



Q20NRLQ

► Q20 SERIES INDUSTRY STANDARD GLOBAL HOUSING



WORLD-BEAM Q20 Series: Long Range Receiver (IR)

Range: 20 m; Input 10-30V dc

Output: Complementary Solid State NPN

6 in pigtail Pico-style Quick Disconnect Connector

Part Number: 78283

CERTIFICATIONS



SPECIFICATIONS




Sensing Mode (General)	Opposed
Sensing Mode (Detailed)	Receiver
Housing Style	Rectangular
Primary Housing Material	Thermoplastic
Input/Output	Discrete
Max Sensing Range (mm)	20000
Outputs	NPN
Power Supply/Supply Voltage	10-30 V dc
Connection	Pigtail QD
Quick Disconnect Type	M8 (Pico)
Sensing Beam	Infrared LED

Operation	Light/Dark Operate
Max Op. Temp. (°C)	60
Min Op. Temp. (°C)	-20
Output response time (ms)	1 ON/0.6 OFF
Special Feature: Intrinsically Safe	No
Special Feature: Remote Teach	No
Special Feature: Water Detection	No
IP Rating	IP67
Delay at Power-up (ms)	100
Repeatability (µs)	140
Number of Pins	4
NEMA Rating	NEMA 6
Max Op. Relative Humidity [%]	95% @ 50°C
Adjustments	N/A
Barrel Diameter (mm)	N/A
Indicator	LEDs
Opposed Mode Emitter/Receiver	Receiver
Feature: Timing (Hold/Delay)	No
Feature: Encapsulated	No
Feature: Hazardous Area	No
Feature: Audible	No

RECOMMENDED PRODUCTS

SINGLE ENDED CORDSETS






	PKG4-2
Pico-style Quick Disconnect Cable; 4 Pin Straight Connector; 2 m (6.5 ft) in Length; POM snap-lock coupling	



	<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>

	APQ20-2V
	APQ20-2V - QTY 2
	APK-Q20
	APK-Q20 - QTY 12

ACCESSORIES

	PFQ20-V
	PFQ20-V FILTER PAIR Q20 VERT



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