



## Main

|                                |                                                                                                                                                 |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                          | Canalis                                                                                                                                         |
| Product name                   | KR                                                                                                                                              |
| Product or component type      | Elbow                                                                                                                                           |
| Device short name              | KRA                                                                                                                                             |
| Product specific application   | Oil and gas<br>Water and waste water<br>Real estate and office buildings<br>Mining minerals and metals<br>Healthcare<br>Enterprise data centres |
| Device application             | Change direction                                                                                                                                |
| Material                       | Aluminium                                                                                                                                       |
| [Ie] rated operational current | 4000 A at 35 °C                                                                                                                                 |
| Polarity                       | 3L + N + PE                                                                                                                                     |
| Direction change type          | Direction 1: flat to right                                                                                                                      |
| Operating angle                | 90 °                                                                                                                                            |
| Earth conductor                | Standard earth                                                                                                                                  |
| Short-circuit level            | Standard version                                                                                                                                |

## Complementary

|                                          |                                                                                                                                                                                                                                                                               |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Housing material                         | Mineral epoxy resin                                                                                                                                                                                                                                                           |
| Contacts material                        | Tinned aluminium                                                                                                                                                                                                                                                              |
| [Ue] rated operational voltage           | 1000 V                                                                                                                                                                                                                                                                        |
| Network frequency                        | 50/60 Hz                                                                                                                                                                                                                                                                      |
| [Ui] rated insulation voltage            | 1000 V                                                                                                                                                                                                                                                                        |
| [Icw] rated short-time withstand current | 100 kA                                                                                                                                                                                                                                                                        |
| [Ipk] rated peak withstand current       | 220 kA                                                                                                                                                                                                                                                                        |
| Radiated magnetic field                  | 44.03 mT                                                                                                                                                                                                                                                                      |
| Thermal stress limit                     | 10000000 kA².s                                                                                                                                                                                                                                                                |
| Maximum voltage drop                     | <0.0026 V with power factor = 1 at 50 Hz with 1A for 100 m long<br><0.0043 V with power factor = 0.9 at 50 Hz with 1A for 100 m long<br><0.0048 V with power factor = 0.8 at 50 Hz with 1A for 100 m long<br><0.005 V with power factor = 0.7 at 50 Hz with 1A for 100 m long |
| Mounting location                        | Indoor<br>Outdoor                                                                                                                                                                                                                                                             |
| Product certifications                   | ATEX[RETURN]EAC[RETURN]CE                                                                                                                                                                                                                                                     |
| Standards                                | IEC 61439-6                                                                                                                                                                                                                                                                   |
| Dimension type                           | Made to measure                                                                                                                                                                                                                                                               |
| Width                                    | 160 mm                                                                                                                                                                                                                                                                        |
| Height                                   | 580 mm                                                                                                                                                                                                                                                                        |
| Length                                   | 300...1200 mm                                                                                                                                                                                                                                                                 |
| Colour                                   | Grey (RAL 7030)                                                                                                                                                                                                                                                               |
| Linear load                              | 137 kg/m                                                                                                                                                                                                                                                                      |

## Environment

|                              |                                                                                                                                                                                                                                                   |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IP degree of protection      | IP68 conforming to IEC 60529                                                                                                                                                                                                                      |
| IK degree of protection      | IK10 conforming to IEC 62262                                                                                                                                                                                                                      |
| Pollution degree             | 3                                                                                                                                                                                                                                                 |
| Fire resistance              | 1000 °C 90 min conforming to DIN 4102-12 2000                                                                                                                                                                                                     |
| Derating factor              | 0...35 °C (100 % of In)<br>35...40 °C (96 % of In)<br>40...45 °C (89 % of In)<br>45...50 °C (84 % of In)<br>50...55 °C (78 % of In)                                                                                                               |
| Operating altitude           | 1000 m 100 % of In (indoor)<br>2000 m 99 % of In (indoor)<br>3000 m 96 % of In (indoor)<br>4000 m 90 % of In (indoor)<br>1000 m 98 % of In (outdoor)<br>2000 m 94 % of In (outdoor)<br>3000 m 89 % of In (outdoor)<br>4000 m 83 % of In (outdoor) |
| Environmental characteristic | EMC directive conforming to IEC 61439-6                                                                                                                                                                                                           |

## Packing Units

|                              |            |
|------------------------------|------------|
| Unit Type of Package 1       | PCE        |
| Number of Units in Package 1 | 1          |
| Package 1 Height             | 58.0 cm    |
| Package 1 Width              | 30.0 cm    |
| Package 1 Length             | 120.0 cm   |
| Package 1 Weight             | 215.775 kg |

## Offer Sustainability

|                             |                                                                                                                                   |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status    | Green Premium product                                                                                                             |
| REACH Regulation            | <a href="#"> REACH Declaration</a>             |
| REACH free of SVHC          | Yes                                                                                                                               |
| EU RoHS Directive           | Compliant <a href="#"> EU RoHS Declaration</a> |
| Toxic heavy metal free      | Yes                                                                                                                               |
| 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       |
| Halogen content performance | Halogen free product                                                                                                              |