

TK TRANSFORMER TERMINALS

TK

1142.1
TK 4/2 GN

- 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 ² |
| Colour | Green |
| 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 | 20.5 mm |
| Width | 15 mm |
| Height | 33.1 mm |

CONNECTION DATA

| | |
|---|---------------------|
| Connections | 2 |
| Plug gauge acc. EN 60 947-1 | A4 |
| Cross section single wire from | 0.2 mm ² |
| Cross section single wire to | 6 mm ² |
| Cross section stranded wire from | 0.2 mm ² |
| Cross section stranded wire to | 6 mm ² |
| Cross section stranded with ferrule from | 0.2 mm ² |
| Cross section stranded with ferrule to | 4 mm ² |
| 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 |
| KEMA KEUR test standard | EN 60947-7-1:2009 |

ADDITIONAL DATA

| | |
|-------------------|----------|
| Tariff code | 85369010 |
| Country of origin | DE |
| Weight | 8 g |
| Pack size | 25 |