



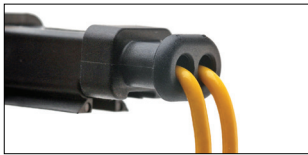
ATM Series™ SR01

Strain Relief Series

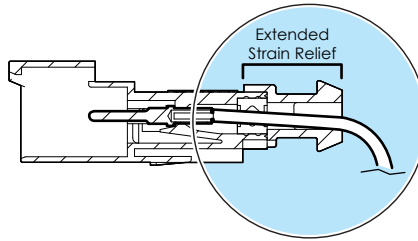
Available in 2, 3, 4, 6, 8 and 12 position



Amphenol Sine Systems' **ATM Series™ SR01** connectors are a high-performance, thermoplastic, cost-effective solution with specifically-designed, wire cavities that protect each individual wire seal, eliminating stress on the rear seal while maintaining an IP68/69K rated (mated) performance regardless of wire bundle direction or improper installation. **The ATM Series™ SR01 meets all the performance criteria and specifications of the ATM Series™**, is available in a wide variety of custom colors, and accepts all **A Series™** Size 20 contacts. Required wedgelock sold separately.



PROTECTS each wire cavity to maximize sealing integrity.



MAINTAINS proper wire routing 100% of the time.

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

Key Features

- Heat-shrink capable shroud for applications requiring heat shrink (The use of heat shrink is NOT required to meet existing IP standards)
- Enhanced Sealing Plugs for simplified insertion/removal, improved retention capabilities and include a positive 'stop' for full insertion verification
- Contains Standard Diameter Rear Seals (0.088-0.145")
- Thermoplastic housing with excellent UV resistance
- Wedgelocks ensure proper contact alignment & retention
- Integrated latch for mating ensures a secure connection
- Superior front and rear environmental sealing
- Compatible with existing standard products industry-wide



Standard vs SR01



Heat-Shrink Capable Shroud



Enhanced Sealing Plugs



A Series™ Family



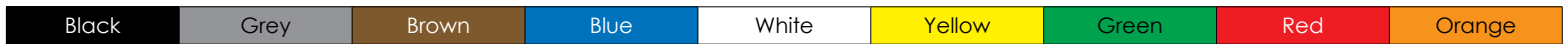
Standard products. Custom solutions
Customer Service +1 800 394 7732



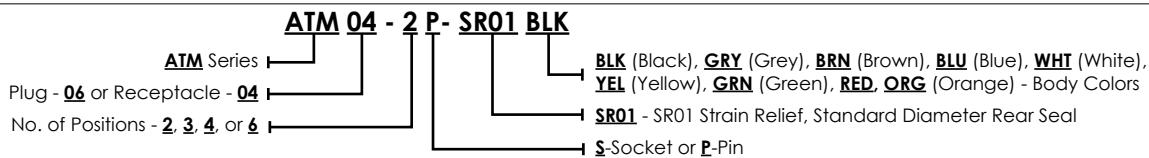
Specifications

| | | | |
|---------------------------------|---|------------------------------|---|
| Operating Temperature | -55°C to +125°C | Shock | No latch disengagement or discontinuity shall be the result when subjected to 50 g's in each of three axis (X, Y & Z) |
| Max Current Rating (Amp) | 7.5A | | Vibration |
| Mating Cycles | >100 | Connector Terminal Retention | |
| IP Rating | IP68/69K (mated) | | Connector Retention |
| Wire Range | Size 20, 16-22AWG | Thermal Shock | |
| Contacts | Machined; Stamped & Formed; Copper Alloy, Nickel-Plated Gold plating optional | | |
| Housing/Latch Material | Thermoplastic/Integrated latch for mating | | |
| Sealing Material | Silicone Rubber | | |
| Dielectric Withstanding Voltage | Less than 2 mA current leakage @ 1500V AC | | |
| Insulation Resistance | 1000 megohms minimum at 25°C | | |

Custom Color Options



Part Numbering Sequence (2, 3, 4 and 6 position)



Part Numbering Sequence (08 and 12 position)




| Image | Part Number | Description |
|-------|-------------------|---|
| | ATM06-2S-SR01 XXX | 2 Position, Plug, Socket, SR01 Strain Relief, *Body Color (Requires AWM-2S Wedgelock) *Choose Body Color (See Part Numbering Sequence Chart) |
| | ATM06-3S-SR01 XXX | 3 Position, Plug, Socket, SR01 Strain Relief, *Body Color (Requires AWM-3S Wedgelock) *Choose Body Color (See Part Numbering Sequence Chart) |
| | ATM06-4S-SR01 XXX | 4 Position, Plug, Socket, SR01 Strain Relief, *Body Color (Requires AWM-4S Wedgelock) *Choose Body Color (See Part Numbering Sequence Chart) |

Images shown in Standard Black. Custom color options available.

| Image | Part Number | Description |
|---|-------------------|---|
|  | ATM06-6S-SR01 XXX | 6 Position, Plug, Socket, SR01 Strain Relief, *Body Color (Requires AWM-6S Wedgelock) *Choose Body Color (See Part Numbering Sequence Chart) |
|  | ATM06-08SX-SR1 XX | 8 Position, Plug, Socket, SR01 Strain Relief, *Keying (Requires AWM-8S Wedgelock) *Choose Keying. Body Color Dictated By Keying Option. (See Part Numbering Sequence Chart) |
|  | ATM06-12SX-SR1 XX | 12 Position, Plug, Socket, SR01 Strain Relief, *Keying (Requires AWM-12S Wedgelock) *Choose Keying. Body Color Dictated By Keying Option. (See Part Numbering Sequence Chart) |
|  | ATM04-2P-SR01 XXX | 2 Position, Receptacle, Pin, SR01 Strain Relief, *Body Color (Requires AWM-2P Wedgelock) *Choose Body Color (See Part Numbering Sequence Chart) |
|  | ATM04-3P-SR01 XXX | 3 Position, Receptacle, Pin, SR01 Strain Relief, *Body Color (Requires AWM-3P Wedgelock) *Choose Body Color (See Part Numbering Sequence Chart) |
|  | ATM04-4P-SR01 XXX | 4 Position, Receptacle, Pin, SR01 Strain Relief, *Body Color (Requires AWM-4P Wedgelock) *Choose Body Color (See Part Numbering Sequence Chart) |
|  | ATM04-6P-SR01 XXX | 6 Position, Receptacle, Pin, SR01 Strain Relief, *Body Color (Requires AWM-6P Wedgelock) *Choose Body Color (See Part Numbering Sequence Chart) |
|  | ATM04-08PX-SR1 XX | 8 Position, Receptacle, Pin, SR01 Strain Relief, *Keying (Requires AWM-8P Wedgelock) *Choose Keying. Body Color Dictated By Keying Option. (See Part Numbering Sequence Chart) |
|  | ATM04-12PX-SR1 XX | 12 Position, Receptacle, Pin, SR01 Strain Relief, *Keying (Requires AWM-12P Wedgelock) *Choose Keying. Body Color Dictated By Keying Option. (See Part Numbering Sequence Chart) |

Images shown in Standard Black. Custom color options available.

| Image | Part Number | Description |
|---|------------------|---------------------------|
|  | AT13-204-2005-SR | Blank Sealing Plug, Black |

| Image | Part Number | Description |
|--|-------------|------------------------------------|
|  | AWM-2S | 2 Position, Wedgelock, Plug |
|  | AWM-2SA | 2 Position, Wedgelock, Key A, Plug |
|  | AWM-2SB | 2 Position, Wedgelock, Key B, Plug |
|  | AWM-3S | 3 Position, Wedgelock, Plug |
|  | AWM-4S | 4 Position, Wedgelock, Plug |
|  | AWM-6S | 6 Position, Wedgelock, Plug |
|  | AWM-8S | 8 Position, Wedgelock, Plug |
|  | AWM-12S | 12 Position, Wedgelock, Plug |

| Image | Part Number | Description |
|---|-------------|--|
|  | AWM-2P | 2 Position, Wedgelock, Receptacle |
|  | AWM-2PA | 2 Position, Wedgelock, Key A, Receptacle |
|  | AWM-2PB | 2 Position, Wedgelock, Key B, Receptacle |
|  | AWM-3P | 3 Position, Wedgelock, Receptacle |
|  | AWM-4P | 4 Position, Wedgelock, Receptacle |
|  | AWM-6P | 6 Position, Wedgelock, Receptacle |
|  | AWM-8P | 8 Position, Wedgelock, Receptacle |
|  | AWM-12P | 12 Position, Wedgelock, Receptacle |

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

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