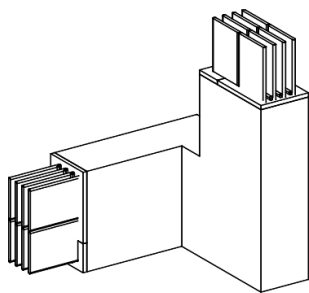


Product data sheet

Specifications



Edgewise and flat zed unit, Canalis KRC, copper, 1000A, 3L, made to measure, grey RAL7030

KRC1000CP31

Main

Range	Canalis
Product Name	KR
Product Or Component Type	Multiple elbow
Device Short Name	KRC
Product Specific Application	Water and waste water Oil and gas Mining minerals and metals Enterprise data centres Real estate and office buildings Healthcare
Device Application	Change direction
Material	Copper
[Ie] Rated Operational Current	1000 A at 35 °C
Polarity	3L
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	38 kA
[Ipk] Rated Peak Withstand Current	80 kA
Radiated Magnetic Field	8.79 mT
Thermal Stress Limit	1444000 kA².s
Maximum Voltage Drop	<0.016 V with power factor = 0.8 at 50 Hz with 1A for 100 m long <0.011 V with power factor = 1 at 50 Hz with 1A for 100 m long <0.015 V with power factor = 0.9 at 50 Hz with 1A for 100 m long <0.016 V with power factor = 0.7 at 50 Hz with 1A for 100 m long
Linear Resistance	L: R20 20 °C= 0.049 mΩ/m L: R1 35 °C= 0.062 mΩ/m at Inc and 50 Hz L: X1 35 °C= 0.069 mΩ/m at Inc and 50 Hz L: Z1 35 °C= 0.092 mΩ/m at Inc and 50 Hz
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 EAC CE
Standards	IEC 61439-6
Width	90 mm
Height	90 mm
Colour	Grey (RAL 7030)
Length	direction 1: 300...700 mm direction 2: 350...700 mm direction 3: 90...700 mm
Linear Load	30 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
Derating Factor	0...35 °C (100 % of In) 35...40 °C (96 % of In) 40...45 °C (89 % of In) 45...50 °C (84 % of In) 50...55 °C (78 % of In)
Operating Altitude	1000 m 100 % of In (indoor) 2000 m 99 % of In (indoor) 3000 m 96 % of In (indoor) 4000 m 90 % of In (indoor) 1000 m 98 % of In (outdoor) 2000 m 94 % of In (outdoor) 3000 m 89 % of In (outdoor) 4000 m 83 % of In (outdoor)
Environmental Characteristic	EMC directive conforming to IEC 61439-6

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	40.0 cm
Package 1 Width	50.0 cm
Package 1 Length	50.0 cm
Package 1 Weight	44.1 kg

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

Well-being performance

✓ Reach Free Of Svhc

✓ Toxic Heavy Metal Free

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

✓ Halogen Free Product

Certifications & Standards

Reach Regulation	REACH Declaration
Eu Rohs Directive	Compliant EU RoHS Declaration
China Rohs Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information