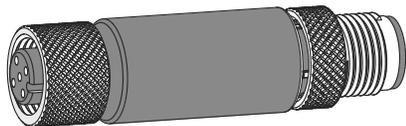


Features



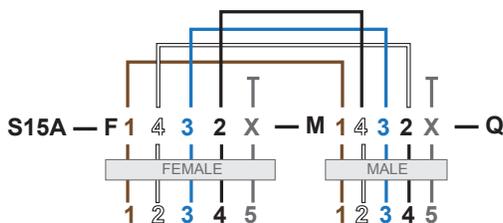
- Adapters reroute wiring to match specific application requirements
- Rugged overmolded design meets IP65, IP67, and IP68
- Simple M12 connection for easy installation where needed in the circuit

Model Key

Example S15A model name



1 - 5 pin positions, number indicates destination female end first, then male

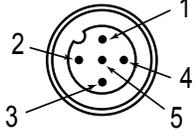
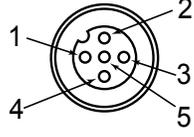


Models - Common Usage

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.

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

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.

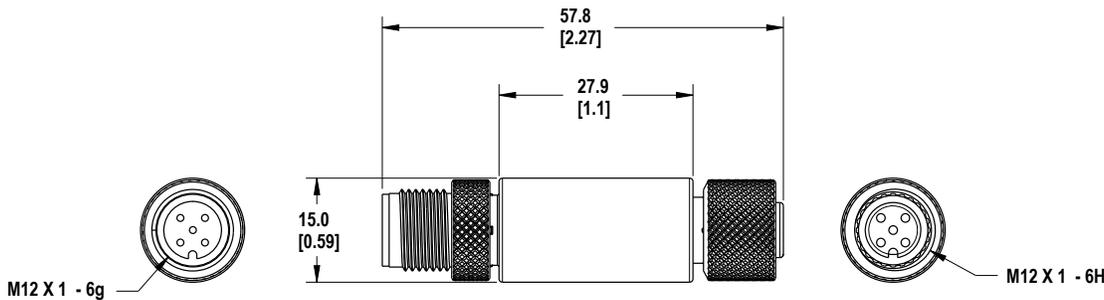
Supply wiring leads < 24 AWG shall not be spliced.

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 |

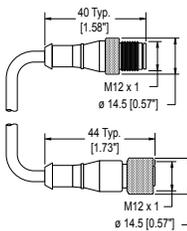
Dimensions

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

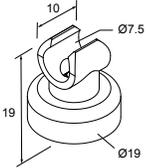
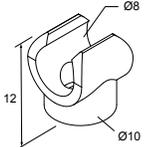
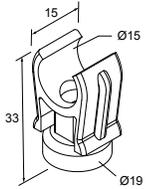
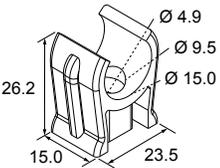


Accessories

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 | 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) | | Male | |

Brackets

| | |
|---|---|
| <p>LMBM12MAG</p> <ul style="list-style-type: none"> Attaches to M12 cordset end Black polypropylene 11.8 kg (26 lb) pull force One piece |  |
| <p>LMBM12SP</p> <ul style="list-style-type: none"> Attaches to M12 cordset end Black polypropylene Supplied with thread-forming hardware Pack of seven |  |
| <p>LMBS15MAG</p> <ul style="list-style-type: none"> Attaches to S15 housing White polypropylene 11.8 kg (26 lb) pull force One piece |  |
| <p>LMBS15SP</p> <ul style="list-style-type: none"> Attaches to S15 housing White polypropylene Clearance for M5 or #10 hardware Pack of five |  |

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