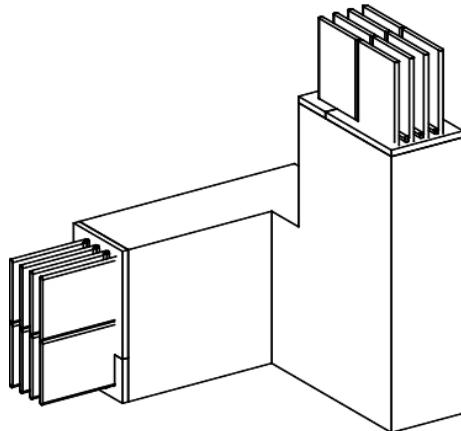


# Product data sheet

## Characteristics

# KRA1600CP41

Edgewise and flat zed unit, Canalis KRA, aluminium, 1600A, 3L+N/3L+PE/3L+PEN, made to measure, grey RAL7030



### Main

Range	Canalis
Product name	KR
Product or component type	Multiple elbow
Device short name	KRA
Product specific application	Healthcare Oil and gas Enterprise data centres Water and waste water Mining minerals and metals Real estate and office buildings
Device application	Change direction
Material	Aluminium
[Ie] rated operational current	1600 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	53 kA
[Ipk] rated peak withstand current	117 kA
Radiated magnetic field	17.3 mT
Thermal stress limit	2809000 kA <sup>2</sup> .s
Maximum voltage drop	<0.0062 V with power factor = 1 at 50 Hz with 1A for 100 m long <0.0091 V with power factor = 0.9 at 50 Hz with 1A for 100 m long <0.0098 V with power factor = 0.8 at 50 Hz with 1A for 100 m long <0.0101 V with power factor = 0.7 at 50 Hz with 1A for 100 m long
Linear resistance	L: R20 20 °C= 0.03 mΩ/m L: R1 35 °C= 0.036 mΩ/m at Inc and 50 Hz L: X1 35 °C= 0.046 mΩ/m at Inc and 50 Hz L: Z1 35 °C= 0.059 mΩ/m at Inc and 50 Hz L - PE: R0 20 °C= 0.097 mΩ/m symmetrical components method L - PE: X0 20 °C= 0.22 mΩ/m symmetrical components method L - PE: Z0 20 °C= 0.24 mΩ/m symmetrical components method L-N: R0 20 °C= 0.073 mΩ/m symmetrical components method L-N: X0 20 °C= 0.091 mΩ/m symmetrical components method L-N: Z0 20 °C= 0.117 mΩ/m symmetrical components method
Mounting location	Outdoor Indoor
Product certifications	CE[RETURN]ATEX[RETURN]EAC
Standards	IEC 61439-6
Width	100 mm
Height	190 mm
Colour	Grey (RAL 7030)

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Length	Direction 1: 300...700 mm Direction 2: 350...700 mm Direction 3: 145...700 mm
Linear load	48 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	70.56 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 <a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant  <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
RoHS exemption information	 Yes
Environmental Disclosure	 <a href="#">Product Environmental Profile</a>
Circularity Profile	 <a href="#">End Of Life Information</a>
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