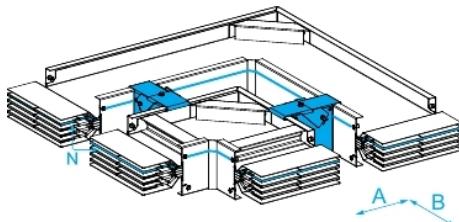


Product data sheet

Characteristics

KTC6300LC7A

Edgewise elbow, Canalis KTC, copper, 6300A, 3L+N+PER (Cu), high Icw, 2 fixed branches



Main

Range	Canalis
Product name	KT
Product or component type	Elbow
Busbar description	Standard
Device short name	KTC
Device application	Change direction
Material	Copper
[Ie] rated operational current	6300 A at 35 °C
Polarity	3L + N + PER
Direction change type	Direction 1: edgewise to upward
Operating angle	90 °
Earth conductor	Reinforced
Short-circuit level	Reinforced version
Provided equipment	Trunking unit Jointing unit

Complementary

Housing material	Polyester film
Contacts material	Copper
[Ue] rated operational voltage	1000 V
Network frequency	50/60 Hz
[Ui] rated insulation voltage	1000 V
[Icw] rated short-time withstand current	120 kA
[Ipk] rated peak withstand current	264 kA
Radiated magnetic field	4.5 µT
Thermal stress limit	14400000 kA².s
THDI	33...100 % 4000 A 15...33 % 5000 A 0...15 % 6300 A
Maximum voltage drop	<0.00065 V with power factor = 1 at 50 Hz with 1A for 100 m long <0.00075 V with power factor = 0.9 at 50 Hz with 1A for 100 m long <0.00075 V with power factor = 0.8 at 50 Hz with 1A for 100 m long <0.0007 V with power factor = 0.7 at 50 Hz with 1A for 100 m long
Neutral position	Right
Standards	IEC 61439-1 IEC 61439-6
Dimension type	Fix
Width	140 mm
Height	618 mm
Length	Direction 1: 548 mm Direction 2: 548 mm
Colour	White (RAL 9001)
Linear load	142 kg/m

Environment

IP degree of protection	IP55 conforming to IEC 60529
IK degree of protection	IK08 conforming to IEC 62262
Derating factor	0...35 °C (100 % of I_n) 35...40 °C (95 % of I_n) 40...45 °C (90 % of I_n) 45...50 °C (84 % of I_n) 50...55 °C (79 % of I_n)

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	14.0 cm
Package 1 Width	85.9 cm
Package 1 Length	85.9 cm
Package 1 Weight	163.414 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
EU RoHS Directive	Compliant with Exemptions
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