



Main

Range	Canalis
Product name	KR
Product or component type	Elbow
Device short name	KRC
Product specific application	Real estate and office buildings Enterprise data centres Water and waste water Oil and gas Healthcare Mining minerals and metals
Device application	Change direction
Material	Copper
[Ie] rated operational current	5000 A at 35 °C
Polarity	3L + N or 3L + PE or 3L + PEN
Direction change type	Direction 1 : edgewise to upward
Operating angle	90 °
Earth conductor	Standard earth
Short-circuit level	Standard version

Complementary

Housing material	Mineral epoxy resin
Contacts material	Copper
[Ue] rated operational voltage	1000 V
Network frequency	50/60 Hz
[Ui] rated insulation voltage	1000 V
[Icw] rated short-time withstand current	125 kA
[Ipk] rated peak withstand current	275 kA
Radiated magnetic field	44.03 mT
Thermal stress limit	10000 A ² .s
Voltage drop	With cos φ =0.9, 0.003 V at 50 Hz with 1A for 100 m long With cos φ =1, 0.002 V at 50 Hz with 1A for 100 m long With cos φ =0.8, 0.003 V at 50 Hz with 1A for 100 m long With cos φ =0.7, 0.003 V at 50 Hz with 1A for 100 m long
Mounting location	Outdoor

	Indoor
Product certifications	CE EAC ATEX
Standards	IEC 61439-6
Dimension type	Made to measure
Width	100 mm
Height	460 mm
Length	500...1000 mm
Colour	Grey : RAL 7030
Linear load	174 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