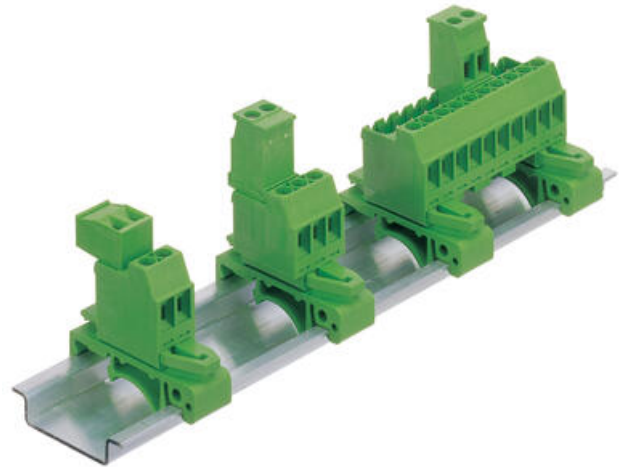


PLUG IN DIN RAIL - PK-TS

13864.1

PK-TS/5.08/18-F, 18 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 | 18 |
| Approvals | UL, cUL, VDE |

RATINGS

| | |
|-----------------------|---------------------|
| Rated current | 10 A |
| Rated voltage | 250 V |
| Rated cross section | 2.5 mm ² |
| Rated impulse voltage | 4 kV |
| Overvoltage category | III |

| | |
|----------------------|---|
| Contamination degree | 3 |
|----------------------|---|

DIMENSIONS

| | |
|----------------------|-----------|
| Length | 42.5 mm |
| Width | 102.76 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 ² |
| Cross section single wire to | 4 mm ² |
| Cross section stranded wire from | 0.2 mm ² |
| Cross section stranded with ferrule to | 2.5 mm ² |
| Cross section stranded wire to | 2.5 mm ² |
| Cross section stranded with ferrule from | 0.25 mm ² |
| 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

| | |
|--|---------------------------|
| UL test standard | UL 1059 |
| Rated voltage UL | 300 V |
| Rated current UL | 15 A |
| cUL test standard | C22.2 No 158 |
| Rated voltage cUL | 300 V |
| Rated current cUL | 15 A |
| VDE test standard | DIN EN 61984 |
| Rated voltage VDE | 250 V |
| Rated current VDE | 10 A |
| Plug-in cycles acc. to standard | 100 |
| Tariff code | 85366990 |
| Pack size | 25 |
| Weight | 56.5 g |
| Angle of wire connection/contact | 90° (vertically upwards) |
| Connection cycles acc. to standard | 5 |
| Country of origin | TN |
| Current creepage resistance | CTI 600 |
| Glow wire flammability index (GWFI) | GWFI 850 |
| Glow wire ignition temperature (GWIT) | GWIT 775 |
| GWFI after-glow time | 30 s |
| GWIT exposure time | 5 s |
| Insulation resistance | 1*10 ¹³ Ω x cm |

