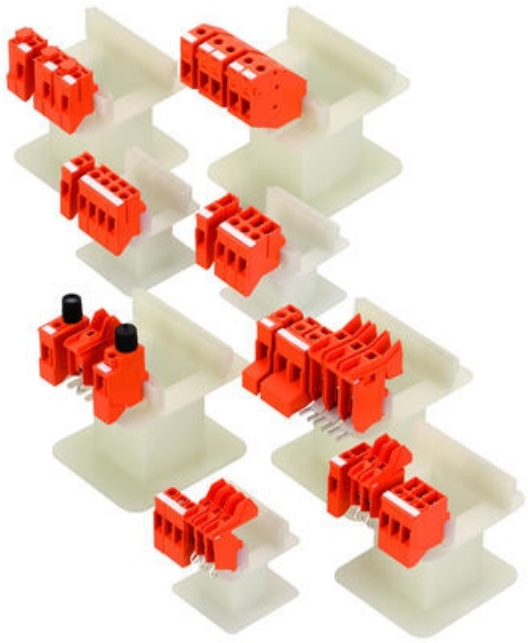
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# TKS TRANSFORMER TERMINALS

TKS

1222.1
TKS 4/1 Green 4mm², 1-pole terminal



- Compact 4,10 and 16mm connections
- Screw and Faston Versions (2.8/6.3mm)
- Touch safe VBG 4 compliant
- Polyamide 6.6 UL 94-V0

### PRODUCT DESCRIPTION

The TKS range is unique, as the cover can be clipped back to the top of the terminal, so helps prevent accidental melting of the cover when soldering the wire to the hook.

All transformer terminals feature the proven clamping yoke system which guarantees a vibration-resistant connection.
Touch safety in compliance with VBG 4 is ensured because of the closed housing design (polyamide PA 6.6 UL 94-V0).

The range includes 1, 2 & 3 pole variants that are a single mould, so are more rigid when fitted to the bobbin.

The TKS4 are suitable for cables up to 4mm² cables, TKS10 for 10mm² and the TKS16 for 16mm². The standard colours are orange and grey, but other colours are available on request.

There is also a range of matching 4mm fuse terminals that can be selected depending on fuse type and size required.

The PMC SB 7,5 quick marking system is used for labelling the transformer terminals. A large range of pre-marked makers are held in stock.

The previous TK range is still available and can be clipped together using the dove tail moulding, allowing a custom number of poles in one strip.

# TECHNICAL DATA

## GENERAL DATA

| | |
|---|---|
| **Rated wire cross section** | 4 mm² |
| **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, CSA, CSA US, KEMA KUR, EAC |

## DIMENSIONS

| | |
|---|---|
| **Length** | 20.5 mm |
| **Width** | 7.5 mm |
| **Height** | 33.1 mm |

## CONNECTION DATA

| | |
|---|---|
| **Connections** | 1 |
| **Plug gauge acc. EN 60 947-1** | A4 |
| **Number of test pick off options** | 1 |
| **Cross section single wire from** | 0.2 mm² |
| **Cross section single wire to** | 6 mm² |
| **Cross section stranded wire from** | 0.2 mm² |
| **Cross section stranded wire to** | 6 mm² |
| **Cross section stranded with ferrule from** | 0.2 mm² |
| **Cross section stranded with ferrule to** | 4 mm² |
| **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** | 27 A |

| | |
|---|---|
| **UL test standard** | UL 1059 |
| **Rated voltage CSA** | 600 V |
| **Rated current CSA** | 27 A |
| **CSA test standard** | C22.2 No 158 |
| **Rated voltage CSAus** | 600 V |
| **Rated current CSAus** | 27 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** | DE |
| **Weight** | 4 g |
| **Pack size** | 50 |

