

## FEED THROUGH TERMINALS - ZRK 2.5-16 MM<sup>2</sup>

ZRK

3597.3

ZRK 10/2A Orange, 10mm<sup>2</sup> Tension spring, feed through

- Material polyamide 6.6
- Temperature resistance -40 °C...+120 °C
- Flammability class V0



### PRODUCT DESCRIPTION

The tension spring range of terminals for wire cross-sections from 0.2 mm<sup>2</sup> to 16 mm<sup>2</sup> includes: the ZRK/ZSL series of feed-through and PE terminals, the double-level ZRKD/ZSLD, the ZIKD three-level terminal blocks, motor-connection terminals, (blade) disconnect terminals, fused terminals, direct-mount terminals, and initiator/actuator terminals for transmitting positioning, encoder and sensors signals.

Tension spring technology is ideal for high vibration applications and will save up to 50% of the time against a traditional screw terminal.

## TECHNICAL DATA

### GENERAL DATA

|                          |                                |
|--------------------------|--------------------------------|
| Rated wire cross section | 10 mm <sup>2</sup>             |
| Colour                   | Orange                         |
| Rated voltage IEC        | 1000 V                         |
| Rated current IEC        | 57 A                           |
| Load current max         | 57 A                           |
| Mounting                 | TS 35                          |
| Rated impulse voltage    | 8 kV                           |
| Overvoltage category     | III                            |
| Contamination degree     | 3                              |
| Approvals                | UL, CSA, CSA US, KEMA KUR, EAC |

### DIMENSIONS

|                  |         |
|------------------|---------|
| Length           | 73.5 mm |
| Width            | 10.1 mm |
| Height TS 35/7.5 | 50.5 mm |

### CONNECTION DATA

|                                 |                     |
|---------------------------------|---------------------|
| Connections                     | 2                   |
| Number of levels                | 1                   |
| Plug gauge acc. EN 60 947-1     | B6                  |
| Cross connect channels          | 2                   |
| Number of test pick off options | 2                   |
| Cross section single wire from  | 1.5 mm <sup>2</sup> |

|  |                     |
|--|---------------------|
| Cross section single wire to             | 16 mm <sup>2</sup>  |
| Cross section stranded wire from         | 1.5 mm <sup>2</sup> |
| Cross section stranded wire to           | 10 mm <sup>2</sup>  |
| Cross section stranded with ferrule from | 1.5 mm <sup>2</sup> |
| Cross section stranded with ferrule to   | 10 mm <sup>2</sup>  |
| Rated wire cross section from (AWG)      | 16                  |
| Rated wire cross section to (AWG)        | 6                   |
| Stripping length                         | 18 mm               |

## MATERIALS

|                            |               |
|----------------------------|---------------|
| Insulation material        | Polyamide 6.6 |
| Flammability class         | UL94-V0       |
| Operating temperature from | -40 °C        |
| Operating temperature to   | 120 °C        |

## APPROVALS

|                         |                   |
|-------------------------|-------------------|
| Rated voltage UL        | 500 V             |
| Rated current UL        | 55 A              |
| UL test standard        | UL 1059           |
| Rated voltage CSA       | 500 V             |
| Rated current CSA       | 55 A              |
| CSA test standard       | C22.2 No 158      |
| Rated voltage CSAus     | 500 V             |
| Rated current CSAus     | 55 A              |
| CSAus test standard     | UL 1059           |
| EAC test standard       | TR ZU 004/2011    |
| KEMA KEUR test standard | EN 60947-7-1:2009 |

## ADDITIONAL DATA

|                   |          |
|-------------------|----------|
| Tariff code       | 85369010 |
| Country of origin | CZ       |
| Weight            | 26 g     |
| Pack size         | 50       |



