



Main

Range	Canalis
Product name	KR
Product or component type	Straight feeder trunking
Device short name	KRC
Product specific application	Oil and gas Enterprise data centres Real estate and office buildings Water and waste water Mining minerals and metals Healthcare
Device application	Feeder length
Supply	Oil-immersed transformer Switchboard
Material	Copper
[Ie] rated operational current	1600 A at 35 °C
Direction change type	Edgewise busbar to straight connection pads
Earth circuit	Standard earth
Variant	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	65 kA
[Ipk] rated peak withstand current	143 kA
Radiated magnetic field	14.68 mT
Thermal stress limit	4225 A ² .s

Voltage drop	With $\cos \varphi = 1$, 0.007 V at 50 Hz with 1A for 100 m long With $\cos \varphi = 0.7$, 0.011 V at 50 Hz with 1A for 100 m long With $\cos \varphi = 0.9$, 0.01 V at 50 Hz with 1A for 100 m long With $\cos \varphi = 0.8$, 0.01 V at 50 Hz with 1A for 100 m long
Linear resistance	L - N : Z0 20 °C= 0.138 mΩ/m symmetrical components method L - PE : R0 20 °C= 0.116 mΩ/m symmetrical components method L - N : X0 20 °C= 0.116 mΩ/m symmetrical components method L - PE : Z0 20 °C= 0.182 mΩ/m symmetrical components method L : X1 35 °C= 0.046 mΩ/m at Inc and 50 Hz L : R20 20 °C= 0.031 mΩ/m L : Z1 35 °C= 0.061 mΩ/m at Inc and 50 Hz L - PE : X0 20 °C= 0.139 mΩ/m symmetrical components method L - N : R0 20 °C= 0.075 mΩ/m symmetrical components method L : R1 35 °C= 0.04 mΩ/m at Inc and 50 Hz
Mounting location	Indoor Outdoor
Installation direction	Vertical
Busbar trunking polarity	3L + N + PE
Product certifications	EAC ATEX CE
Standards	IEC 61439-6
Dimension type	Fix
Connection pitch	115 mm
Colour	RAL 7030 : grey
Linear load	59 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
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 1606 - 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