

Product data sheet

Characteristics

KRA4000FT510

Straight feeder length, Canalis KR, aluminium, 4000A, 3L+N+PE, fire rated, made to measure length 0.5m-1m, grey RAL7030



Main

Range	Canalis
Product name	KR
Product or component type	Busbar trunking
Busbar description	Transport length Fire rated
Device short name	KRA
Product specific application	Real estate and office buildings Mining minerals and metals Healthcare Oil and gas Enterprise data centres Water and waste water
Device application	Feeder length
Material	Aluminium
[Ie] rated operational current	4000 A at 35 °C
Polarity	3L + N + PE
Number of tap-off outlets	0
Earth conductor	Standard earth
Short-circuit level	Standard version
Length	500...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 kA ² .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
Product certifications	CE[RETURN]ATEX[RETURN]EAC
Standards	IEC 61439-1 IEC 61439-6
Dimension type	Made to measure
Width	160 mm
Height	580 mm

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Colour	Grey (RAL 7030)
Linear load	137 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	58.0 cm
Package 1 Width	16.0 cm
Package 1 Length	100.0 cm
Package 1 Weight	143.85 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant  EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	 End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Halogen content performance	Halogen free product