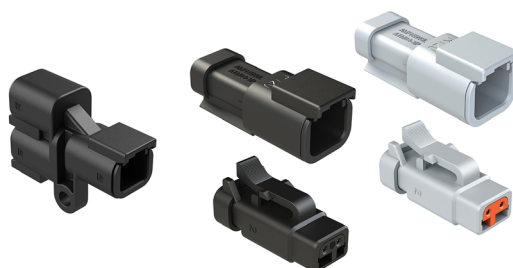




# ATM ATM Series™ 2-Wire CAN

## J1939/15 2-Wire CAN Connectors



Amphenol Sine Systems' **ATM Series™ 2-Wire CAN System** is offered in accordance with SAE J1939/15 requirements and can provide low amperage power splits. The "Y-Splitter" has three connection points and is used in conjunction with a standard ATM2S connector with specialized keyways identifying Inlet 1 and Outlet 2, and 2 position keyed plugs/receptacles with end caps and molded-in 120Ω resistors for network terminations.

**Applications:** Heavy Equipment, Agriculture, Construction, Transportation, Off-Road, Mining, Industrial, Railway, Automotive, Diagnostics, Marine, Water Resistance, Harsh Environments

ATM Series™ 2-Wire CAN - Specifications (See Individual datasheets)

|                    |                            |
|--------------------|----------------------------|
| Temperature Range  | -55°C - +125°C             |
| Max. Current (AMP) | 7.5A                       |
| Max Voltage Rating | 250V                       |
| Contact Resistance | < 15mΩ                     |
| Contacts           | Copper Alloy, Gold Plating |
| Contact Size       | 20                         |

|                                 |                                           |
|---------------------------------|-------------------------------------------|
| Min. Mating Cycles              | > 100                                     |
| IP Rating (in mated condition)  | IP67                                      |
| Wire Range                      | 20-22AWG                                  |
| Housing Body                    | Thermoplastic                             |
| Insulation Resistance           | 1000 megohms at 25°C                      |
| Dielectric Withstanding Voltage | Less than 2 mA current leakage @ 1500V AC |

| Part Number      | Description                                                                                 | Amperage | Voltage | AWG   |
|------------------|---------------------------------------------------------------------------------------------|----------|---------|-------|
| ATM04-2P-P007    | ATM, 6 Position, 2 Position Receptacle, Y Splitter (Contacts & Wedgelock Included)          | 7.5A     | 250V    | 20-22 |
| ATM04-2P-RA120GY | ATM, 2 Position, Receptacle, A Key, 120 OHM Resistor, Gray (Contacts & Wedgelock Included)  | 7.5A     | 250V    | 20-22 |
| ATM04-2P-RB120BK | ATM, 2 Position, Receptacle, B Key, 120 OHM Resistor, Black (Contacts & Wedgelock Included) | 7.5A     | 250V    | 20-22 |
| ATM06-2S-R120GRY | ATM, 2 Position, Plug, A Key, 120 OHM, 1/2W, Gray, Endcap (Contacts & Wedgelock Included)   | 7.5A     | 250V    | 20-22 |
| ATM06-2S-RB120BK | ATM, 2 Position, Plug, B Key, 120 OHM Resistor, Black (Contacts & Wedgelock Included)       | 7.5A     | 250V    | 20-22 |
| AWM-2PA          | ATM, 2 Position Pin Wedgelock, A Keyed                                                      | -        | -       | -     |
| AWM-2PB          | ATM, 2 Position Pin Wedgelock, B Keyed                                                      | -        | -       | -     |
| AWM-2SA          | ATM, 2 Position Socket Wedgelock, A Keyed                                                   | -        | -       | -     |
| AWM-2SB          | ATM, 2 Position Socket Wedgelock, B Keyed                                                   | -        | -       | -     |

### IP Ratings

IP67 rated (Dust tight; 1M of Water for 30 Minutes, in mated condition)

IP68 rated (Dust tight; 1M of Water for 24 Hours, in mated condition)

IP69K rated (Dust tight; High-Pressure Waterproof, 4 Points (0°, 30°, 60°, 90°), in mated condition)



Standard products. Custom solutions

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