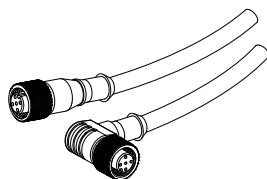


Lighted M12 Cordsets



Datasheet



- Bright indication of sensor power and output status
- Two colors - one for power and one for sensor output status
- Meets IEC IP66, IEC IP67, IEC IP68
- Models available for PNP or NPN outputs

Models

Models	Power ON (Color 1)	Input Active (Color 2)	Input Type	Connection
MQDC-4xx-GYP	Green	Yellow	PNP	Integral 4-pin M12 female quick disconnect with flying leads
MQDC-4xx-GYN			NPN	
MQDC-5xx-GYP	Green	Yellow	PNP	Integral 5-pin M12 female quick disconnect with flying leads
MQDC-5xx-GYN			NPN	

Straight connector models are listed. To order the right-angle connector model, add the suffix "RA" to the model number. For example, MQDC-4xx-GYPRA.

xx = Standard Lengths

06 = 6.5 ft (2 m)

15 = 16.5 ft (5 m)

30 = 32.8 ft (10 m)

Wiring Diagrams

Female	Pin	Wire Color	Description*
	1	Brown	10 V DC to 30 V DC: Green Power LED will be ON (Color 1)
	2	White	Pass Through
	3	Blue	DC Common
	4	Black	Input from sensor: Yellow Output LED overrides Green Power LED when active (Color 2)
	5	Gray	Not used for 4-pin models Pass Through for 5-pin models

*Continuity between female connection and flying leads, 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 μ A

Indicators

2 colors

Color 2 overrides Color 1

Environmental Rating

IEC IP66, IEC IP67, IEC IP68

NEMA 1, UL Type 1

Operating Conditions

Temperature:

Max current of 1.0 A: -40 °C to +60 °C (-40 °F to +140 °F)

Max current of 2.0 A: -40 °C to +55 °C (-40 °F to +131 °F)

Max current of 4.0 A: -40 °C to +45 °C (-40 °F to +113 °F)

90% at +50 °C maximum relative humidity (non-condensing)

Storage Temperature: -40 °C to +70 °C (-40 °F to +158 °F)



Connections

Integral 5-pin or 4-pin M12 female quick disconnect

Construction

Coupling Material: Nickel-plated brass
 Connector Body: PVC translucent white
 Cable Material: PVC

Vibration and Mechanical Shock

Meets IEC 60068-2-6 requirements (Vibration: 10 Hz to 55 Hz, 1.0 mm amplitude, 5 minutes sweep, 30 minutes dwell)
 Meets IEC 60068-2-27 requirements (Shock: 30G 11 ms duration, half sine wave)

Certifications



Required Overcurrent Protection



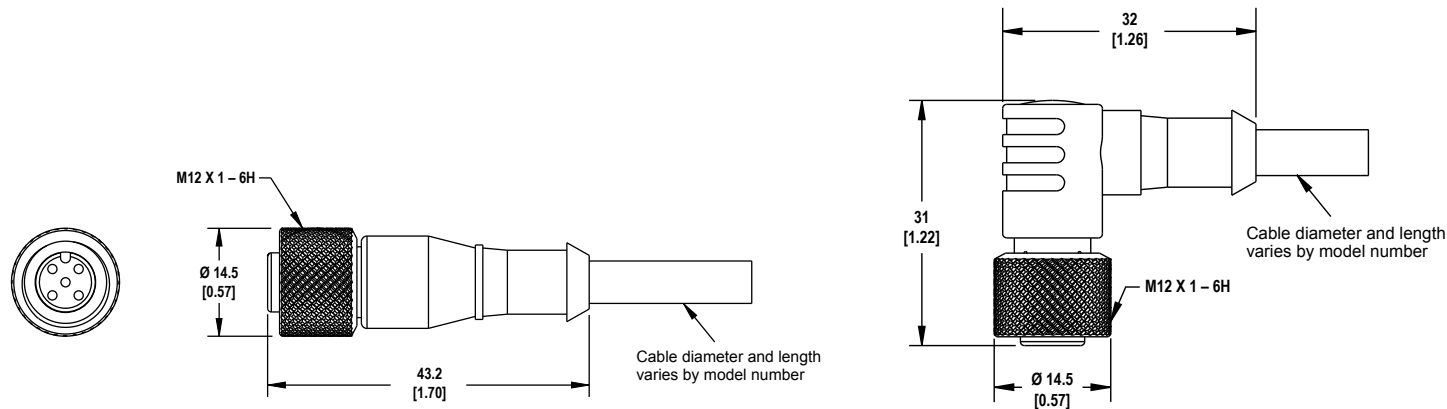
WARNING: Electrical connections must be made by qualified personnel in accordance with local and national electrical codes and regulations.

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.



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