

# KTA1250LC5D

Edgewise elbow, Canalis KTA, aluminium, 1250A, 3L+N+PER (Al), 1 made to measure long branch



## 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 | 1250 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            | Standard version                |
| Provided equipment             | Trunking unit<br>Joining 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 | 50 kA                                                                                                                                                                                                                                                                         |
| [Ipk] rated peak withstand current       | 110 kA                                                                                                                                                                                                                                                                        |
| Radiated magnetic field                  | 0.75 µT                                                                                                                                                                                                                                                                       |
| Thermal stress limit                     | 2500000 kA².s                                                                                                                                                                                                                                                                 |
| THDI                                     | 0...15 % 1250 A<br>15...33 % 1600 A<br>33...100 % 2000 A                                                                                                                                                                                                                      |
| Maximum voltage drop                     | <0.0049 V with power factor = 1 at 50 Hz with 1A for 100 m long<br><0.005 V with power factor = 0.9 at 50 Hz with 1A for 100 m long<br><0.0047 V with power factor = 0.8 at 50 Hz with 1A for 100 m long<br><0.0043 V with power factor = 0.7 at 50 Hz with 1A for 100 m long |
| Neutral position                         | Right                                                                                                                                                                                                                                                                         |
| Standards                                | IEC 61439-1<br>IEC 61439-6                                                                                                                                                                                                                                                    |
| Dimension type                           | Made to measure long branch                                                                                                                                                                                                                                                   |
| Width                                    | 140 mm                                                                                                                                                                                                                                                                        |
| Depth                                    | 124 mm                                                                                                                                                                                                                                                                        |
| Height                                   | 124 mm                                                                                                                                                                                                                                                                        |
| Length                                   | Direction 1: 300 mm<br>Direction 2: 800...1000 mm                                                                                                                                                                                                                             |
| Colour                                   | White (RAL 9001)                                                                                                                                                                                                                                                              |
| Linear load                              | 18 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)<br>35...40 °C (97 % of In)<br>40...45 °C (93 % of In)<br>45...50 °C (90 % of In)<br>50...55 °C (86 % of In) |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 14.0 cm   |
| Package 1 Width              | 100.0 cm  |
| Package 1 Length             | 100.0 cm  |
| Package 1 Weight             | 28.665 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 | <a href="#"> Yes</a>                            |
| 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       |