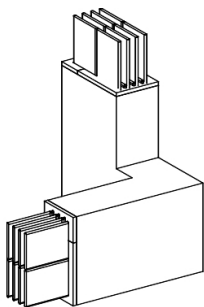


# Product data sheet

Specifications



Flat and edgewise zed unit, Canalis KRA, aluminium, 1000A, 3L+N/ 3L+PE/3L+PEN, made to measure, grey RAL7030

KRA1000CP42

## Main

Range	Canalis
Product Name	KR
Product Or Component Type	Multiple elbow
Device Short Name	KRA
Product Specific Application	Enterprise data centres Mining minerals and metals Real estate and office buildings Healthcare Oil and gas Water and waste water
Device Application	Change direction
Material	Aluminium
[Ie] Rated Operational Current	1000 A at 35 °C
Polarity	3L + N or 3L + PE or 3L + PEN
Earth Conductor	Standard earth
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	27 kA
[Ipk] Rated Peak Withstand Current	56 kA
Radiated Magnetic Field	12.42 mT
Thermal Stress Limit	729000 kA².s
Maximum Voltage Drop	<0.016 V with power factor = 0.8 at 50 Hz with 1A for 100 m long <0.0128 V with power factor = 1 at 50 Hz with 1A for 100 m long <0.0157 V with power factor = 0.9 at 50 Hz with 1A for 100 m long <0.0158 V with power factor = 0.7 at 50 Hz with 1A for 100 m long

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

Linear Resistance	L: R20 20 °C= 0.06 mΩ/m L: R1 35 °C= 0.074 mΩ/m at Inc and 50 Hz L: X1 35 °C= 0.055 mΩ/m at Inc and 50 Hz L: Z1 35 °C= 0.094 mΩ/m at Inc and 50 Hz L - PE: R0 20 °C= 0.198 mΩ/m symmetrical components method L - PE: X0 20 °C= 0.355 mΩ/m symmetrical components method L - PE: Z0 20 °C= 0.407 mΩ/m symmetrical components method L-N: R0 20 °C= 0.149 mΩ/m symmetrical components method L-N: X0 20 °C= 0.147 mΩ/m symmetrical components method L-N: Z0 20 °C= 0.209 mΩ/m symmetrical components method
Mounting Location	Indoor Outdoor
Product Certifications	EAC ATEX CE
Standards	IEC 61439-6
Width	100 mm
Height	110 mm
Colour	Grey (RAL 7030)
Length	direction 1: 300...700 mm direction 2: 350...700 mm direction 3: 105...700 mm
Linear Load	29 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	42.63 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-CO<sub>2</sub> 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	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Compliant <a href="#">EU RoHS Declaration</a>
China Rohs Regulation	<a href="#">China RoHS declaration</a> Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	<a href="#">End of Life Information</a>