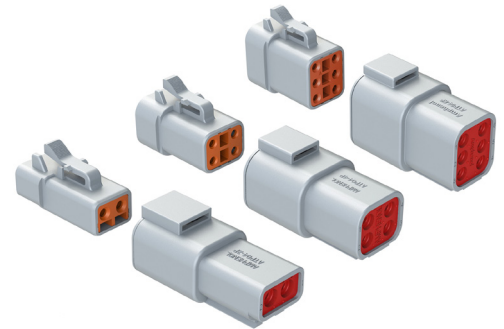




# ATP ATPSeries™



## High-Performance Rectangular Connectors

### Available in 2, 4 and 6 Position

Amphenol Sine Systems **ATP Series™ Connectors** are designed as a high-performance, cost-effective, thermoplastic solution with superior environmental seals, seal retention capabilities and are designed for use with 10-14AWG with size 12 contacts handling up to 25A. Also available in our StructurePlus™, HYPERBUSS™ and PanelMate™ Series of connectors. In addition, all of our ATP Series™ connectors have been developed to be completely compatible with all other existing standard products industry-wide.

**Applications:** Marine, Heavy Equipment, Agricultural, Automotive, Alternative Energy, as well as other demanding interconnect applications

### Technical Specifications

Operating Temperature	-55°C to +125°C
Max Amperage	25A
Housing/Wedge Body	Thermoplastic
Seals	Silicone Elastomer
Wire Range (AWG)	10-14AWG
Contacts	Copper Alloy, Nickel-Plated (Gold Optional)
Current Rating	Size 12 contacts rated at 25A continuous at +125°C. Current is fully rated without derating curve.
IP Rating	IP68 (1M of water for 24 hours)
Vibration	Continued continuity without degradation to mechanical or physical attributes following vibration. (max acceleration 20 g's at Sine sweep of 10-2000Hz)
Dielectric Value	Current leak less than 2 milliamps at 1500 VAC
Corrosion Resistance	No evidence of corrosion after 48 hours of salt spray per MIL-STD1344, method 1001.

Fluid Resistance	Connectors show no damage when exposed to most fluids used in industrial application.
Insulation Resistance	1000 megohms minimum 25°C
Contact Retention	70lbs. for Size 12 contacts
Thermal Cycle	No cracking, chipping or leaking after 20 test cycles from -55°C to +125°C.
Physical Shock	No unlocking, unmating or other unsatisfactory results during or after 50 G's in each of three usually perpendicular planes. No electrical discontinuities longer than 1 microsecond. MIL-STD 202. Method 213, Condition "C".
Contact Millivolt Drop	Size 12 contacts with 12AWG conductor - 60mV (solid contact) drop max; 100mV (stamped & formed contact) drop max at 25A test current
Vibration	Maintains continuity and exhibits no mechanical or physical damage after vibration levels of 20 G's at 10-2000 Hz.
Mating Cycles	No electrical or mechanical defects after 100 cycles of engagement and disengagement.










**A Series™ Family**









Standard products. Custom solutions  
Customer Service +1 800 394 7732

ATP Series™ 2 Position Plugs and Wedgelocks

Image	Part Number	Description	Contact Size	Amperage
	ATP06-2S	2 Position, ATP Series™, Plug, Socket, Grey	12	25A
	ATP06-2S-BLK	2 Position, ATP Series™, Plug, Socket, Black	12	25A
	ATP06-2S-EC01	2 Position, ATP Series™, Plug, Socket, End Cap, Grey	12	25A
	ATP06-2S-RD01	2 Position, ATP Series™, Plug, Socket, Reduced Diameter Seal, Grey	12	25A
	ATP06-2S-RD01BK	2 Position, ATP Series™, Plug, Socket, Reduced Diameter Seal, Black	12	25A
	AWP-2S	2 Position, ATP Series™, Plug Wedgelock, Orange	-	-
	AWP-2S*	2 Position, ATP Series™, Plug Wedgelock, Keying/Color Options Options: *-2SA: Keyed A, Grey; *-2SB: Keyed B, Black; *-2SC: Keyed C, Green; *-2SD: Keyed D, Brown	-	-

ATP Series™ 2 Position Receptacles and Wedgelocks

	ATP04-2P	2 Position, ATP Series™, Receptacle, Pin, Grey	12	25A
	ATP04-2P-BLK	2 Position, ATP Series™, Receptacle, Pin, Black	12	25A
	ATP04-2P-EC01	2 Position, ATP Series™, Receptacle, Pin, End Cap, Grey	12	25A
	ATP04-2P-RD01	2 Position, ATP Series™, Receptacle, Pin, Reduced Diameter Seal, Grey	12	25A
	AWP-2P	2 Position, ATP Series™, Receptacle Wedgelock, Orange	-	-
	AWP-2P*	2 Position, ATP Series™, Receptacle Wedgelock, Keying/Color Options Options: *-2PA: Keyed A, Grey; *-2PB: Keyed B, Black; *-2PC: Keyed C, Green; *-2PD: Keyed D, Brown	-	-

ATP Series™ 2 Position Plug and Receptacle Kits

Image	Part Number	Description	Contact Size	Amperage
	ATP06-2S-KIT01	2 Position, Kit, ATP Series™ (1) Plug, (2) Socket Contacts, (1) Orange Wedgelock	12	25A
	ATP04-2P-KIT01	2 Position, Kit, ATP Series™ (1) Receptacle, (2) Pin Contacts, (1) Orange Wedgelock	12	25A
	ATP2PS-CKIT	2 Position, Kit, ATP Series™ (1) Plug, (2) Socket Contacts, (1) Orange Plug Wedgelock (1) Receptacle, (2) Pin Contacts, (1) Orange Receptacle Wedgelock	12	25A

ATP Series™ 4 Position Plugs and Wedgelocks

	ATP06-4S	4 Position, ATP Series™, Plug, Socket, Grey	12	25A
	ATP06-4S-BLK	4 Position, ATP Series™, Plug, Socket, Black	12	25A
	ATP06-4S-EC01	4 Position, ATP Series™, Plug Socket, End Cap, Grey	12	25A
	ATP06-4S-RD01	4 Position, ATP Series™, Plug, Socket, Reduced Diameter Seal, Grey	12	25A
	ATP06-4S-RD01BK	4 Position, ATP Series™, Plug, Socket, Reduced Diameter Seal, Black	12	25A
	AWP-4S	4 Position, ATP Series™, Plug Wedgelock, Orange	-	-
	AWP-4S*	4 Position, ATP Series™, Plug Wedgelock, Keying/Color Options Options: *-4SA: Keyed A, Grey; *-4SB: Keyed B, Black; *-4SC: Keyed C, Green; *-4SD: Keyed D, Brown	-	-

ATP Series™ 4 Position Receptacles and Wedgelocks

	ATP04-4P	4 Position, ATP Series™, Receptacle, Pin, Grey	12	25A
	ATP04-4P-BLK	4 Position, ATP Series™, Receptacle, Pin, Black	12	25A
	ATP04-4P-EC01	4 Position, ATP Series™, Receptacle, Pin, End Cap, Grey	12	25A
	ATP04-4P-RD01	4 Position, ATP Series™, Receptacle, Pin, Reduced Diameter Seal, Grey	12	25A
	AWP-4P	4 Position, Receptacle Wedgelock, Orange	-	-
	AWP-4P*	4 Position, ATP Series™, Receptacle Wedgelock, Keying/Color Options Options: *-4PA: Keyed A, Grey; *-4PB: Keyed B, Black; *-4PC: Keyed C, Green; *-4PD: Keyed D, Brown	-	-

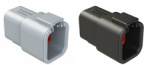








ATP Series™ 4 Position Plug and Receptacle Kits

Image	Part Number	Description	Contact Size	Amperage
	ATP06-4S-KIT01	4 Position, Kit, ATP Series™ (1) Plug, (4) Socket Contacts, (1) Orange Wedgelock	12	25A
	ATP04-4P-KIT01	4 Position, Kit, ATP Series™ (1) Receptacle, (4) Pin Contacts, (1) Orange Wedgelock	12	25A
	ATP4PS-CKIT	4 Position, Kit, ATP Series™ (1) Plug, (4) Socket Contacts, (1) Orange Plug Wedgelock (1) Receptacle, (4) Pin Contacts, (1) Orange Receptacle Wedgelock	12	25A




ATP Series™/StructurePlus™ ATP 6 Position Plugs and Wedgelocks

	ATP06-6S	6 Position, ATP Series™, Plug, Socket, Grey	12	25A
	ATP06-6S-BLK	6 Position, ATP Series™, Plug, Socket, Black	12	25A
	ATP06-6S-EC01	6 Position, ATP Series™, Plug, Socket, Endcap, Grey	12	25A
	ATP06-6S-EC01BK	6 Position, ATP Series™, Plug, Socket, Endcap, Black	12	25A
	ATP06-6S-MM01	6 Position, ATP Series™, Plug, Socket, Endcap, Reduced Diameter Seal, Grey	12	25A
	ATP06-6S-MM01BK	6 Position, ATP Series™, Plug, Socket, Endcap, Reduced Diameter Seal, Black	12	25A
	ATP06-6S-RD01	6 Position, ATP Series™, Plug, Socket, Reduced Diameter Seal, Grey	12	25A
	ATP06-6S-RD01BK	6 Position, ATP Series™, Plug, Socket, Reduced Diameter Seal, Black	12	25A
	ATP06-6S-OM*	6 Position, StructurePlus™ ATP, Plug, Socket, Color Options Options: *-OMBLK: Black; *-OMBLU: Blue; *-OMBRN: Brown; *-OMGRN: Green; *-OMGRY: Grey; *-OMRED: Red; *-OMWHT: White; *-OMYEL: Yellow	12	25A
	ATP06-6S-OMRD*	6 Position, StructurePlus™ ATP, Plug, Socket, Red. Dia. Seal, Color Options Options: *-OMRDBLK: Black; *-OMRDBLU: Blue; *-OMRDBRN: Brown; *-OMRDGRN: Green; *-OMRDGRY: Grey; *-OMRDRED: Red; *-OMRDWHT: White; *-OMRDYEL: Yellow	12	25A
	AWP-6S	6 Position, ATP Series™/StructurePlus™ ATP, Plug Wedgelock, Orange	-	-
	AWP-6SA	6 Position, ATP Series™/StructurePlus™ ATP, Plug Wedgelock, Keyed A, Grey	-	-
	AWP-6SB	6 Position, ATP Series™/StructurePlus™ ATP, Plug Wedgelock, Keyed B, Black	-	-

## ATP Series™/HYPERBUS™ ATP 6 Position Receptacles and Wedgelocks

Image	Part Number	Description	Contact Size	Amperage	
	ATP04-6P	6 Position, ATP Series™, Receptacle, Pin, Grey	12	25A	
	ATP04-6P-BLK	6 Position, ATP Series™, Receptacle, Pin, Black	12	25A	
	ATP04-6P-EC01	6 Position, ATP Series™, Receptacle, Pin, End Cap, Grey	12	25A	
	ATP04-6P-EC01BK	6 Position, ATP Series™, Receptacle, Pin, End Cap, Black	12	25A	
	ATP04-6P-MM01	6 Position, ATP Series™, Receptacle, Pin, End Cap, Red. Dia. Seal, Grey	12	25A	
	ATP04-6P-MM01BK	6 Position, ATP Series™, Receptacle, Pin, End Cap, Red. Dia. Seal, Black	12	25A	
	ATP04-6P-RD01	6 Position, ATP Series™, Receptacle, Pin, Red. Dia. Seal, Grey	12	25A	
	ATP04-6P-RD01BK	6 Position, ATP Series™, Receptacle, Pin, Red. Dia. Seal, Black	12	25A	
	ATP04-6PA-BUS	6 Position, HYPERBUS™ ATP, Recep., Pin, Busbar, Keyed A, Grey, Integrated Wedgelock		12	25A
	ATP04-6PB-BUS	6 Position, HYPERBUS™ ATP, Recep., Pin, Busbar, Keyed B, Black, Integrated Wedgelock		12	25A
	AWP-6P	6 Position, ATP Series™, Receptacle Wedgelock, Orange	-	-	

## ATP Series™ 6 Position Plug and Receptacle Kits

	ATP04-6P-KIT01	6 Position, Kit, ATP Series™ (1) Receptacle, (6) Pin Contacts, (1) Orange Wedgelock	12	25A
	ATP06-6S-KIT01	6 Position, Kit, ATP Series™ (1) Plug, (6) Socket Contacts, (1) Orange Wedgelock	12	25A
	ATP6PS-CKIT	6 Position, Kit, ATP Series™ (1) Plug, (6) Socket Contacts, (1) Orange Plug Wedgelock (1) Receptacle, (6) Pin Contacts, (1) Orange Receptacle Wedgelock	12	25A

**For more information, contact:** Customer Service, +1 800 394 7732, [csr@amphenol-sine.com](mailto:csr@amphenol-sine.com)

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