

# Product data sheet

Specifications



Straight distribution length, Canalis  
KN, additional, aluminium, 40A,  
3L+N+PE, fixed length 3m, 1 outlet,  
RAL9001

KNA40ED4301

## Main

|                                |                         |
|--------------------------------|-------------------------|
| Range Of Product               | Canalis                 |
| Product Name                   | KN                      |
| Product Or Component Type      | Straight length         |
| Device Application             | Low power distribution  |
| [Ie] Rated Operational Current | 40 A at 35 °C           |
| Busbar Trunking Polarity       | 3L + PEN<br>3L + N + PE |
| Number Of Tap-Off Outlets      | 1                       |
| Length                         | 3 m                     |

## Complementary

|  |  |
|--|--|
| [Ue] Rated Operational Voltage           | 230...500 V  |
| Network Frequency                        | 50/60 Hz   |
| [Uimp] Rated Impulse Withstand Voltage   | 6 kV   |
| [Ui] Rated Insulation Voltage            | 500 V  |
| [Icw] Rated Short-Time Withstand Current | 1.4 kA   |
| [Ipk] Rated Peak Withstand Current       | 6 kA   |
| Electrical Connection                    | Lubricated sliding contact   |
| Radiated Magnetic Field                  | 0.039 µT   |
| Thermal Stress Limit                     | 1980 kA².s   |
| Thdi                                     | 0...15 % 40 A<br>15...33 % 32 A<br>33...100 % 28 A   |
| Maximum Voltage Drop                     | <0.168 V with power factor = 1 at 50 Hz with 1A for 100 m long<br><0.161 V with power factor = 0.9 at 50 Hz with 1A for 100 m long<br><0.147 V with power factor = 0.8 at 50 Hz with 1A for 100 m long<br><0.133 V with power factor = 0.7 at 50 Hz with 1A for 100 m long |
| Mounting Mode                            | By screws  |
| Neutral Position                         | Up   |
| Number Of Circuits                       | 1  |
| Control Type                             | Without  |
| Standards                                | IEC 61439-6  |
| Width                                    | 92 mm  |
| Depth                                    | 27.5 mm  |

Disclaimer: 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

|            |                  |
|------------|------------------|
| Colour     | White (RAL 9001) |
| Net Weight | 5.5 kg           |

## Environment

|                                       |   |
|---------------------------------------|---|
| Ip Degree Of Protection               | IP55 conforming to IEC 60529  |
| Ik Degree Of Protection               | IK08 conforming to IEC 62262  |
| Ambient Air Temperature For Operation | 0...35 °C (100 % of In)<br>35...40 °C (97 % of In)<br>40...45 °C (94 % of In)<br>45...50 °C (91 % of In)<br>50...55 °C (87 % of In) |

## Packing Units

|                              |            |
|------------------------------|------------|
| Unit Type Of Package 1       | PCE        |
| Number Of Units In Package 1 | 1          |
| Package 1 Height             | 3.500 cm   |
| Package 1 Width              | 10.000 cm  |
| Package 1 Length             | 310.000 cm |
| Package 1 Weight             | 5.000 kg   |
| Unit Type Of Package 2       | BB1        |
| Number Of Units In Package 2 | 4          |
| Package 2 Height             | 11.000 cm  |
| Package 2 Width              | 16.000 cm  |
| Package 2 Length             | 314.000 cm |
| Package 2 Weight             | 22.000 kg  |
| Unit Type Of Package 3       | PAL        |
| Number Of Units In Package 3 | 48         |
| Package 3 Height             | 45.400 cm  |
| Package 3 Width              | 68.000 cm  |
| Package 3 Length             | 320.000 cm |
| Package 3 Weight             | 310.200 kg |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

## Sustainability

**Green Premium™ label** is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product’s sustainability >](#)

## Well-being performance

|                       |   |     |
|-----------------------|---|-----|
| ✓                     | Reach Free Of Svhc  |     |
| ✓                     | Toxic Heavy Metal Free  |     |
| ✓                     | Mercury Free  |     |
| ✓                     | Rohs Exemption Information  | Yes |
| ✓                     | Halogen Free Product  |     |
|                       |   |     |
| Reach Regulation      | <a href="#">REACH Declaration</a>   |     |
| Eu Rohs Directive     | Compliant<br><a href="#">EU RoHS Declaration</a>  |     |
| China Rohs Regulation | <a href="#">China RoHS declaration</a><br>Pro-active China RoHS declaration (out of China RoHS legal scope)                 |     |
| Weee                  | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |     |