



Q20NLPQ5

► Q20 SERIES INDUSTRY STANDARD GLOBAL HOUSING



WORLD-BEAM Q20 Series: Polarized Retro

Range: 4 m; Input 10-30V dc

Output: Complementary Solid State NPN

6 in pigtail Euro-style Quick Disconnect Connector

Part Number: 78194

CERTIFICATIONS



SPECIFICATIONS

Sensing Mode (General)	Retroreflective
Sensing Mode (Detailed)	Polarized
Housing Style	Rectangular
Primary Housing Material	Thermoplastic
Input/Output	Discrete
Max Sensing Range (mm)	4000
Outputs	NPN
Power Supply/Supply Voltage	10-30 V dc
Connection	Pigtail QD
Quick Disconnect Type	M12 (Euro)
Sensing Beam	Visible Red LED
Operation	Light/Dark Operate

Max Op. Temp. (°C)	60
Min Op. Temp. (°C)	-20
Output response time (ms)	0.8
Special Feature: Intrinsically Safe	No
Special Feature: Remote Teach	No
Special Feature: Water Detection	No
IP Rating	IP67
Sensing Beam Wavelength	645
Delay at Power-up (ms)	100
Repeatability (µs)	155
Number of Pins	4
NEMA Rating	NEMA 6
Max Op. Relative Humidity [%]	95% @ 50°C
Adjustments	Potentiometer
Barrel Diameter (mm)	N/A
Indicator	LEDs
Opposed Mode Emitter/Receiver	N/A
Feature: Timing (Hold/Delay)	No
Feature: Encapsulated	No
Feature: Hazardous Area	No
Feature: Audible	No

RECOMMENDED PRODUCTS


SINGLE ENDED CORDSETS

	<p>MQDC-406</p> <p>Euro-style Quick Disconnect Cable; 4-Pin Straight Connector; 2 m (6.5 ft) in Length; Nickel-plated Brass Coupling Nut</p>
---	---








	<p>MQDC-415</p> <p>Euro-style Quick Disconnect Cable; 4-Pin Straight Connector; 5 m (15 ft) in Length; Nickel-plated Brass Coupling Nut.</p>
	<p>MQDC-430</p> <p>Euro-style Quick Disconnect Cable; 4-Pin Straight Connector; 9 m (30 ft) in Length; Nickel-plated Brass Coupling Nut</p>
	<p>MQDC-406RA</p> <p>Euro-Style Quick Disconnect Cable; 4-Pin Right-Angle Connector; 2 m (6.5 ft) in Length; Nickel-plated brass coupling nut</p>
	<p>MQDC-415RA</p> <p>Euro-Style Quick Disconnect Cable; 4-Pin Right-Angle Connector; 5 m (15 ft) in Length; Nickel-plated brass coupling nut</p>
	<p>MQDC-430RA</p> <p>Euro-Style Quick Disconnect Cable; 4-Pin Right-Angle Connector; 9 m (30 ft) in Length; Nickel-plated brass coupling nut</p>
	<p>PKG4-2</p> <p>Pico-style Quick Disconnect Cable; 4 Pin Straight Connector; 2 m (6.5 ft) in Length; POM snap-lock coupling</p>
	<p>PKW4Z-2</p> <p>Pico-style Quick Disconnect Cable; 4 Pin Right Angle Connector; 2 m (6.5 ft) in Length; POM snap-lock coupling</p>
	<p>PKG4M-2</p> <p>Threaded Pico-Style Quick Disconnect Cable With ; Straight 4-Pin Connector; 2 m (6.5 ft) in Length; Threaded coupling</p>
	<p>PKG4M-9</p> <p>Threaded Pico-Style Quick Disconnect Cable With ; Straight 4-Pin Connector; 9 m (30 ft) in Length; Threaded coupling</p>

ADAPTERS, BRACKETS, CLAMPS AND MOUNTING ACCESSORIES




	<p>SMBQ20LV</p> <p>Bracket: Right-angle bracket; +/- 10 deg tip; Stainless Steel; Used with Q20</p>
	<p>SMBQ20L</p> <p>SMBQ20L MOUNTING BRACKET ASSY</p>
	<p>SMBQ20U</p> <p>Bracket: Protective bracket; +/- 22.5 deg swivel; Stainless Steel; Used with Q20</p>

	<p>SMBQ20H</p> <p>SMBQ20H MOUNTING BRACKET ASSY</p>
---	--


APERTURES

	<p>APQ20-0.5</p> <p>APQ20-0.5 - QTY 2</p>
	<p>APQ20-1</p> <p>APQ20-1 - QTY 2</p>
	<p>APQ20-2</p> <p>APQ20-2 - QTY 2</p>
	<p>APQ20-0.5V</p> <p>APQ20-0.5V - QTY 2</p>
	<p>APQ20-1V</p> <p>APQ20-1V - QTY 2</p>
	<p>APQ20-2V</p> <p>APQ20-2V - QTY 2</p>
	<p>APK-Q20</p> <p>APK-Q20 - QTY 12</p>

RETROREFLECTIVE TARGET

	<p>BRT-84</p> <p>BRT-84</p>
	<p>BRT-2X2</p> <p>Retroreflective Target: Rectangular -51x51mm; Reflectivity Factor: 1.0; Max. Temp.= 50 degrees C; Plastic - two screw holes for mounting</p>
	<p>BRT-92X92C</p> <p>Retroreflective Target: Rectangular -92x92mm; Reflectivity Factor: 3.0; Max. Temp.= 50 degrees C; Plastic - two screw holes for mounting</p>

ACCESSORIES

	PFQ20-V
PFQ20-V FILTER PAIR Q20 VERT	



Banner Engineering Corp. | 9714 Tenth Avenue North | Minneapolis, MN 55441 | United States of America