

Power Connectors

HPT Series



HPT Series

HPT Series connectors are suitable for AC power supply where a durable latch locking connector is required. They are rated at 16A, 250 Vac. HPT Series connectors can be connected or disconnected under load and are IP65 rated.



Features:

- 2 + PE contact layout
- Quick release, vibration resistant latch lockable
- High impact UV resistant material
- True Mains Connector with Current Breaking Capacity (CBC)
- 16A current rating (20A USA)
- Industry standard mating interface
- IP65 rated
- US. Patents (10,186,804)(D839,193)(B840,341)
- UL498 certified
- UL50E enclosure type 4 (when mated or in combination with protective caps)

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	CONTACT TYPE	SHELL COLOUR	PART NUMBER
			3 pole, Outlet Cable connector, Locking, Thermoplastic shell, Screw terminals, Lockable backshell	Screw	Black	HPT-3-F
			3 pole, Inlet Cable connector, Locking, Thermoplastic shell, Screw terminals, Lockable backshell	Screw	Black	HPT-3-M
			3 pole, Chassis Inlet connector, Thermoplastic shell, 1/4" flat tab terminals	Tab 1/4"	Black/ Yellow	HPT-3-MD
			3 pole, Chassis Inlet connector, Thermoplastic shell, without insulation divider, 1/4" flat tab terminals	Tab 1/4"	Black/ Yellow	HPT-3-MDW
			3 pole, Chassis Outlet connector, Thermoplastic shell, 1/4" flat tab terminals	Tab 1/4"	Black/ Yellow	HPT-3-FD
			3 pole, Chassis Outlet connector, Thermoplastic shell, without insulation divider, 1/4" flat tab terminals	Tab 1/4"	Black/ Yellow	HPT-3-FDW
			3 pole, Chassis Inlet-Outlet combination, Thermoplastic shell, 1/4" flat tab terminals	Tab 1/4"	Black/ Yellow	HPT-3-CC

PRODUCT - FIGURE	DRAWING	DESCRIPTION	COLOUR	PART NUMBER
		Protective sealing cap with stainless steel lanyard to suit HPT-3-MD / HPT-3-MDW	Black	HPT-CAPM
		Protective sealing cap with stainless steel lanyard to suit HPT-3-FD / HPT-3-FDW	Black	HPT-CAPF
		Protective sealing cap with stainless steel lanyard to suit HPT-3-CC	Black	HPT-CAPD
		Protective Self-closing sealing cap with stainless steel spring to suit HPT-3-MD / HPT-3-MDW	Black	HPT-CAPSM
		Protective Self-closing sealing cap with stainless steel spring to suit HPT-3-FD / HPT-3-FDW	Black	HPT-CAPSF
		Protective Self-closing sealing cap with stainless steel spring to suit HPT-3-CC	Black	HPT-CAPSD
		Cable connector backshell lock release tool	Black	HPT-RT

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STANDARD DATA HPT SERIES CONNECTORS

		VALUE
GENERAL CHARACTERISTICS	Number of contacts	2 + PE
	Termination - Cable Connector - Chassis Mount	2mm Hex key screw terminal Flat Tab 1/4"
	Flammability	UL94V-0
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU
ELECTRICAL CHARACTERISTICS	Rated Operating Voltage	250VAC
	Test Voltage AC RMS	1500V
	Current carrying capacity	16A (20A USA)
	Typical Contact Resistance	≤2mΩ
	Insulation Resistance (initial)	≥2GΩ
	Insulation Resistance (after damp heat test)	≥0.1GΩ
CLIMATIC CHARACTERISTICS	Protection Class	IP65, UL50E enclosure type 4 (in mated or in combination with protective caps)
	Operating Temperature	-25 °C to +80 °C (-13°F to +176°F)
MECHANICAL CHARACTERISTICS	Weight** - Chassis Connector - Cable Plug	15g (0.033lb) / 25g (0.055lb) 40g (0.088lb)
	Typical Cable retention force	Subject to cable material and O.D.
	Cable O.D range	6.0 -12.0 mm with lockable backshell 7.5 -16.0 mm with non-lockable backshell
	Conductor Size - Screw Terminals	2.5mm ² (AWG12)
	MATERIALS	Connector Shell / Finish
Insulators		PA66 GF30
Cable Boot / Backshell		Neoprene / PBT
Contact Plug - Material / Plating		Copper Alloy / Silver
Contact Chassis - Material / Plating		Copper Alloy / Silver

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**Approximate weight in grams not including packaging. Please contact us for exact weight for shipping purposes.