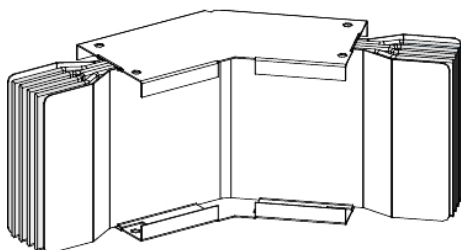


# KTA1250LP7C1

Flat elbow, Canalis KTA, aluminium, 1250A, 3L +N+PER (Cu), high l<sub>cw</sub>, N1, 2 fixed branches, made to measure angle



## Main

|                                             |                               |
|---------------------------------------------|-------------------------------|
| Range                                       | Canalis                       |
| Product name                                | KT                            |
| Product or component type                   | Elbow                         |
| Busbar description                          | Standard                      |
| Device short name                           | KTA                           |
| Device application                          | Change direction              |
| Material                                    | Aluminium                     |
| [I <sub>e</sub> ] rated operational current | 1250 A at 35 °C               |
| Polarity                                    | 3L + N + PER                  |
| Direction change type                       | Direction 1: flat to right    |
| Operating angle                             | 91...179 °                    |
| Earth conductor                             | Reinforced                    |
| Short-circuit level                         | Reinforced version            |
| Provided equipment                          | Trunking unit<br>Joining 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>lcw</sub> ] rated short-time withstand current | 65 kA                                                                                                                                                                                                                                                                         |
| [I <sub>pk</sub> ] rated peak withstand current        | 143 kA                                                                                                                                                                                                                                                                        |
| Radiated magnetic field                                | 0.75 µT                                                                                                                                                                                                                                                                       |
| Thermal stress limit                                   | 4225000 kA <sup>2</sup> .s                                                                                                                                                                                                                                                    |
| THDI                                                   | 0...15 % 1250 A<br>15...33 % 1600 A<br>33...100 % 2000 A                                                                                                                                                                                                                      |
| Maximum voltage drop                                   | <0.0049 V with power factor = 1 at 50 Hz with 1A for 100 m long<br><0.005 V with power factor = 0.9 at 50 Hz with 1A for 100 m long<br><0.0047 V with power factor = 0.8 at 50 Hz with 1A for 100 m long<br><0.0043 V with power factor = 0.7 at 50 Hz with 1A for 100 m long |
| Neutral position                                       | Right                                                                                                                                                                                                                                                                         |
| Standards                                              | IEC 61439-6<br>IEC 61439-1                                                                                                                                                                                                                                                    |
| Dimension type                                         | Fix                                                                                                                                                                                                                                                                           |
| Width                                                  | 140 mm                                                                                                                                                                                                                                                                        |
| Height                                                 | 124 mm                                                                                                                                                                                                                                                                        |
| Length                                                 | Direction 1: 300 mm<br>Direction 2: 300 mm                                                                                                                                                                                                                                    |
| Colour                                                 | White (RAL 9001)                                                                                                                                                                                                                                                              |
| Linear load                                            | 21 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             | 12.4 cm  |
| Package 1 Width              | 196.0 cm |
| Package 1 Length             | 105.0 cm |
| Package 1 Weight             | 55.0 kg  |