



Main

Range	Canalis
Product name	KR
Product or component type	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
Direction change type	Direction 1 : edgewise to upward
Operating angle	90 °
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 ² .s
Voltage drop	With $\cos \varphi = 1$, 0.0026 V at 50 Hz with 1A for 100 m long With $\cos \varphi = 0.9$, 0.0043 V at 50 Hz with 1A for 100 m long With $\cos \varphi = 0.7$, 0.005 V at 50 Hz with 1A for 100 m long With $\cos \varphi = 0.8$, 0.0048 V at 50 Hz with 1A for 100 m long
Mounting location	Indoor Outdoor

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

Product certifications	ATEX CE EAC
Standards	IEC 61439-6
Dimension type	Fix
Width	100 mm
Height	460 mm
Length	500 mm
Colour	Grey : RAL 7030
Linear load	102 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