



## Main

|                                |   |
|--------------------------------|---|
| Range                          | Canalis   |
| Product name                   | KR  |
| Product or component type      | Zed elbow   |
| Device short name              | KRA   |
| Product specific application   | Oil and gas<br>Enterprise data centres<br>Healthcare<br>Real estate and office buildings<br>Water and waste water<br>Mining minerals and metals |
| Device application             | Change direction  |
| Material                       | Aluminium   |
| [Ie] rated operational current | 4000 A at 35 °C   |
| Polarity                       | 3L  |
| 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 |
| Linear resistance                        | L: X1 35 °C= 0.026 mΩ/m at Inc and 50 Hz<br>L: R20 20 °C= 0.012 mΩ/m<br>L: R1 35 °C= 0.015 mΩ/m at Inc and 50 Hz<br>L: Z1 35 °C= 0.03 mΩ/m at Inc and 50 Hz   |
| Mounting location                        | Indoor<br>Outdoor   |
| Product certifications                   | EAC[RETURN]CE[RETURN]ATEX   |
| Standards                                | IEC 61439-6   |
| Width                                    | 100 mm  |
| Height                                   | 460 mm  |
| Colour                                   | Grey (RAL 7030)   |
| Length                                   | Direction 1: 500...700 mm<br>Direction 2: 10...1000 mm<br>Direction 3: 500...700 mm   |
| Linear load                              | 102 kg/m  |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Environment

|                              |   |
|------------------------------|---|
| IP degree of protection      | IP68 conforming to IEC 60529  |
| IK degree of protection      | IK10 conforming to IEC 62262  |
| Pollution degree             | 3   |
| Fire resistance              | 760 °C 180 min conforming to IEC 60331-1  |
| 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             | 60.0 cm  |
| Package 1 Width              | 70.0 cm  |
| Package 1 Length             | 70.0 cm  |
| Package 1 Weight             | 214.2 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  |