



Main

Range	Canalis
Product name	KR
Product or component type	Busbar trunking
Busbar description	Transport length
Device short name	KRC
Product specific application	Healthcare Enterprise data centres Mining minerals and metals Oil and gas Real estate and office buildings Water and waste water
Device application	Feeder length
Material	Copper
[Ie] rated operational current	2000 A at 35 °C
Busbar trunking polarity	3L + N or 3L + PE or 3L + PEN
Number of tap-off outlets	0
Earth circuit	Standard earth
Variant	Standard version
Length	500...1000 mm

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	80 kA
[Ipk] rated peak withstand current	176 kA
Radiated magnetic field	17.3 mT
Thermal stress limit	4225 A ² .s
Voltage drop	With cos φ =0.9, 0.006 V at 50 Hz with 1A for 100 m long With cos φ =0.8, 0.007 V at 50 Hz with 1A for 100 m long With cos φ =0.7, 0.007 V at 50 Hz with 1A for 100 m long With cos φ =1, 0.004 V at 50 Hz with 1A for 100 m long

Linear resistance	L - PE : R0 20 °C= 0.078 mΩ/m symmetrical components method L - N : X0 20 °C= 0.084 mΩ/m symmetrical components method L - PE : Z0 20 °C= 0.128 mΩ/m symmetrical components method L : R1 35 °C= 0.025 mΩ/m at Inc and 50 Hz L - N : Z0 20 °C= 0.096 mΩ/m symmetrical components method L : Z1 35 °C= 0.042 mΩ/m at Inc and 50 Hz L - PE : X0 20 °C= 0.101 mΩ/m symmetrical components method L : R20 20 °C= 0.021 mΩ/m L : X1 35 °C= 0.034 mΩ/m at Inc and 50 Hz L - N : R0 20 °C= 0.048 mΩ/m symmetrical components method
Mounting location	Indoor Outdoor
Installation direction	Vertical Horizontal
Product certifications	EAC CE ATEX
Standards	IEC 61439-6
Dimension type	Made to measure
Width	100 mm
Height	190 mm
Colour	RAL 7030 : grey
Linear load	72 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
Ambient air temperature for operation	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
Product end of life instructions	Available End of life manual