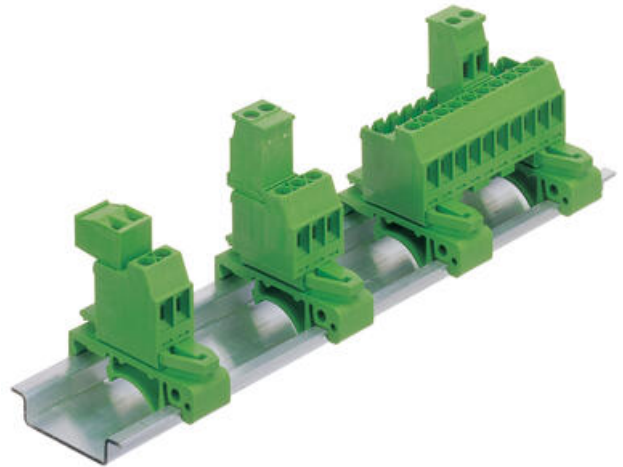


## PLUG IN DIN RAIL - PK-TS

13850.1

PK-TS/5.08/4-F, 4 Way flanged pluggable socket,  
TS32/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 | 4                         |
| 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 |
|----------------------|---|

## DIMENSIONS

|                      |          |
|----------------------|----------|
| Length               | 42.5 mm  |
| Width                | 31.64 mm |
| Width left           | 8.2 mm   |
| Width right          | 8.2 mm   |
| Height TS 32         | 40.5 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         |
| Flange insert              | 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>                           | 85366990                  |
| <b>Pack size</b>                             | 50                        |
| <b>Weight</b>                                | 12 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 |

