

#### **OEM Automatic Ltd**

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# **CONTACLIP**

### **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**

Туре	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 mm <sup>2</sup>
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 mm <sup>2</sup>
Cross section single wire to	4 mm²
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**

UL test standard         UL 1059           Rated voltage UL         300 V           Rated current UL         15 A           cUL test standard         622.2 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)         GWFI 775		
Rated current UL cUL test standard CU2.2 No 158  Rated voltage cUL Rated current cUL DIN EN 61984  Rated voltage VDE Rated current VDE DIN EN 61984  Rated current VDE  Plug-in cycles acc. to standard 100  Pack size 250  Weight 104.3 g  Angle of wire connection/contact Country of origin Current creepage resistance Glow wire flammability index (GWFI) Glow Wire Ignition temperature (GWIT) GWFI after-glow time	Pated voltage III	300 V
cUL test standard  C22.2 No 158  Rated voltage cUL  Rated current cUL  DIN EN 61984  Rated voltage VDE  Rated voltage VDE  Rated current VDE  DIN EN 61984  Rated current VDE  10 A  Plug-in cycles acc. to standard  100  Pack size  25  Weight  104.3 g  Angle of wire connection/contact  00° (vertically upwards)  Connection cycles acc. to standard  5  Country of origin  TN  Current creepage resistance  Clow wire flammability index (GWFI)  Glow wire ignition temperature (GWIT)  GWFI after-glow time	Rateu voitage OL	300 V
Rated voltage cUL 300 V Rated current cUL 15 A  VDE test standard 250 V Rated voltage VDE 250 V Rated current VDE 100 A  Plug-in cycles acc. to standard 100  Tariff code 250 V  Rated voltage VDE 250 V  Rated current VDE 100 A  Tariff code 250 V  Rated current VDE 250 V  Rated current VDE 100 A  Tariff code 250 V  Rated current VDE 250 V  Rated current VDE 100 A  Tariff code 250 V  Rated current VDE 100 A  Tariff code 250 V  Rated current vDE 100 A  Rated voltage VDE	Rated current UL	15 A
Rated current cUL 15 A  VDE test standard 250 V  Rated voltage VDE 250 V  Rated current VDE 100 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 7N  Current creepage resistance CTI 600  Glow wire flammability index (GWFI) GWFI 850  Glow wire ignition temperature (GWIT) GWFI 775	cUL test standard	C22.2 No 158
Rated voltage VDE Rated current VDE  Plug-in cycles acc. to standard  Pack size  Poeight  Angle of wire connection/contact  Country of origin  Current creepage resistance  Glow wire flammability index (GWFI)  GWFI after-glow time  DIN EN 61984  DIN EN 61984  DIN EN 61984  Rated current Coverage acc. to standard  100  100  Rated current VDE  85366990  25  Covertically upwards)  TN  Current creepage resistance  CTI 600  GWFI 850  GWFI 850  GWFI 850  GWFI after-glow time	Rated voltage cUL	300 V
Rated current VDE  Plug-in cycles acc. to standard  Tariff code  Pack size  Plug-in cycles acc. to standard  Pack size  25  Weight  104.3 g  Angle of wire connection/contact  Connection cycles acc. to standard  5  Country of origin  TN  Current creepage resistance  CITI 600  Glow wire flammability index (GWFI)  GWFI 850  GWFI 850  GWFI after-glow time	Rated current cUL	15 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	VDE test standard	DIN EN 61984
Plug-in cycles acc. to standard  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  Cit 600  Glow wire flammability index (GWFI)  Glow wire ignition temperature (GWIT)  GWFI 850  GWFI 875  GWFI after-glow time	Rated voltage VDE	250 V
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  CITI 600  Glow wire flammability index (GWFI)  GWFI 850  GWFI 850  GWFI 4fter-glow time  30 s	Rated current VDE	10 A
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  CITI 600  Glow wire flammability index (GWFI)  GWFI 850  GWFI 850  GWFI 4fter-glow time  30 s		
Pack size25Weight104.3 gAngle of wire connection/contact90° (vertically upwards)Connection cycles acc. to standard5Country of originTNCurrent creepage resistanceCTI 600Glow wire flammability index (GWFI)GWFI 850Glow wire ignition temperature (GWIT)GWIT 775GWFI after-glow time30 s	Plug-in cycles acc. to standard	100
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Connection cycles acc. to standard  Country of origin  TN  Current creepage resistance  CTI 600  Glow wire flammability index (GWFI)  GWFI 850  GWIT 775  GWFI after-glow time  30 s	Weight	104.3 g
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	Angle of wire connection/contact	90° (vertically upwards)
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	Connection cycles acc. to standard	5
Glow wire flammability index (GWFI) Glow wire ignition temperature (GWIT) GWIT 775 GWFI after-glow time 30 s	Country of origin	TN
Glow wire ignition temperature (GWIT)  GWIT 775  GWFI after-glow time  30 s	Current creepage resistance	CTI 600
GWFI after-glow time 30 s	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	GWIT exposure time	5 s
Insulation resistance $1*10^{13} \Omega \times cm$	Insulation resistance	1*10^13 Ω x cm



