

Main

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|--------------------------------|---|
| Range | Canalis |
| Product name | KR |
| Product or component type | Zed elbow |
| Device short name | KRA |
| Product specific application | Mining minerals and metals Healthcare Real estate and office buildings Water and waste water Enterprise data centres Oil and gas |
| 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

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| 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 <0.0169 V with power factor = 0.9 at 50 Hz with 1A for 100 m long <0.016 V with power factor = 0.8 at 50 Hz with 1A for 100 m long <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 L: R1 35 °C= 0.096 mΩ/m at Inc and 50 Hz L: X1 35 °C= 0.026 mΩ/m at Inc and 50 Hz L: Z1 35 °C= 0.102 mΩ/m at Inc and 50 Hz L - PE: R0 20 °C= 0.257 mΩ/m symmetrical components method L - PE: X0 20 °C= 0.529 mΩ/m symmetrical components method L - PE: Z0 20 °C= 0.588 mΩ/m symmetrical components method L-N: R0 20 °C= 0.193 mΩ/m symmetrical components method L-N: X0 20 °C= 0.155 mΩ/m symmetrical components method L-N: Z0 20 °C= 0.247 mΩ/m symmetrical components method |
| Mounting location | Outdoor Indoor |
| Product certifications | EAC[RETURN]ATEX[RETURN]CE |
| Standards | IEC 61439-6 |
| Width | 90 mm |
| Height | 90 mm |
| Colour | Grey (RAL 7030) |

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| Length | Direction 1: 350...700 mm Direction 2: 10...700 mm Direction 3: 350...700 mm |
| Linear load | 22 kg/m |






Environment

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|------------------------------|---|
| 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) 35...40 °C (96 % of In) 40...45 °C (89 % of In) 45...50 °C (84 % of In) 50...55 °C (78 % of In) |
| Operating altitude | 1000 m 100 % of In (indoor) 2000 m 99 % of In (indoor) 3000 m 96 % of In (indoor) 4000 m 90 % of In (indoor) 1000 m 98 % of In (outdoor) 2000 m 94 % of In (outdoor) 3000 m 89 % of In (outdoor) 4000 m 83 % of In (outdoor) |
| Environmental characteristic | EMC directive conforming to IEC 61439-6 |

Packing Units

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|------------------------------|----------|
| 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

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|-----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation |  REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Compliant  EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| China RoHS Regulation |  China RoHS Declaration |
| RoHS exemption information |  Yes |
| Environmental Disclosure |  Product Environmental Profile |
| Circularity Profile |  End Of Life Information |
| 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 |