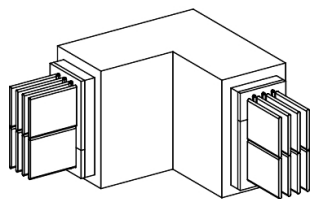# Product data sheet

Specifications

Flat elbow, Canalis KRA, aluminium, 800A, fire rated, 3L+N/3L+PE/ 3L+PEN, made to measure length 0.3-0.7m, grey RAL7030

KRA0800FP4B

Main

Range	Canalis
Product Name	KR
Product Or Component Type	Elbow
Device Short Name	KRA
Product Specific Application	Water and waste water Mining minerals and metals Enterprise data centres Real estate and office buildings Healthcare Oil and gas
Device Application	Change direction
Material	Aluminium
[Ie] Rated Operational Current	800 A at 35 °C
Polarity	3L + N or 3L + PE or 3L + PEN
Direction Change Type	direction 1: flat to right
Operating Angle	90 °
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	8.79 mT
Thermal Stress Limit	729000 kA².s
Maximum Voltage Drop	<0.0166 V with power factor = 1 at 50 Hz with 1A for 100 m long <0.0169 V with power factor = 0.9 at 50 Hz with 1A for 100 m long <0.016 V with power factor = 0.8 at 50 Hz with 1A for 100 m long <0.0149 V with power factor = 0.7 at 50 Hz with 1A for 100 m long
Mounting Location	Indoor Outdoor

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Product Certifications	EAC ATEX CE
Standards	IEC 61439-6
Dimension Type	Made to measure
Width	140 mm
Height	150 mm
Length	300…700 mm
Colour	Grey (RAL 7030)
Linear Load	22 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
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	15.0 cm
Package 1 Width	30.0 cm
Package 1 Length	70.0 cm
Package 1 Weight	23.1 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-CO_2 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