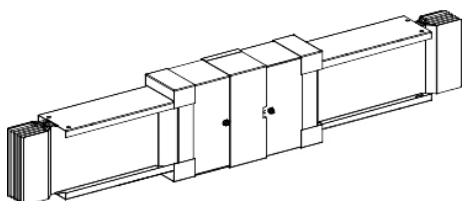


# KTA1000DB710

Straight expansion unit, Canalis KTA, aluminium, 1000A, 3L+N+PER (Cu), high I<sub>cw</sub>, fixed length 1m, white RAL9001



## Main

|                                             |                                |
|---------------------------------------------|--------------------------------|
| Range                                       | Canalis                        |
| Product name                                | KT                             |
| Product or component type                   | Expansion unit                 |
| Busbar description                          | Flexible bar                   |
| Device short name                           | KTA                            |
| Device application                          | Feeder length                  |
| Material                                    | Aluminium                      |
| [I <sub>e</sub> ] rated operational current | 1000 A at 35 °C                |
| Polarity                                    | 3L + N + PER                   |
| Number of tap-off outlets                   | 0                              |
| Length                                      | 1000 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 | 65 kA                                                                                                                                                                                                                                                                        |
| [I <sub>pk</sub> ] rated peak withstand current       | 143 kA                                                                                                                                                                                                                                                                       |
| Radiated magnetic field                               | 0.5 µT                                                                                                                                                                                                                                                                       |
| Thermal stress limit                                  | 4225000 kA².s                                                                                                                                                                                                                                                                |
| THDI                                                  | 0...15 % 1000 A<br>15...33 % 1250 A<br>33...100 % 1600 A                                                                                                                                                                                                                     |
| Maximum voltage drop                                  | <0.006 V with power factor = 1 at 50 Hz with 1A for 100 m long<br><0.006 V with power factor = 0.9 at 50 Hz with 1A for 100 m long<br><0.0056 V with power factor = 0.8 at 50 Hz with 1A for 100 m long<br><0.0052 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                                | Vertical<br>Horizontal                                                                                                                                                                                                                                                       |
| Horizontal distance                                   | 30 m                                                                                                                                                                                                                                                                         |
| Neutral position                                      | Right                                                                                                                                                                                                                                                                        |
| Earth conductor                                       | Reinforced                                                                                                                                                                                                                                                                   |
| Standards                                             | IEC 61439-6<br>IEC 61439-1                                                                                                                                                                                                                                                   |
| Dimension type                                        | Fix                                                                                                                                                                                                                                                                          |
| Width                                                 | 140 mm                                                                                                                                                                                                                                                                       |
| Height                                                | 104 mm                                                                                                                                                                                                                                                                       |
| Colour                                                | White (RAL 9001)                                                                                                                                                                                                                                                             |

|             |         |
|-------------|---------|
| Net weight  | 19 kg   |
| Linear load | 19 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             | 15.0 cm  |
| Package 1 Weight             | 20.0 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       |