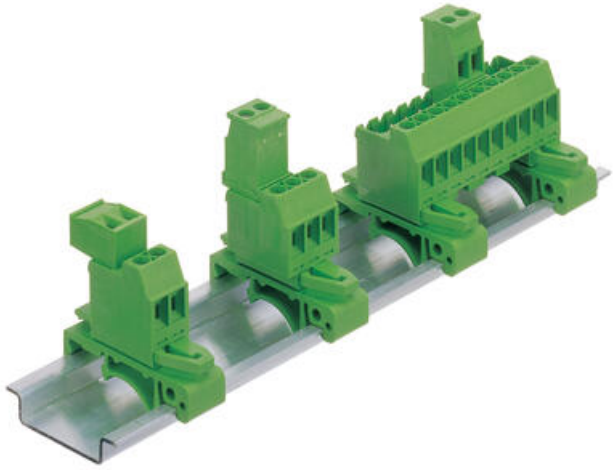
OEM Automatic Ltd
Address: Whiteacres, Whetstone Leicester, LE8 6ZG
0116 284 9900 | Orders@oem.co.uk | www.oem.co.uk

PLUG IN DIN RAIL - PK-TS

13846.1
PK-TS/5.08/23-F, 23 Way flanged pluggable scoket, 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	23
Approvals	UL, cUL, VDE

RATINGS

Rated current	10 A
Rated voltage	250 V
Rated cross section	2.5 mm²
Rated impulse voltage	4 kV
Overvoltage category	III

Contamination degree	3

DIMENSIONS

Length	42.5 mm
Width	128.16 mm
Width left	8.2 mm
Width right	8.2 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 mm²
Cross section single wire to	4 mm²
Cross section stranded wire from	0.2 mm²
Cross section stranded with ferrule to	2.5 mm²
Cross section stranded wire to	2.5 mm²
Cross section stranded with ferrule from	0.25 mm²
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	104.3 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