

HPT HPT Series™ Power Power Connectors & Accessories



Our **HPT Series™ Power Connectors and Accessories**, an extension of our highly successful HP Series™ (Blue/Grey) Power Connector line, brings significant safety and reliability improvements to the marketplace! Designed to be fully plug compatible with both the original and latest industry standard products, UL Recognized and VDE approved to IEC 61984 to 5,000 circuit-breaking mating cycles. With an easier-to-use, innovative, patented, cable clamp lock design safety feature, the HPT Series™ is an ideal "first choice", or "drop in" replacement, for your lighting fixture, video wall, special effects, powered loud speaker or power distribution interconnect needs.

HPT Series™ Power Connectors are perfect for AC power supply where a durable, latched, twist-locking, circuit-breaking connector is required, and are rated at 20A @ 250V. HPT Series™ Power Connectors can be connected or disconnected under load and are IP65 rated.

Market Applications: Entertainment & Broadcast Lighting, LED Video Walls, Stage Power Distribution Boxes, and Powered Loud Speakers

Features

- 2+PE contact layout
- 20A @ 250V (16A @ 250V EU)
- VDE approved to IEC 61984 to 5,000 circuit-breaking mating cycles for lowest cost of maintenance*
- Quick release, easy on the thumb, vibration resistant latch
- High impact, UV resistant materials
- True Mains Connector with Current Breaking Capacity (CBC)
- Industry standard mating interface
- IP65 & UL50E Type 4 Enclosure rated (in mated condition or in conjunction with our accessory covers)
- Standard inline versions are UL rated for 14-3 SO OD cordage with a locking cable clamp**
- Jumbo versions ("J") are UL rated for 12-3 SO OD cordage without a locking cable clamp**
- U.S. Patents: 10,186,804; D839,193; B840,341
- Licensed under the following global patents: US 10823914B2, JP 6705027B2, HK 40009428A, EP 3514892B1, EP 3641070A1, DE 102018101431A1, CN 110071397A



*Compared to competitors' products VDE approved to IEC 60320 Appliance Coupler Standard at 50 circuit-breaking cycles.
**In order to accommodate the larger OD's of the 600V "SO" Cord in our jumbo connector design, the backshell locking feature was eliminated from the "Jumbo" designs. While the locking back shell is an added personnel safety feature, it is not a requirement of the NEC or UL.

IMPORTANT: This is the First UL Recognized Inline Connector on the market that accommodates up to 12-3 "SO" (600V) Portable Cord as REQUIRED in "Extra Hard Usage" Applications as defined by the NEC. (See Table 400.4 of NFPA 70: National Electrical Code (NEC) 2017 Edition.)

Your Global Audio, LED Display & Lighting Interconnect Expert
North America Customer Service +1 800 394 7732

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HPT Series™ Characteristics

Number of Contacts	2 + PE
Cable Connector Termination	2mm Hex Key Screw Terminal
Chassis Mount Termination	Flat Tab 1/4"
Flammability	UL94V-0
Environmental	Complies with EU RoHS 2 Directive 2011/65/EU
Rated Operating Voltage	250VAC
Test Voltage AC RMS	1500V
Current Carrying Capacity	20A (16A EU)
Mechanical Mating Cycles	>5,000
Circuit-Breaking Cycles (Under Load)	>5,000
Typical Contact Resistance	≤2mΩ
Insulation Resistance (initial)	≥2GΩ
Insulation Resistance (after damp heat test)	≥0.1GΩ
Protection Class	IP65 (in mated or in combination with protective caps)
Operating Temperature	-25°C to +80°C (-13°F to +176°F)
Chassis Connector Weight*	15g (0.033lb) / 25g (0.055lb)
Cable Plug Weight*	40g (0.088lb)
Typical Cable Retention Force	Subject to cable material and O.D.
Cable O.D Range-Lockable Backshell	6.0 -12.0mm
Cable O.D Range-Non-Lockable Backshell	7.5 -16.0mm
Screw Terminals Conductor Size	2.5mm ² (AWG12)
Connector Shell / Finish	PA66 GF30 / Black
Insulators	PA66 GF30
Cable Boot / Backshell	Neoprene / PBT
Contact Plug - Material / Plating	Copper Alloy / Silver
Contact Chassis - Material / Plating	Copper Alloy / Silver

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

Accessories

Unlike our competitor's one-piece molded lanyard closure cap design, our more robust, bead chain design allows easy replacement by simply unscrewing a single mounting screw from the panel mount connector, slipping our bead chain lanyard under the panel mount screw hole, then reassembling the screw. This is a significant labor savings and will allow easy field replacement, no matter the location, while maintaining both IP65 and 3rd party certification even when applied to competitive panel mount base gasket and connectors. We also offer spring-closure caps for all 3 sizes of panel mount connectors for an additional level of protection for unmated connections.



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HPT Series™ Power Connectors and Accessories

Image	Part Number	Description	Contact Type
	HPT-3-F	3 Pole, Outlet Cable Connector, Locking, Thermoplastic Shell, Screw Terminals (14-3 SO Cord OD Capacity) Locking Backshell	Screw
	HPT-3-FJ	3 Pole, Outlet Cable Connector, Locking, Thermoplastic Shell, Screw Terminals (12-3 SO Cord OD Capacity) Non-Locking Backshell	Screw
	HPT-3-M	3 Pole, Inlet Cable Connector, Locking, Thermoplastic Shell, Screw Terminals (16-3 SO Cord OD Capacity) Locking Backshell	Screw
	HPT-3-MJ	3 Pole, Inlet Cable Connector, Locking, Thermoplastic Shell, Screw Terminals (12-3 SO Cord OD Capacity) Non-Locking Backshell	Screw
	HPT-3-MD	3 Pole, Chassis Inlet Connector, Thermoplastic Shell, 1/4" Flat Tab Terminals	1/4" Flat Tab
	HPT-3-MDW	3 Pole, Chassis Inlet Connector, Thermoplastic Shell, Without Insulation Divider, 1/4" Flat Tab Terminals	1/4" Flat Tab
	HPT-3-FD	3 Pole, Chassis Outlet Connector, Thermoplastic Shell, 1/4" Flat Tab Terminals	1/4" Flat Tab
	HPT-3-FDW	3 Pole, Chassis Outlet Connector, Thermoplastic Shell, Without Insulation Divider, 1/4" Flat Tab Terminals	1/4" Flat Tab
	HPT-3-CC	3 Pole, Chassis Inlet-Outlet Combination, Thermoplastic Shell, 1/4" Flat Tab Terminals	1/4" Flat Tab
	HPT-CAPM	Protective Sealing Cap w/ Stainless Steel Lanyard for HPT-3-MD / HPT-3-MDW	-
	HPT-CAPF	Protective Sealing Cap w/ Stainless Steel Lanyard for HPT-3-FD / HPT-3-FDW	-
	HPT-CAPD	Protective Sealing Cap w/ Stainless Steel Lanyard for HPT-3-CC	-
	HPT-CAPSM	Protective Self-Closing Sealing Cap w/ Stainless Steel Spring for HPT-3-MD / HPT-3-MDW	-
	HPT-CAPSF	Protective Self-Closing Sealing Cap w/ Stainless Steel Spring for HPT-3-FD / HPT-3-FDW	-
	HPT-CAPSD	Protective Self-Closing Sealing Cap w/ Stainless Steel Spring for HPT-3-CC	-
	HPT-RT	Cable Connector Backshell Lock Release Tool	-

For more information, contact: North America Customer Service, +1 800 394 7732, csr@amphenol-sine.com

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