life instructions	Available End of Life Information