

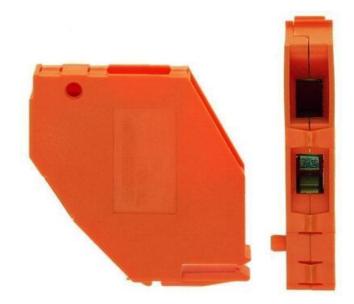
# *<b>ZCONTACLIP*

## **TK TRANSFORMER TERMINALS**

ΤK

1160.3 TK 4/10/F OG

- Modular system
- Screw & Faston versions (2.8/6.3mm)
- Touch safe VBG 4 compliant
- Polyamide 6.6 UL 94-V0



#### PRODUCT DESCRIPTION

The TK series is the original transformer terminal, which are still widely used today.

This series is a modular design using a dove-tail mechanical connection to assemble together the required number of poles for your application.

These can also be supplied pre-assembled and custom marked.

The standard version is 4mm with screw and faston connections, but there is a 'special profile' TK10 terminal which has 2 screw connections, unlike the TK4, TKS4 & TKS10 that have the solder 'hook' for the coil connection.

# **TECHNICAL DATA**

#### **GENERAL DATA**

| Rated wire cross section | 4 mm <sup>2</sup>       |
|--------------------------|-------------------------|
| Colour                   | Orange                  |
| Rated voltage IEC        | 800 V                   |
| Rated current IEC        | 32 A                    |
| Mounting                 | Transformer bobbins     |
| Rated impulse voltage    | 8 kV                    |
| Overvoltage category     | III                     |
| Contamination degree     | 3                       |
| Approvals                | UL, cUL, KEMA KUR, EAC  |
| Additional information   | with fast on connection |

### DIMENSIONS

| Length                                   | 27.8 mm             |
|--|---------------------|
| Width                                    | 75 mm               |
| Height                                   | 33.1 mm             |
| CONNECTION DATA                          |                     |
| Connections                              | 20                  |
| Plug gauge acc. EN 60 947-1              | A4                  |
| Cross section single wire from           | 0.2 mm <sup>2</sup> |
| Cross section single wire to             | 6 mm²               |
| Cross section stranded wire from         | 0.2 mm <sup>2</sup> |
| Cross section stranded wire to           | 6 mm <sup>2</sup>   |
| Cross section stranded with ferrule from | 0.2 mm <sup>2</sup> |
| Cross section stranded with ferrule to   | 4 mm <sup>2</sup>   |
| Rated wire cross section from (AWG)      | 22                  |
| Rated wire cross section to (AWG)        | 10                  |
| Stripping length                         | 9 mm                |
| Screw size                               | M 3                 |
| Screw type                               | Slotted             |
| Torque min                               | 0.5                 |
| Torque max                               | 1                   |
| MATERIALS                                |                     |
| Insulation material                      | Polyamide 6.6       |
| Flammability class                       | UL94-V0             |
| Operating temperature from               | -40 °C              |
| Operating temperature to                 | 120 °C              |
| APPROVALS                                |                     |
| Rated voltage UL                         | 600 V               |
| Rated current UL                         | 30 A                |
| UL test standard                         | UL 1059             |
| Rated voltage cUL                        | 600 V               |
| Rated current cUL                        | 30 A                |
| cUL test standard                        | C22.2 No 158        |
| EAC test standard                        | TR ZU 004/2011      |
|  |                     |

EN 60947-7-1:2009

KEMA KEUR test standard

### ADDITIONAL DATA

| Tariff code       | 85369010 |
|-------------------|----------|
| Country of origin | DE       |
| Weight            | 50.2 g   |
| Pack size         | 5        |