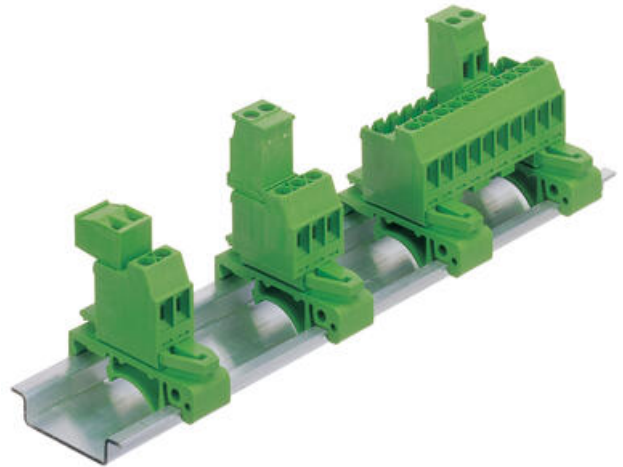


## PLUG IN DIN RAIL - PK-TS

13181.1

PK-TS/5.08/8, 8 Way pluggable socket, TS15/TS35

- TS15/25 or TS32/35 versions
- 2 pole to 24 pole
- Screw flange options
- Coding pins
- Polyamide 6.6-V-0



### PRODUCT DESCRIPTION

The pluggable PK-TS connection system was designed to meet the increasing demands for a quick modular way of connecting and disconnecting parts of electrical systems together.

For example; - if you have components, such as HMI's on a front panel, lid or door of an enclosure the PK-TS can be used to quickly disconnect from the main controls inside the panel.

The wiring which connects the two parts is fed out of one panel with the PK-TS base element. The corresponding cables are placed on their counterpart in the second panel. The PK-TS base element is attached to the DIN rail using mounting feet which are fitted either with a TS15/35 or TS32/35 combi-foot for mounting on DIN rail. There are various options for the type of wire connection for the plug-in part (push-in, clamping yoke or eccentric). The PK-TS elements are available with 2 to 24 poles and with a screw flange. The PK-TS base elements with a screw flange use this flange to connect to the pluggable wire-connection component. This protects them from accidental loosening. Wires can be connected from different directions, depending on the selection of the PK-TS combination and counterpart. To avoid incorrect mating when using several PK-TS in one panel, both the PK-TS and its counterpart can be coded without loss of poles by using our proven CONTA-CON coding system.

## TECHNICAL DATA

### GENERAL DATA

Type	Plug-in connection system
Pitch	5.08 mm
Colour	Green
Number of poles	8
Approvals	UL, cUL, VDE

### RATINGS

Rated current	10 A
Rated voltage	250 V
Rated cross section	2.5 mm <sup>2</sup>
Rated impulse voltage	4 kV
Overvoltage category	III

Contamination degree	3
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## DIMENSIONS

Length	42.5 mm
Width	42.16 mm
Width left	3.3 mm
Width right	3.3 mm
Height TS 15/5.5	35.5 mm
Height TS 35/7.5	35.5 mm
Length of pin header	20.6 mm

## CONNECTION DATA

Connector type/principle	Screw
Connector version	Fixed
Cross section single wire from	0.2 mm <sup>2</sup>
Cross section single wire to	4 mm <sup>2</sup>
Cross section stranded wire from	0.2 mm <sup>2</sup>
Cross section stranded with ferrule to	2.5 mm <sup>2</sup>
Cross section stranded wire to	2.5 mm <sup>2</sup>
Cross section stranded with ferrule from	0.25 mm <sup>2</sup>
Rated wire cross section to (AWG)	12
Rated wire cross section from (AWG)	28
Stripping length	6 mm
Screw size	M 3
Torque	0.5

## MATERIALS

Housing material	Polyamide 6.6
Flammability class	UL94-V0
Operating temperature from	-30 °C
Operating temperature to	105 °C
Contact flag	Copper alloy
Screw material	Steel
Clamp material	Brass

## APPROVALS

<b>UL test standard</b>	UL 1059
<b>Rated voltage UL</b>	300 V
<b>Rated current UL</b>	15 A
<b>cUL test standard</b>	C22.2 No 158
<b>Rated voltage cUL</b>	300 V
<b>Rated current cUL</b>	15 A
<b>VDE test standard</b>	DIN EN 61984
<b>Rated voltage VDE</b>	250 V
<b>Rated current VDE</b>	10 A
<b>Plug-in cycles acc. to standard</b>	100
<b>Tariff code</b>	85366930
<b>Pack size</b>	50
<b>Weight</b>	25.42 g
<b>Angle of wire connection/contact</b>	90° (vertically upwards)
<b>Connection cycles acc. to standard</b>	5
<b>Country of origin</b>	TN
<b>Current creepage resistance</b>	CTI 600
<b>Glow wire flammability index (GWFI)</b>	GWFI 850
<b>Glow wire ignition temperature (GWIT)</b>	GWIT 775
<b>GWFI after-glow time</b>	30 s
<b>GWIT exposure time</b>	5 s
<b>Insulation resistance</b>	1*10 <sup>13</sup> Ω x cm

