



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	5000 A at 35 °C
Polarity	3L + N + PE
Direction change type	direction 1: flat to right
Operating angle	91...179 °
Earth conductor	Reinforced
Short-circuit level	Reinforced version
Provided equipment	Joining unit Trunking 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	3 µT
Thermal stress limit	14400 A ² .s
THDI	33...100 % 3200 A 15...33 % 4000 A 0...15 % 5000 A
Maximum voltage drop	<0.0008 V with power factor = 1 at 50 Hz with 1A for 100 m long <0.001 V with power factor = 0.9 at 50 Hz with 1A for 100 m long <0.001 V with power factor = 0.8 at 50 Hz with 1A for 100 m long <0.001 V with power factor = 0.7 at 50 Hz with 1A for 100 m long

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

Neutral position	Left
Standards	IEC 61439-1 IEC 61439-6
Dimension type	Fix
Width	140 mm
Height	404 mm
Length	direction 1: 300 mm direction 2: 300 mm
Colour	White (RAL 9001)
Linear load	114 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 In) 35...40 °C (95 % of In) 40...45 °C (90 % of In) 45...50 °C (84 % of In) 50...55 °C (79 % of In)