

# Product data sheet

## Characteristics

# KTA2000ED5203

Straight distribution length, Canalis KTA, aluminium, 2000A, 3L+N+PER (Al), fixed length 2m, 3 outlets, RAL9001



### 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                                                                    |
| [Ie] rated operational current | 2000 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            | Standard version                                                             |
| Length                         | 2000 mm                                                                      |
| Provided equipment             | Trunking unit<br>Jointing 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 | 70 kA                                                                                                                                                                                                                                                                         |
| [Ipk] rated peak withstand current       | 154 kA                                                                                                                                                                                                                                                                        |
| Electrical connection                    | Sliding contact                                                                                                                                                                                                                                                               |
| Radiated magnetic field                  | 1.3 µT                                                                                                                                                                                                                                                                        |
| Thermal stress limit                     | 4900000 kA <sup>2</sup> .s                                                                                                                                                                                                                                                    |
| THDI                                     | 0...15 % 2000 A<br>15...33 % 2500 A<br>33...100 % 3200 A                                                                                                                                                                                                                      |
| Maximum voltage drop                     | <0.0029 V with power factor = 1 at 50 Hz with 1A for 100 m long<br><0.003 V with power factor = 0.9 at 50 Hz with 1A for 100 m long<br><0.0029 V with power factor = 0.8 at 50 Hz with 1A for 100 m long<br><0.0027 V with power factor = 0.7 at 50 Hz with 1A for 100 m long |
| Mounting mode                            | By hook                                                                                                                                                                                                                                                                       |
| Mounting support                         | Cantilever arm<br>Pendant                                                                                                                                                                                                                                                     |
| Installation direction                   | Vertical<br>Horizontal                                                                                                                                                                                                                                                        |
| Neutral position                         | Right                                                                                                                                                                                                                                                                         |
| Tap-off unit interval                    | 500 mm                                                                                                                                                                                                                                                                        |

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|                |                            |
|----------------|----------------------------|
| Standards      | IEC 61439-1<br>IEC 61439-6 |
| Dimension type | Fix                        |
| Width          | 140 mm                     |
| Height         | 204 mm                     |
| Colour         | White (RAL 9001)           |
| Net weight     | 52 kg                      |
| Linear load    | 26 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             | 21.9 cm  |
| Package 1 Width              | 15.0 cm  |
| Package 1 Length             | 200.0 cm |
| Package 1 Weight             | 64.0 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 |  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       |