

# Product data sheet

Specifications



Phase balance length, Canalis KRA, aluminium, 4000A, 3L+N/3L+PE/ 3L+PEN, fixed length 1m, grey RAL7030

KRA4000TO4

## Main

Range	Canalis
Product Name	KR
Product Or Component Type	Busbar trunking
Busbar Description	Phase balance
Device Short Name	KRA
Product Specific Application	Mining minerals and metals Enterprise data centres Healthcare Real estate and office buildings Water and waste water Oil and gas
Device Application	Feeder length
Material	Aluminium
[Ie] Rated Operational Current	4000 A at 35 °C
Polarity	3L + N or 3L + PE or 3L + PEN
Length	1000 mm

## 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	100 kA
[Ipk] Rated Peak Withstand Current	220 kA
Radiated Magnetic Field	44.03 mT
Thermal Stress Limit	10000000 kA².s
Maximum Voltage Drop	<0.0026 V with power factor = 1 at 50 Hz with 1A for 100 m long <0.0043 V with power factor = 0.9 at 50 Hz with 1A for 100 m long <0.0048 V with power factor = 0.8 at 50 Hz with 1A for 100 m long <0.005 V with power factor = 0.7 at 50 Hz with 1A for 100 m long
Mounting Location	Outdoor Indoor
Installation Direction	Vertical Horizontal
Earth Conductor	Standard earth

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

Short-Circuit Level	Standard version
Product Certifications	CE ATEX EAC
Standards	IEC 61439-6
Dimension Type	Fix
Width	100 mm
Height	460 mm
Colour	Grey (RAL 7030)
Linear Load	115 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	46.0 cm
Package 1 Width	10.0 cm
Package 1 Length	100.0 cm
Package 1 Weight	120.75 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.

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[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>