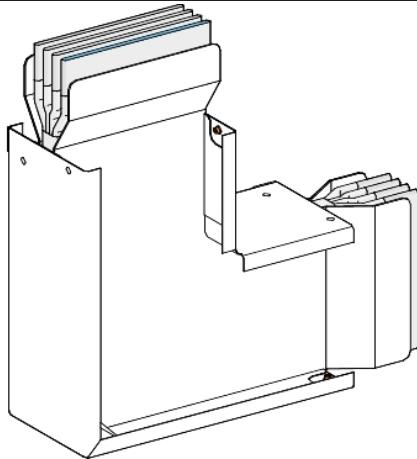


# Product data sheet

## Characteristics

# KTA2500LC4A

Edgewise elbow, Canalis KTA, aluminium, 2500A, 3L+N+PE, 2 fixed branches



### 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 | 2500 A at 35 °C                 |
| Polarity                       | 3L + N + PE                     |
| Direction change type          | Direction 1: edgewise to upward |
| Operating angle                | 90 °                            |
| Earth conductor                | Standard earth                  |
| Short-circuit level            | Standard version                |
| Provided equipment             | Jointing unit<br>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 | 80 kA  |
| [Ipk] rated peak withstand current       | 176 kA   |
| Radiated magnetic field                  | 1.6 µT   |
| Thermal stress limit                     | 6400000 kA <sup>2</sup> .s   |
| THDI                                     | 0...15 % 2500 A<br>15...33 % 3200 A<br>33...100 % 4000 A   |
| Maximum voltage drop                     | <0.0024 V with power factor = 1 at 50 Hz with 1A for 100 m long<br><0.0025 V with power factor = 0.9 at 50 Hz with 1A for 100 m long<br><0.0024 V with power factor = 0.8 at 50 Hz with 1A for 100 m long<br><0.0022 V with power factor = 0.7 at 50 Hz with 1A for 100 m long |
| Neutral position                         | Right  |
| Standards                                | IEC 61439-6<br>IEC 61439-1   |
| Dimension type                           | Fix  |
| Width                                    | 140 mm   |
| Height                                   | 244 mm   |
| Length                                   | Direction 1: 360 mm<br>Direction 2: 360 mm   |
| Colour                                   | White (RAL 9001)   |
| Linear load                              | 30 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 $I_n$ )<br>35...40 °C (97 % of $I_n$ )<br>40...45 °C (93 % of $I_n$ )<br>45...50 °C (90 % of $I_n$ )<br>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             | 14.0 cm  |
| Package 1 Width              | 50.2 cm  |
| Package 1 Length             | 50.2 cm  |
| Package 1 Weight             | 22.68 kg |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| REACH Regulation           |  <a href="#">REACH Declaration</a>               |
| EU RoHS Directive          | Compliant with Exemptions   |
| 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       |