



## Main

|   |  |
|---|--|
| Range                                       | Canalis  |
| Product name                                | KT   |
| Product or component type                   | Busbar trunking  |
| Busbar description                          | Distribution length  |
| Device short name                           | KTA  |
| Tap-off unit compatibility                  | Plug-in tap-off unit from Canalis KS<br>Plug-in tap-off unit from Canalis KT |
| Device application                          | High power distribution  |
| Material                                    | Aluminium  |
| [I <sub>e</sub> ] rated operational current | 800 A at 35 °C   |
| Polarity                                    | 3L + N + PER   |
| Number of tap-off outlets                   | 3  |
| Nominal output current                      | 25...630 A   |
| Earth conductor                             | Reinforced   |
| Short-circuit level                         | Reinforced version   |
| Length                                      | 2000 mm  |
| Provided equipment                          | Trunking unit<br>Jointing 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 | 35 kA  |
| [I <sub>pk</sub> ] rated peak withstand current       | 73 kA  |
| Electrical connection                                 | Sliding contact  |
| Radiated magnetic field                               | 0.4 μT   |
| Thermal stress limit                                  | 1225000 kA <sup>2</sup> .s   |
| THDI  | 0...15 % 800 A<br>15...33 % 1000 A<br>33...100 % 1250 A  |
| Maximum voltage drop                                  | <0.0083 V with power factor = 1 at 50 Hz with 1A for 100 m long<br><0.0081 V with power factor = 0.9 at 50 Hz with 1A for 100 m long<br><0.0076 V with power factor = 0.8 at 50 Hz with 1A for 100 m long<br><0.0069 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                                 | 500 mm   |

|                |                            |
|----------------|----------------------------|
| Standards      | IEC 61439-6<br>IEC 61439-1 |
| Dimension type | Fix                        |
| Width          | 140 mm                     |
| Height         | 74 mm                      |
| Colour         | White (RAL 9001)           |
| Net weight     | 30 kg                      |
| 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 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             | 7.4 cm   |
| Package 1 Width              | 14.0 cm  |
| Package 1 Length             | 200.0 cm |
| Package 1 Weight             | 31.0 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 |