

S15L In-Line Sensor Status Indicator



- Bright indication of sensor power and output status
- Two colors - one for power and one for sensor output status
- Rugged over-molded design meets IEC IP66, IEC IP67, and IEC IP68
- Connected directly to a sensor or anywhere in-line for easy visual indication
- Models available with PNP or NPN inputs

Models

Models	Power ON (Color 1)	Input Active (Color 2)	Input Type	Connection
S15LGYPQ	Green	Yellow	PNP	4-Pin Male/Female M12 quick disconnect
S15LGYNQ			NPN	
S15LGRPQ		Red	PNP	
S15LGRNQ			NPN	
S15LRGPQ	Red	Green	PNP	
S15LYGPQ	Yellow			

Wiring Diagrams

Male	Female	Pin	Wire Color	Description*
		1	Brown	10 V DC to 30 V DC: Power LED will be ON (Color 1)
		2	White	Not used; Passes through
		3	Blue	DC Common
		4	Black	Input from sensor: Color 2 overrides Color 1 when active

*Continuity between male and female connection for all four wires, including IO-link communications.

Specifications

Supply Voltage

10 V DC to 30 V DC at 15 mA maximum

Supply Protection Circuitry

Protected against reverse polarity and transient voltages

Leakage Current Immunity

400 µA

Indicators

2 colors
Color 2 overrides Color 1

Connections

Integral male/female 4-pin M12/Euro-style quick disconnect

Construction

Coupling Material: Nickel-plated brass
Connector Body: PUR translucent white

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)

Certifications



40 °C (104 °F) maximum operating temperature for applications requiring UL

Environmental Rating

IEC IP66, IEC IP67, IEC IP68
NEMA/UL Type 1

Operating Conditions

Temperature: -40 °C to +50 °C (-40 °F to +122 °F)
90% at +50 °C maximum relative humidity (non-condensing)
Storage Temperature: -40 °C to +70 °C (-40 °F to +158 °F)

Required Overcurrent Protection



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

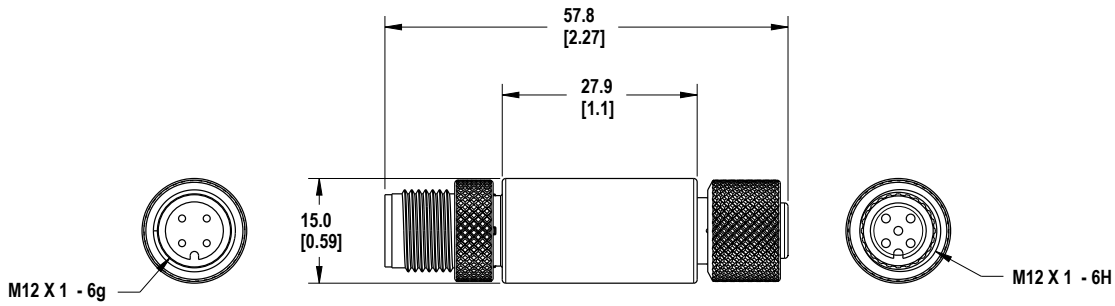
Overcurrent protection is required to be provided by end product application per the supplied table.
Overcurrent protection may be provided with external fusing or via Current Limiting, Class 2 Power Supply.
Supply wiring leads < 24 AWG shall not be spliced.
For additional product support, go to www.bannerengineering.com.

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

4-Pin Threaded M12 Cordsets—Single Ended				
Model	Length	Style	Dimensions	Pinout (Female)
MQDC-406	2 m (6.56 ft)	Straight		<p>1 = Brown 2 = White 3 = Blue 4 = Black</p>
MQDC-415	5 m (16.4 ft)			
MQDC-430	9 m (29.5 ft)			
MQDC-450	15 m (49.2 ft)	Right-Angle		
MQDC-406RA	2 m (6.56 ft)			
MQDC-415RA	5 m (16.4 ft)			
MQDC-430RA	9 m (29.5 ft)			
MQDC-450RA	15 m (49.2 ft)			

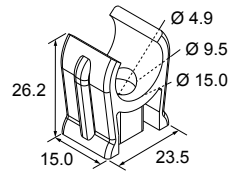
4-Pin Threaded M12 Cordsets—Double Ended				
Model	Length	Style	Dimensions	Pinout
MQDEC-401SS	0.31 m (1 ft)	Male Straight/Female Straight		Female
MQDEC-403SS	0.91 m (2.99 ft)			
MQDEC-406SS	1.83 m (6 ft)			Male
MQDEC-412SS	3.66 m (12 ft)			
MQDEC-420SS	6.10 m (20 ft)			
MQDEC-430SS	9.14 m (30.2 ft)			
MQDEC-450SS	15.2 m (49.9 ft)			<p>1 = Brown 2 = White 3 = Blue 4 = Black</p>

3-pin Threaded M8 to 4-pin Threaded M12 Cordsets—Double Ended					
Model	Length	Style	Dimensions	Pinout (Female)	Pinout (Male)
PKG3M-5-MQDCM410	0.15 m (0.49 ft)	Female Straight/ Male Straight		<p>1 = Brown 3 = Blue 4 = Black</p>	<p>1 = Brown 2 = No connection 3 = Blue 4 = Black</p>

Brackets

LMBS15SP

- White polypropylene
- Clearance for M5 or #10 hardware



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