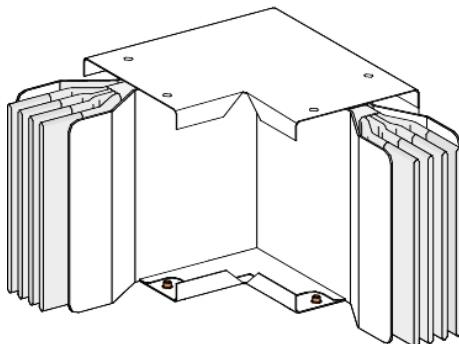


# Product data sheet

## Characteristics

# KTA0800LP7B2

Flat elbow, Canalis KTA, aluminium, 800A, 3L+N+PER (Cu), high Icw, N2, 1 made to measure short branch, right angle



### Main

Range	Canalis
Product name	KT
Product or component type	Elbow
Busbar description	Standard
Device short name	KTA
Device application	Change direction
Material	Aluminium
[Ie] rated operational current	800 A at 35 °C
Polarity	3L + N + PER
Direction change type	Direction 1: flat to right
Operating angle	90 °
Earth conductor	Reinforced
Short-circuit level	Reinforced version
Provided equipment	Jointing 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	35 kA
[Ipk] rated peak withstand current	73 kA
Radiated magnetic field	0.4 µT
Thermal stress limit	1225000 kA <sup>2</sup> .s
THDI	0...15 % 800 A 15...33 % 1000 A 33...100 % 1250 A
Maximum voltage drop	<0.0083 V with power factor = 1 at 50 Hz with 1A for 100 m long <0.0081 V with power factor = 0.9 at 50 Hz with 1A for 100 m long <0.0076 V with power factor = 0.8 at 50 Hz with 1A for 100 m long <0.0069 V with power factor = 0.7 at 50 Hz with 1A for 100 m long
Neutral position	Left
Standards	IEC 61439-6 IEC 61439-1
Dimension type	Made to measure short branch
Width	140 mm
Height	74 mm
Length	Direction 1: 300 mm Direction 2: 301...799 mm
Colour	White (RAL 9001)
Linear load	15 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 (97 % of $I_n$ ) 40...45 °C (93 % of $I_n$ ) 45...50 °C (90 % of $I_n$ ) 50...55 °C (86 % of $I_n$ )

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.4 cm
Package 1 Width	35.0 cm
Package 1 Length	85.0 cm
Package 1 Weight	17.309 kg