

OEM Automatic Ltd

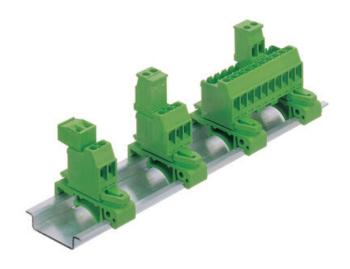
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CONTACLIP

PLUG IN DIN RAIL - PK-TS

13850.1 PK-TS/5.08/4-F, 4 Way flanged pluggable scoket, 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

Туре	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 ²
Rated impulse voltage	4 kV
Overvoltage category	III

Length 42.5 mm Width left 8.2 mm Width right 8.2 mm Height TS 32 40.5 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 stranded wire from 0.2 mm² Cross section stranded wire from 0.2 mm² Cross section stranded with ferrule 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	Contamination degree	3
Width 31.64 mm Width left 8.2 mm Width right 8.2 mm Height TS 32 40.5 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 from 0.2 mm² Cross section stranded with ferrule to 2.5 mm² Cross section stranded with ferrule from 0.26 mm² Rated wire cross section to (AWG) 12 Rated wire cross section from (AWG) 28 Stripping length 6 mm Screw size M 3 ATTORUS 0.5 MATERIALS Housing material Polyamide 6.6 Finamability class U.94-V0 Operating temperature from -00°C Operating temperature to 105°C Contact flag Copper alloy Classed Evene material Classed Evene material	DIMENSIONS	
Width left 8.2 mm Width right 8.2 mm Height TS 32 40.5 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 Rated wire cross section from (AWG) 12 Rated wire cross section from (AWG) 8 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 from -30 °C Operating temperature to 105 °C Contact flag Copper alloy Screw material Sleel	Length	42.5 mm
Width right 8.2 mm Height TS 32 40.5 mm Length of pin header 20.8 mm CONNECTION DATA Connector typelprinciple Screw Connector version Fixed Cross section single wire from 0.2 mm² Cross section stranded wire from 0.2 mm² Cross section stranded with ferrule to 2.5 mm² Cross section stranded with ferrule from 0.25 mm² Cross section stranded with ferrule from 0.25 mm² Attack wire cross section from (AWG) 12 Rated wire cross section from (AWG) 28 Stripping length 6 mm Screw size M 3 ATERIALS Housing material Polyamide 6.6 Flammability class UL94-V0 Operating temperature from -30 °C Operating temperature from -30 °C Operating temperature to 10.5 °C Contact flag Copper alloy Screw material Steel	Width	31.64 mm
Height TS 32 40.5 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 with ferrule from 0.25 mm² Cross section stranded with ferrule from 0.25 mm² Rated wire cross section from (AWG) 12 Rated wire cross section from (AWG) 28 Stripping length 6 mm Screw size M.3 MATERIALS MATERIALS Housing material Polyamide 6.6 Flammability class UL94-V0 Operating temperature from -30 °C Operating temperature from -30 °C Operating temperature from -30 °C Contact flag Copper alloy Screw material Steel	Width left	8.2 mm
Height TS 357.5 35.5 mm CONNECTION DATA Screw 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 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 U.94-V0 Operating temperature from -30 °C Operating temperature from 105 °C Contact flag Copper alloy Screw material Brass	Width right	8.2 mm
Connector type/principle Screw Connector version Fixed Cross section single wire from 0.2 mm² Cross section stranded wire from 0.25 mm² Cross section stranded wire 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 U.94-V0 Operating temperature from -30 °C Operating temperature from 105 °C Contact flag Copper alloy Screw material Brass	Height TS 32	40.5 mm
CONNECTION DATA Connector type/principle Connector version Fixed Conses 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 wire from 0.2 mm² Cross section stranded with ferrule to 2.5 mm² Cross section stranded with ferrule from 0.25 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 M3 Torque 0.5 MATERIALS Housing material Polyamide 6.6 Flammability class UL94-V0 Operating temperature from 3.0 °C Contact flag Copper alloy Screw material Steel Clamp material Brass	Height TS 35/7.5	35.5 mm
Connector type/principle Screw Connector version Fixed Cross section single wire from 0.2 mm² Cross section stranded wire from 0.2 mm² Cross section stranded with ferrule to 2.5 mm² Cross section stranded with ferrule from 0.25 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	Length of pin header	20.6 mm
Connector version Fixed Cross section single wire from 0.2 mm² Cross section stranded wire from 0.2 mm² Cross section stranded with ferrule to 2.5 mm² Cross section stranded with ferrule from 0.25 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 MATERIALS Housing material Polyamide 6.6 Flammability class UL94-V0 Operating temperature from -30 °C Contact flag Copper alloy Screw material Steel Clamp material Brass	CONNECTION DATA	
Cross section single wire from 0.2 mm² Cross section stranded wire from 0.2 mm² Cross section stranded wire from 0.2 mm² Cross section stranded with ferrule to 2.5 mm² Cross section stranded with ferrule from 0.25 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 M3 Torque 0.5 MATERIALS Housing material Polyamide 6.6 Flammability class UL94-V0 Operating temperature from 3.0 °C Contact flag Corper alloy Screw material Steel Comp material Steel	Connector type/principle	Screw
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 M3 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 Screw material Steel Clamp material Brass	Connector version	Fixed
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 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	Cross section single 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 M3 Torque 0.5 MATERIALS Housing material Polyamide 6.6 Flammability class UL94-V0 Operating temperature from 105 °C Contact flag Copper alloy Screw material Steel Clamp material Brass	Cross section single wire to	4 mm²
Cross section stranded wire to Cross section stranded with ferrule from Rated wire cross section to (AWG) Rated wire cross section from (AWG) Rated wire cross section from (AWG) Stripping length Grow size M3 Torque MATERIALS Housing material Polyamide 6.6 Flammability class UL94-V0 Operating temperature from Operating temperature to Contact flag Screw material	Cross section stranded wire from	0.2 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 M3 Torque 0.5 MATERIALS Housing material Polyamide 6.6 Flammability class UL94-V0 Operating temperature from 30°C Contact flag Copper alloy Screw material Steel Clamp material Brass	Cross section stranded with ferrule to	2.5 mm ²
Rated wire cross section to (AWG) Rated wire cross section from (AWG) Stripping length 6 mm Screw size M3 Torque 0.5 MATERIALS Housing material Polyamide 6.6 Flammability class UL94-V0 Operating temperature from -30 °C Contact flag Copper alloy Screw material Steel Clamp material Brass	Cross section stranded wire to	2.5 mm²
Rated wire cross section from (AWG)28Stripping length6 mmScrew sizeM 3Torque0.5MATERIALSHousing materialPolyamide 6.6Flammability classUL94-V0Operating temperature from-30 °COperating temperature to105 °CContact flagCopper alloyScrew materialSteelClamp materialBrass	Cross section stranded with ferrule from	0.25 mm²
Stripping length6 mmScrew sizeM 3Torque0.5MATERIALSHousing materialPolyamide 6.6Flammability classUL94-V0Operating temperature from-30 °COperating temperature to105 °CContact flagCopper alloyScrew materialSteelClamp materialBrass	Rated wire cross section to (AWG)	12
Screw sizeM 3Torque0.5MATERIALSHousing materialPolyamide 6.6Flammability classUL94-V0Operating temperature from-30 °COperating temperature to105 °CContact flagCopper alloyScrew materialSteelClamp materialBrass	Rated wire cross section from (AWG)	28
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	Stripping length	6 mm
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 Brass	Screw size	M 3
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 Brass	Torque	0.5
Flammability classUL94-V0Operating temperature from-30 °COperating temperature to105 °CContact flagCopper alloyScrew materialSteelClamp materialBrass	MATERIALS	
Operating temperature from-30 °COperating temperature to105 °CContact flagCopper alloyScrew materialSteelClamp materialBrass	Housing material	Polyamide 6.6
Operating temperature to105 °CContact flagCopper alloyScrew materialSteelClamp materialBrass	Flammability class	UL94-V0
Contact flag Copper alloy Screw material Steel Clamp material Brass	Operating temperature from	-30 °C
Screw material Clamp material Brass	Operating temperature to	105 °C
Clamp material Brass	Contact flag	Copper alloy
	Screw material	Steel
Flange insert Brass	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	50
Weight	12 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

