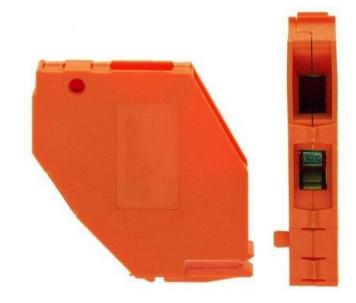


# TK TRANSFORMER TERMINALS

ΤK

1138.2 **TK 10 BG** 

- 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 mm²                  |
|--------------------------|------------------------|
| Colour                   | Beige                  |
| 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 |

### **DIMENSIONS**

| Length                      | 40.5 mm |
|-----------------------------|---------|
| Width                       | 9 mm    |
| Height                      | 41 mm   |
| CONNECTION DATA             |         |
| Connections                 | 1       |
| Plug gauge acc. EN 60 947-1 | Δ5      |

| Connections                              | 1                   |
|--|---------------------|
| Plug gauge acc. EN 60 947-1              | A5                  |
| Cross section single wire from           | 0.2 mm <sup>2</sup> |
| Cross section single wire to             | 10 mm²              |
| Cross section stranded wire from         | 0.2 mm <sup>2</sup> |
| Cross section stranded wire to           | 10 mm²              |
| Cross section stranded with ferrule from | 0.2 mm <sup>2</sup> |
| Cross section stranded with ferrule to   | 10 mm²              |
| Rated wire cross section from (AWG)      | 22                  |
| Rated wire cross section to (AWG)        | 10                  |
| Stripping length                         | 12 mm               |
| Screw size                               | M 4                 |
| Screw type                               | Slotted             |
| Torque min                               | 1.2                 |
| Torque max                               | 2                   |

# **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        | 65 A              |
| UL test standard        | UL 1059           |
| Rated voltage cUL       | 600 V             |
| Rated current cUL       | 65 A              |
| cUL test standard       | C22.2 No 158      |
| EAC test standard       | TR ZU 004/2011    |
| KEMA KEUR test standard | EN 60947-7-1:2009 |

# **ADDITIONAL DATA**

| Tariff code       | 85369010 |
|-------------------|----------|
| Country of origin | DE       |
| Weight            | 15.2 g   |
| Pack size         | 50       |