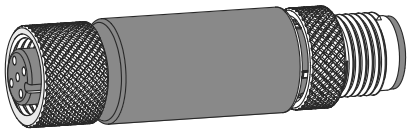
S15A In-Line Wiring Adapters Datasheet

Features

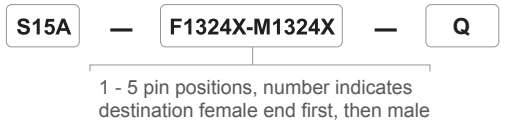


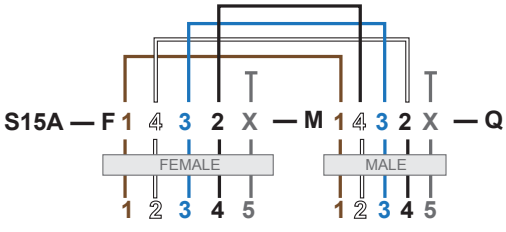
- Adapters reroute wiring to match specific application requirements
- Rugged overmolded design meets IP65, IP67, and IP68
- Simple M12 connection for easy installation where needed in the circuit

Model Key

Example S15A model name

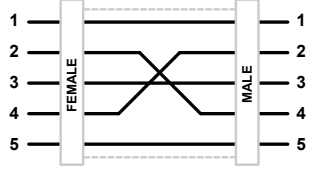
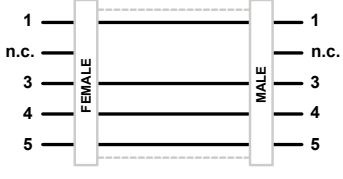
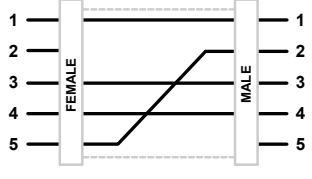
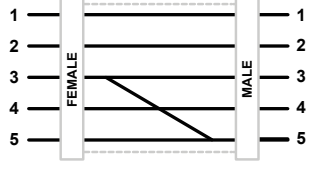
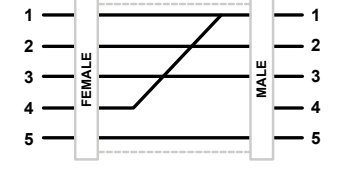






Models - Common Usage

Listed below are sample models and their functions. For additional models and functionality, go to the S15A Adapters Series Page, or contact the factory for customized versions.

S15A-F14325-M14325-Q  Complimentary outputs	**S15A-F1X345-M1X345-Q**  No outputs or input on Pin 2	**S15A-F1X342-M1534X-Q**  Change the input on Pin 5 to Pin 2
S15A-F12545-M12345-Q  Pin 3 shares with Pin 5	**S15A-F12315-M123X5-Q**  Pin 4 tied to Pin 1	**S15A-F1X3XX-M1X3XX-Q**  Power only pass through

Original Instructions
05-Feb-25

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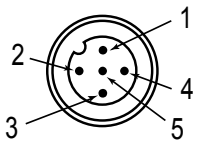
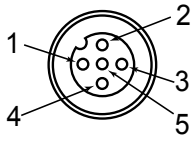
223029
p/n: 223029 Rev. D

ПРОМЭЛЕКТРОНИКА/ sales@prom-elec.com

Wiring

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

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
IP65, IP67, IP68

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

Banner Engineering BV
Park Lane, Culliganlaan 2F bus 3
1831 Diegem, BELGIUM

Turck Banner LTD Blenheim House
Blenheim Court
Wickford, Essex SS11 8YT
GREAT BRITAIN

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.

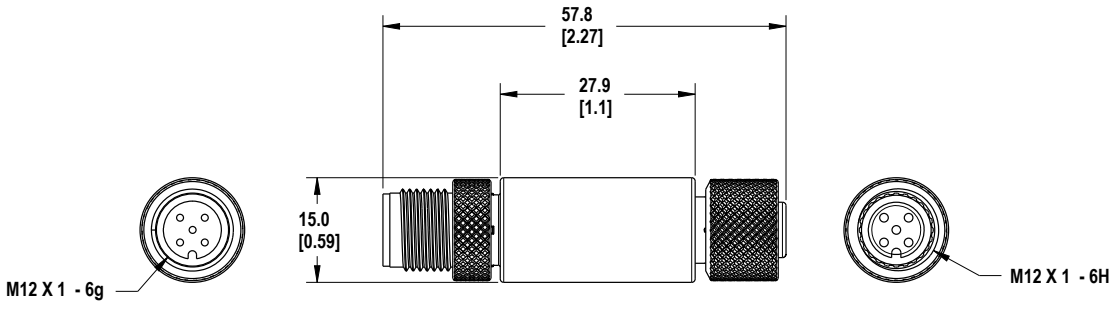
Supply wiring leads < 24 AWG shall not be spliced.

For additional product support, go to www.bannerengineering.com.

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

Dimensions

All measurements are listed in millimeters [inches], unless noted otherwise. The measurements provided are subject to change.



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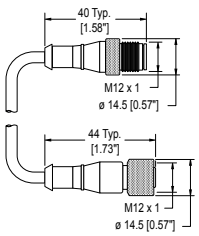
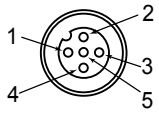
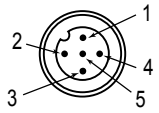
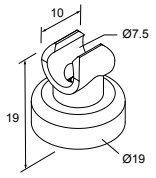
Accessories

Cordsets

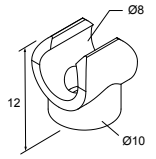
5-pin Double-Ended M12 Female to M12 Male Cordsets				
Model	**Length**	**Dimensions (mm)**	**Pinouts**	
BC-M12F5-M12M5-22-0.16M	0.16 m (0.52 ft)		Female  Male 	1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray
BC-M12F5-M12M5-22-1	1 m (3.28 ft)			
BC-M12F5-M12M5-22-2	2 m (6.56 ft)			
BC-M12F5-M12M5-22-5	5 m (16.4 ft)			
BC-M12F5-M12M5-22-8	8 m (26.25 ft)			
BC-M12F5-M12M5-22-10	10 m (30.81 ft)			
BC-M12F5-M12M5-22-15	15 m (49.2 ft)			

Brackets

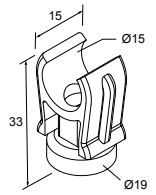
LMBM12MAG
- Attaches to M12 cordset end
- Black polypropylene
- 11.8 kg (26 lb) pull force
- One piece



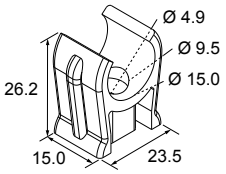
LMBM12SP
- Attaches to M12 cordset end
- Black polypropylene
- Supplied with thread-forming hardware
- Pack of seven



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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