



## Main

|                                |                                        |
|--------------------------------|----------------------------------------|
| Range                          | Canalis                                |
| Product name                   | KT                                     |
| Product or component type      | Busbar trunking                        |
| Busbar description             | Distribution length                    |
| Device short name              | KTC                                    |
| Tap-off unit compatibility     | Bolt-on tap-off unit from Canalis - KT |
| Device application             | High power distribution                |
| Material                       | Copper                                 |
| [Ie] rated operational current | 6300 A at 35 °C                        |
| Polarity                       | 3L + PE                                |
| Number of tap-off outlets      | 2                                      |
| Nominal output current         | 400...1250 A                           |
| Earth conductor                | Standard earth                         |
| Short-circuit level            | Standard version                       |
| Length                         | 4000 mm                                |
| 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 | 120 kA                                                                                                                                                                                                                                                                            |
| [Ipk] rated peak withstand current       | 264 kA                                                                                                                                                                                                                                                                            |
| Electrical connection                    | Bolted connection                                                                                                                                                                                                                                                                 |
| Radiated magnetic field                  | 4.5 µT                                                                                                                                                                                                                                                                            |
| Thermal stress limit                     | 14400000 kA².s                                                                                                                                                                                                                                                                    |
| THDI                                     | 33...100 % 4000 A<br>15...33 % 5000 A<br>0...15 % 6300 A                                                                                                                                                                                                                          |
| Maximum voltage drop                     | <0.00065 V with power factor = 1 at 50 Hz with 1A for 100 m long<br><0.00075 V with power factor = 0.9 at 50 Hz with 1A for 100 m long<br><0.00075 V with power factor = 0.8 at 50 Hz with 1A for 100 m long<br><0.0007 V with power factor = 0.7 at 50 Hz with 1A for 100 m long |
| Mounting mode                            | By hook                                                                                                                                                                                                                                                                           |
| Mounting support                         | Pendant<br>Cantilever arm                                                                                                                                                                                                                                                         |
| Installation direction                   | Horizontal<br>Vertical                                                                                                                                                                                                                                                            |
| Neutral position                         | Right                                                                                                                                                                                                                                                                             |
| Tap-off unit interval                    | 2000 mm                                                                                                                                                                                                                                                                           |
| Standards                                | IEC 61439-6<br>IEC 61439-1                                                                                                                                                                                                                                                        |
| Dimension type                           | Fix                                                                                                                                                                                                                                                                               |

|             |                  |
|-------------|------------------|
| Width       | 140 mm           |
| Height      | 618 mm           |
| Colour      | White (RAL 9001) |
| Linear load | 102 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 (95 % of In)<br>40...45 °C (90 % of In)<br>45...50 °C (84 % of In)<br>50...55 °C (79 % of In) |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Height             | 62.2 cm  |
| Package 1 Width              | 14.0 cm  |
| Package 1 Length             | 400.0 cm |
| Package 1 Weight             | 220.0 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       |