

# KTC1600LP7D2

Flat elbow, Canalis KTC, copper, 1600A, 3L+N+PER (Cu), high I<sub>cw</sub>, N2, 1 made to measure long branch, right angle



## Main

|                                             |                               |
|---------------------------------------------|-------------------------------|
| Range                                       | Canalis                       |
| Product name                                | KT                            |
| Product or component type                   | Elbow                         |
| Busbar description                          | Standard                      |
| Device short name                           | KTC                           |
| Device application                          | Change direction              |
| Material                                    | Copper                        |
| [I <sub>e</sub> ] rated operational current | 1600 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                          | Joining unit<br>Trunking unit |

## Complementary

|                                                       |                                                                                                                                                                                                                                                                                |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Housing material                                      | Polyester film                                                                                                                                                                                                                                                                 |
| Contacts material                                     | Copper                                                                                                                                                                                                                                                                         |
| [U <sub>e</sub> ] rated operational voltage           | 1000 V                                                                                                                                                                                                                                                                         |
| Network frequency                                     | 50/60 Hz                                                                                                                                                                                                                                                                       |
| [U <sub>i</sub> ] rated insulation voltage            | 1000 V                                                                                                                                                                                                                                                                         |
| [I <sub>cw</sub> ] rated short-time withstand current | 85 kA                                                                                                                                                                                                                                                                          |
| [I <sub>pk</sub> ] rated peak withstand current       | 187 kA                                                                                                                                                                                                                                                                         |
| Radiated magnetic field                               | 0.75 µT                                                                                                                                                                                                                                                                        |
| Thermal stress limit                                  | 7225000 kA <sup>2</sup> .s                                                                                                                                                                                                                                                     |
| THDI                                                  | 0...15 % 1600 A<br>15...33 % 1350 A<br>33...100 % 1000 A                                                                                                                                                                                                                       |
| Maximum voltage drop                                  | <0.0027 V with power factor = 0.7 at 50 Hz with 1A for 100 m long<br><0.0026 V with power factor = 1 at 50 Hz with 1A for 100 m long<br><0.0029 V with power factor = 0.9 at 50 Hz with 1A for 100 m long<br><0.0028 V with power factor = 0.8 at 50 Hz with 1A for 100 m long |
| Neutral position                                      | Left                                                                                                                                                                                                                                                                           |
| Standards                                             | IEC 61439-6<br>IEC 61439-1                                                                                                                                                                                                                                                     |
| Dimension type                                        | Made to measure long branch                                                                                                                                                                                                                                                    |
| Width                                                 | 140 mm                                                                                                                                                                                                                                                                         |
| Height                                                | 124 mm                                                                                                                                                                                                                                                                         |
| Length                                                | Direction 1: 300 mm<br>Direction 2: 800...1000 mm                                                                                                                                                                                                                              |
| Colour                                                | White (RAL 9001)                                                                                                                                                                                                                                                               |
| Linear load                                           | 39 kg/m                                                                                                                                                                                                                                                                        |

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## 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             | 12.4 cm   |
| Package 1 Width              | 35.0 cm   |
| Package 1 Length             | 105.0 cm  |
| Package 1 Weight             | 53.235 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       |