



## Main

|                                |   |
|--------------------------------|---|
| Range                          | Canalis   |
| Product name                   | KR  |
| Product or component type      | Busbar trunking   |
| Busbar description             | Phase balance   |
| Device short name              | KRA   |
| Product specific application   | Oil and gas<br>Water and waste water<br>Mining minerals and metals<br>Healthcare<br>Enterprise data centres<br>Real estate and office buildings |
| Device application             | Feeder length   |
| Material                       | Aluminium   |
| [Ie] rated operational current | 4000 A at 35 °C   |
| Polarity                       | 3L + N or 3L + PE or 3L + PEN   |
| Length                         | 1000 mm   |

## 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                     | 10000 A <sup>2</sup> .s   |
| Voltage drop                             | With cos φ =1, 0.0026 V at 50 Hz with 1A for 100 m long<br>With cos φ =0.9, 0.0043 V at 50 Hz with 1A for 100 m long<br>With cos φ =0.7, 0.005 V at 50 Hz with 1A for 100 m long<br>With cos φ =0.8, 0.0048 V at 50 Hz with 1A for 100 m long |
| Mounting location                        | Indoor<br>Outdoor   |
| Installation direction                   | Horizontal  |

|                        |                   |
|------------------------|-------------------|
|                        | Vertical          |
| Earth conductor        | Standard earth    |
| Short-circuit level    | Standard version  |
| Product certifications | ATEX<br>CE<br>EAC |
| Standards              | IEC 61439-6       |
| Dimension type         | Fix               |
| Width                  | 100 mm            |
| Height                 | 460 mm            |
| Colour                 | RAL 7030 : grey   |
| Linear load            | 115 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              | 100 % of In at 0...35 °C<br>84 % of In at 45...50 °C<br>96 % of In at 35...40 °C<br>89 % of In at 40...45 °C<br>78 % of In at 50...55 °C  |
| Operating altitude           | 98 % of In at 1000 m outdoor<br>89 % of In at 3000 m outdoor<br>99 % of In at 2000 m indoor<br>90 % of In at 4000 m indoor<br>94 % of In at 2000 m outdoor<br>83 % of In at 4000 m outdoor<br>100 % of In at 1000 m indoor<br>96 % of In at 3000 m indoor |
| Environmental characteristic | EMC directive conforming to IEC 61439-6<br>Halogen free   |

## Offer Sustainability

|                                  |   |
|----------------------------------|---|
| RoHS (date code: YYWW)           | Compliant<br><a href="#">Schneider Electric declaration of conformity</a> |
| Product environmental profile    | Available<br><a href="#">Product Environmental Profile</a>                |
| Product end of life instructions | Available<br><a href="#">End of Life Information</a>                      |