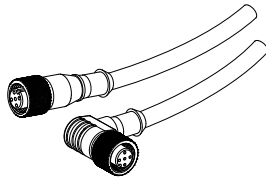


M12 MQDC Lighted Cordsets



Datasheet



- Bright indication of sensor power and output status
- Two colors: Green indicates the power is on and amber indicates an active input
- Meets IP66, IP67, IP68
- Models available for PNP or NPN outputs

Models

4-Pin Threaded M12 Lighted Cordsets—Single Ended						
Model	Length	Input Type	Style	Dimensions	Pinout (Female)	
MQDC-406-GYP	2 m (6.5 ft)	PNP	Straight			1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray Green LED indicates the power is on and amber LED indicates an active input
MQDC-406-GYN		NPN				
MQDC-415-GYP	5 m (16.5 ft)	PNP				
MQDC-415-GYN		NPN				
MQDC-430-GYP	9 m (29.5 ft)	PNP				
MQDC-430-GYN		NPN				
MQDC-406-GYPRA	2 m (6.5 ft)	PNP	Right-Angle			1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray Green LED indicates the power is on and amber LED indicates an active input
MQDC-406-GYNRA		NPN				
MQDC-415-GYPRA	5 m (16.5 ft)	PNP				
MQDC-415-GYNRA		NPN				
MQDC-430-GYPRA	9 m (29.5 ft)	PNP				
MQDC-430-GYNRA		NPN				

5-Pin Threaded M12 Lighted Cordsets—Single Ended						
Model	Length	Input Type	Style	Dimensions	Pinout (Female)	
MQDC-506-GYP	2 m (6.5 ft)	PNP	Straight			1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray Green LED indicates the power is on and amber LED indicates an active input
MQDC-506-GYN		NPN				
MQDC-515-GYP	5 m (16.5 ft)	PNP				
MQDC-515-GYN		NPN				
MQDC-530-GYP	9 m (29.5 ft)	PNP				
MQDC-530-GYN		NPN				
MQDC-506-GYPRA	2 m (6.5 ft)	PNP	Right-Angle			1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray Green LED indicates the power is on and amber LED indicates an active input
MQDC-506-GYNRA		NPN				
MQDC-515-GYPRA	5 m (16.5 ft)	PNP				
MQDC-515-GYNRA		NPN				
MQDC-530-GYPRA	9 m (29.5 ft)	PNP				
MQDC-530-GYNRA		NPN				

Wiring Diagrams

Female	Pin	Wire Color	Description
	1	Brown	10 V DC to 30 V DC; the green Power LED is on (color 1)
	2	White	Pass through
	3	Blue	DC common
	4	Black	Input from sensor; the amber output LED (color 2) overrides the green Power LED when it is active
	5	Gray	Not used for 4-pin models Pass through for 5-pin models



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

Two colors
Color 2 overrides Color 1

Connections

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

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



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



Turck Banner LTD Blenheim House, Blenheim Court, Wickford,
Essex SS11 8YT, Great Britain



Environmental Rating

IP67, IP68
NEMA 1, UL Type 1

Operating Conditions

Temperature:

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

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

Maximum 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)

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.

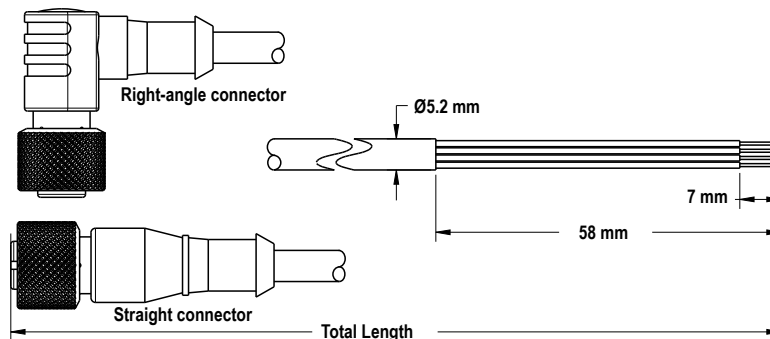
Supply wiring leads < 24 AWG shall not be spliced.

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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