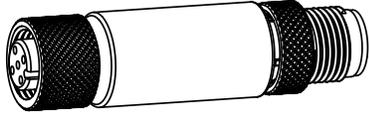


S15A In-Line Wiring Adapters



Datasheet



- Adapters reroute wiring to match specific application requirements
- Rugged over-molded design meets IEC IP65, IEC IP67, and IEC IP68
- Simple M12 connection for easy installation where needed in the circuit

Models

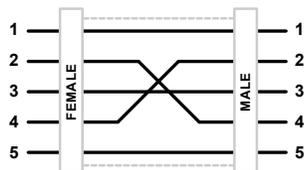
Model Number	Function Description
S15A-F14325-M14325-Q	Pin 2 goes to Pin 4 in both directions
S15A-F1235X-M123X4-Q	Female Pin 4 goes to Male Pin 5
S15A-F1534X-M1X342-Q	Female Pin 2 goes to Male Pin 5
S15A-FX2345-MX2345-Q	Pin 1 is open; all others pass through
S15A-F1X345-M1X345-Q	Pin 2 is open; all others pass through

Contact factory for customized versions.

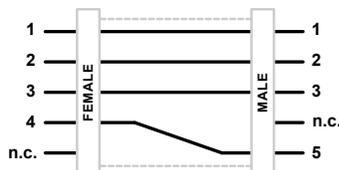
Wiring Diagrams

Male	Female	Pin	Wire Color
		1	Brown
		2	White
		3	Blue
		4	Black
		5	Gray

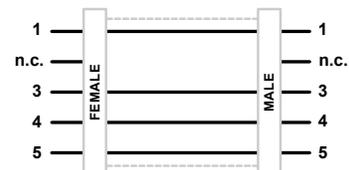
S15A-F14325-M14325-Q



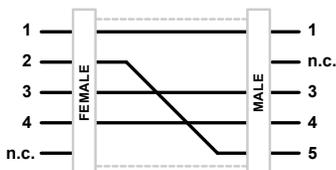
S15A-F1235X-M123X4-Q



S15A-F1X345-M1X345-Q



S15A-F1534X-M1X342-Q



S15A-FX2345-MX2345-Q



Specifications

Maximum Voltage

30 V DC

Maximum Current

4A

Connections

Integral male/female 5-pin M12 quick disconnect

Construction

Coupling Material: Nickel-plated brass
Connector Body: PVC translucent black

Vibration and Mechanical Shock

Meets IEC 60068-2-6 requirements (Vibration: 10 Hz to 55 Hz, 0.5 mm amplitude, 5 minutes sweep, 30 minutes dwell)
Meets IEC 60068-2-27 requirements (Shock: 15G 11 ms duration, half sine wave)

Environmental Rating

IEC IP65, IEC IP67, IEC IP68
NEMA/UL Type 1

Operating Conditions

Temperature: -40 °C to +70 °C (-40 °F to +158 °F)
90% at +70 °C maximum relative humidity (non-condensing)
Storage Temperature: -40 °C to +80 °C (-40 °F to +176 °F)

Certifications



Required Overcurrent Protection



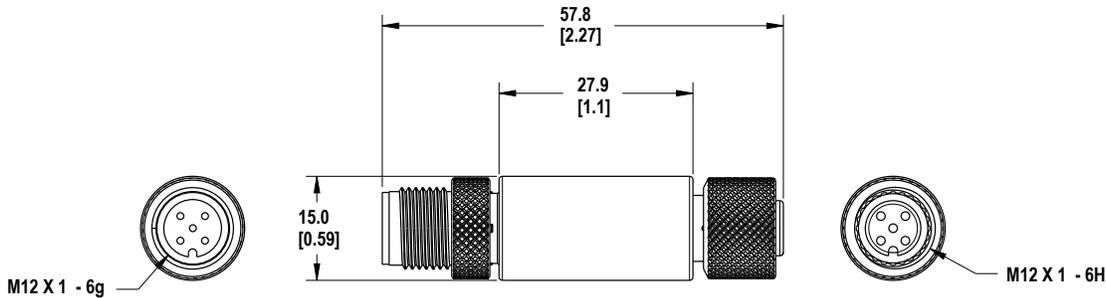
WARNING: Electrical connections must be made by qualified personnel in accordance with local and national electrical codes and regulations.

Overcurrent protection is required to be provided by end product application per the supplied table.
Overcurrent protection may be provided with external fusing or via Current Limiting, Class 2 Power Supply.
Supply wiring leads < 24 AWG shall not be spliced.
For additional product support, go to www.bannerengineering.com.

Supply Wiring (AWG)	Required Overcurrent Protection (Amps)
20	5.0
22	3.0
24	2.0
26	1.0
28	0.8
30	0.5

Dimensions

All measurements are listed in millimeters [inches], unless noted otherwise.



Accessories

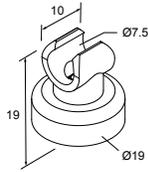
Cordsets

5-Pin Threaded M12 Cordsets—Double Ended					
Model	Length	Style	Dimensions	Pinout (Male)	Pinout (Female)
MQDEC-501SS	0.31 m (1.02 ft)	Male Straight/ Female Straight			
MQDEC-503SS	0.91 m (2.99 ft)			1 = Brown 2 = White 3 = Blue	4 = Black 5 = Gray
MQDEC-506SS	1.83 m (6 ft)				
MQDEC-512SS	3.66 m (12 ft)				

Brackets

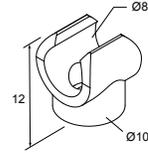
LMBM12MAG

- Attaches to M12 cordset end
- Black polypropylene
- 11.8 kg (26 lb) pull force
- One piece



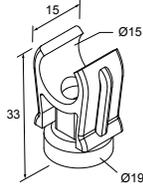
LMBM12SP

- Attaches to M12 cordset end
- Black polypropylene
- Supplied with thread forming hardware
- Pack of seven



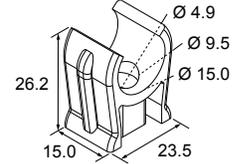
LMBS15MAG

- Attaches to S15 housing
- White polypropylene
- 11.8 kg (26 lb) pull force
- One piece



LMBS15SP

- Attaches to S15 housing
- White polypropylene
- Clearance for M5 or #10 hardware
- Pack of five



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more sensors, more solutions