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Cordsets

Euro QD (for Q or Q8 models)

See page 916

Length	Threaded 8-Pin	
	Straight	Right-Angle
1.83 m	 MQDC2S-806	 MQDC2S-806RA
4.57 m	 MQDC2S-815	 MQDC2S-815RA
9.14 m	 MQDC2S-830	 MQDC2S-830RA

 Additional cordset information available.
See page 846.

Brackets

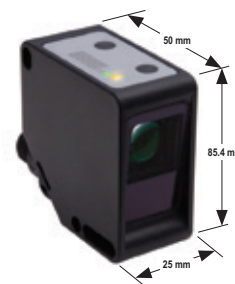
QC50/QCX50

See page 879

SMBQC50



 Additional bracket information available.
See page 846.



QC50/QCX50 Specifications

Sensing Receiver	Solid-state photodiode device with R, G, B filters							
Minimum Spot Diameter	4 mm							
Supply Voltage and Current	10 to 30 V dc, 2 V pp max ripple 40 mA max @ 24 V dc (excluding output current)							
Supply Protection Circuitry	Protected against reverse polarity, over-voltage, and transient voltage							
Output Configuration	3 PNP or 3 NPN outputs, depending on model 30 V dc max. Saturation voltage: less than 2 V							
Output Rating	100 mA max. load per output channel							
Output Protection Circuitry	Protected against output short-circuit, continuous overload, transient over-voltages, and false pulse on power-up							
Output Response Time	QC50 models: 335 microseconds QCX50 models: Selectable 5 milliseconds (normal) or 1 millisecond <table><tr><td>QC50 models</td><td>QCX50 models</td></tr><tr><td>Gate ON-time: 335 microseconds</td><td>700 microseconds</td></tr><tr><td>Gate OFF-time: 170 microseconds</td><td>400 microseconds</td></tr></table>		QC50 models	QCX50 models	Gate ON-time: 335 microseconds	700 microseconds	Gate OFF-time: 170 microseconds	400 microseconds
QC50 models	QCX50 models							
Gate ON-time: 335 microseconds	700 microseconds							
Gate OFF-time: 170 microseconds	400 microseconds							
Delay at Power-up	500 milliseconds; outputs do not conduct during this time							
Data Retention	EEPROM nonvolatile memory							
Ambient Light Rejection	According to EN 609475-2							
Adjustments	2 push buttons (Set and Select) • Color, scanning, color modes, delay and tolerance • Manual adjustment of color channels, sensing mode and tolerance level							
Indicators	4-Digit LCD Display: indicates sensing mode, run status, tolerance level, output status Yellow Output LED: ON when any output is conducting 3 Green Channel Output Status LEDs: ON when its corresponding output is conducting							
Construction	ABS shock-resistant housing; glass window and lens							
Environmental Rating	IEC IP62							
Connections	8-pin Euro-style swivel quick-disconnect fitting. QD cordsets are ordered separately. See page 425.							
Operating Conditions	Temperature: -10° to +55° C Relative humidity: 90% at 50° C (non-condensing)							
Shock Resistance	Approx. 30 G; 3 shocks per axis; 11 milliseconds duration							
Vibration	0.5 mm amplitude; 10 to 60 Hz frequency; 30 minutes for each X, Y, Z axis							
Certifications								
Hookup Diagrams	NPN Models: SP05 (p. 988) PNP Models: SP06 (p. 988)							

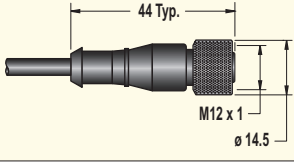
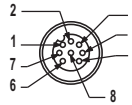
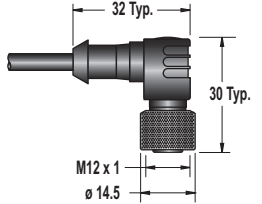
8-Pin Threaded M12/Euro-Style Cordsets with Open-Shield

Cable: PVC jacket, PUR (polyurethane) connector body, nickel-plated brass coupling nut

Conductors: 24 AWG (shielded), gold-plated contacts

Voltage/Current Rating: 75 V ac/dc, 2.0 A

Temperature: -40° to +105° C **Environmental Rating:** IP67

Style	Length	Model	Cable Diameter	Dimensions (mm)	Pinout	Used With
Straight	1.83 m	MQDC2S-806	5.60 mm		Female 	• QC50 • QCX50 • EZ-LIGHT • iVu TG—Integrated Touch Screen models • E-Stops w/Q8 suffix
	4.57 m	MQDC2S-815				
	9.14 m	MQDC2S-830				
	15.2 m	MQDC2S-850				
Right-Angle	1.83 m	MQDC2S-806RA	5.60 mm		1 = White 2 = Brown 3 = Green 4 = Yellow 5 = Gray 6 = Pink 7 = Blue 8 = Red	
	4.57 m	MQDC2S-815RA				
	9.14 m	MQDC2S-830RA				
	15.2 m	MQDC2S-850RA				

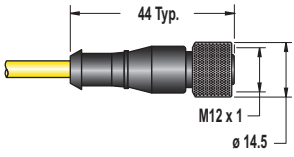
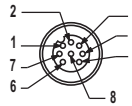
8-Pin Threaded M12/Euro-Style Cordsets

Cable: PVC jacket, PUR (polyurethane) connector body, nickel-plated brass coupling nut

Conductors: 22 AWG, gold-plated contacts

Voltage/Current Rating: 75 V ac/dc, 2.0 A

Temperature: -40° to +105° C **Environmental Rating:** IP67

Style	Length	Model*	Cable Diameter	Dimensions (mm)	Pinout	Used With
Straight	4.57 m	QDE-815D	6.00 mm		Female 	• EZ-SCREEN w/8-pin QD (14 & 30 mm Resolution) • EZ-SCREEN LP w/8-pin QD (14 & 25 mm Resolution) • EZ-SCREEN w/8-pin QD (Point & Grid) • EZ-SCREEN Type 2
	7.62 m	QDE-825D				
	15.3 m	QDE-850D				
	22.9 m	QDE-875D				
	30.5 m	QDE-8100D				

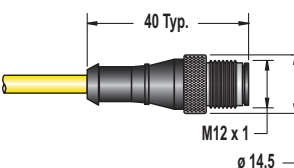
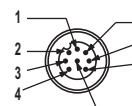
8-Pin Threaded M12/Euro-Style Cordsets

Cable: PVC jacket, PUR (polyurethane) connector body, nickel-plated brass coupling nut

Conductors: 22 AWG, gold-plated contacts

Voltage/Current Rating: 60 V ac/75 V dc, 2.0 A

Temperature: -40° to +105° C **Environmental Rating:** IP67

Style	Length	Model*	Cable Diameter	Dimensions (mm)	Pinout	Used With
Straight	4.57 m	QDE2R4-815D	5.50 mm		Male 	• EZ-SCREEN Receiver (Cascade) CSSI QD (14 & 30 mm) • EZ-SCREEN LP Receiver (Cascade) CSSI QD and a DELPEF-810 (14 & 25 mm)
	7.62 m	QDE2R4-825D				
	15.2 m	QDE2R4-850D				

1 = Brown 5 = Blue
 2 = Not Used 6 = Not Used
 3 = Not Used 7 = Not Used
 4 = Black 8 = White

NOTE: For connection of E-Stop or other hard/relay contacts.

* Standard cordsets are yellow PVC with black overmold. For black PVC and overmold, add suffix **B** to model number (example, DEE2R-815DB)