

## TK TRANSFORMER TERMINALS

TK

1146.3  
TK 4/6 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

### DIMENSIONS

<b>Length</b>	20.5 mm
<b>Width</b>	45 mm
<b>Height</b>	33.1 mm

## CONNECTION DATA

<b>Connections</b>	6
<b>Plug gauge acc. EN 60 947-1</b>	A4
<b>Cross section single wire from</b>	0.2 mm <sup>2</sup>
<b>Cross section single wire to</b>	6 mm <sup>2</sup>
<b>Cross section stranded wire from</b>	0.2 mm <sup>2</sup>
<b>Cross section stranded wire to</b>	6 mm <sup>2</sup>
<b>Cross section stranded with ferrule from</b>	0.2 mm <sup>2</sup>
<b>Cross section stranded with ferrule to</b>	4 mm <sup>2</sup>
<b>Rated wire cross section from (AWG)</b>	22
<b>Rated wire cross section to (AWG)</b>	10
<b>Stripping length</b>	9 mm
<b>Screw size</b>	M 3
<b>Screw type</b>	Slotted
<b>Torque min</b>	0.5
<b>Torque max</b>	1

## MATERIALS

<b>Insulation material</b>	Polyamide 6.6
<b>Flammability class</b>	UL94-V0
<b>Operating temperature from</b>	-40 °C
<b>Operating temperature to</b>	120 °C

## APPROVALS

<b>Rated voltage UL</b>	600 V
<b>Rated current UL</b>	30 A
<b>UL test standard</b>	UL 1059
<b>Rated voltage cUL</b>	600 V
<b>Rated current cUL</b>	30 A
<b>cUL test standard</b>	C22.2 No 158
<b>EAC test standard</b>	TR ZU 004/2011
<b>KEMA KEUR test standard</b>	EN 60947-7-1:2009

ADDITIONAL DATA

Tariff code	85369010
Country of origin	DE
Weight	23.8 g
Pack size	10