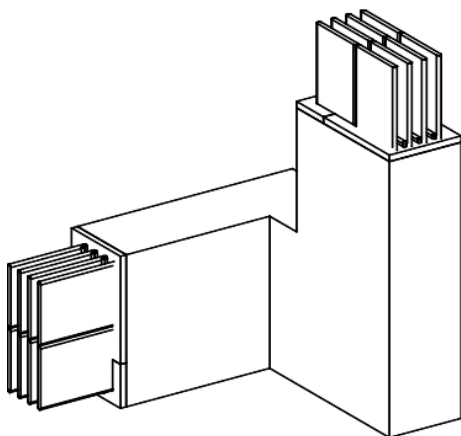


# KRA0800CP51

Edgewise and flat zed unit, Canalis KRA, aluminium, 800A, 3L+N°PE, made to measure, grey RAL7030



## Main

|                                |   |
|--------------------------------|---|
| Range                          | Canalis   |
| Product name                   | KR  |
| Product or component type      | Multiple elbow  |
| Device short name              | KRA   |
| Product specific application   | Enterprise data centres<br>Oil and gas<br>Water and waste water<br>Real estate and office buildings<br>Mining minerals and metals<br>Healthcare |
| Device application             | Change direction  |
| Material                       | Aluminium   |
| [Ie] rated operational current | 800 A at 35 °C  |
| Polarity                       | 3L + N + PE   |
| 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 | 27 kA   |
| [Ipk] rated peak withstand current       | 56 kA   |
| Radiated magnetic field                  | 8.79 mT   |
| Thermal stress limit                     | 729000 kA².s  |
| Maximum voltage drop                     | <0.0166 V with power factor = 1 at 50 Hz with 1A for 100 m long<br><0.0169 V with power factor = 0.9 at 50 Hz with 1A for 100 m long<br><0.016 V with power factor = 0.8 at 50 Hz with 1A for 100 m long<br><0.0149 V with power factor = 0.7 at 50 Hz with 1A for 100 m long   |
| Linear resistance                        | L: R20 20 °C= 0.081 mΩ/m<br>L: R1 35 °C= 0.096 mΩ/m at Inc and 50 Hz<br>L: X1 35 °C= 0.026 mΩ/m at Inc and 50 Hz<br>L: Z1 35 °C= 0.102 mΩ/m at Inc and 50 Hz<br>L - PE: R0 20 °C= 0.257 mΩ/m symmetrical components method<br>L - PE: X0 20 °C= 0.529 mΩ/m symmetrical components method<br>L - PE: Z0 20 °C= 0.588 mΩ/m symmetrical components method<br>L-N: R0 20 °C= 0.193 mΩ/m symmetrical components method<br>L-N: X0 20 °C= 0.155 mΩ/m symmetrical components method<br>L-N: Z0 20 °C= 0.247 mΩ/m symmetrical components method |
| Mounting location                        | Indoor<br>Outdoor   |
| Product certifications                   | EAC[RETURN]ATEX[RETURN]CE   |
| Standards                                | IEC 61439-6   |
| Width                                    | 90 mm   |
| Height                                   | 90 mm   |
| Colour                                   | Grey (RAL 7030)   |

|             |  |
|-------------|--|
| Length      | Direction 1: 300...700 mm<br>Direction 2: 350...700 mm<br>Direction 3: 90...700 mm |
| Linear load | 22 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              | 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             | 40.0 cm  |
| Package 1 Width              | 50.0 cm  |
| Package 1 Length             | 50.0 cm  |
| Package 1 Weight             | 32.34 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  |