



Q20PRQ7

► Q20 SERIES INDUSTRY STANDARD GLOBAL HOUSING



WORLD-BEAM Q20 Series: Receiver (Red)

Range: 12 m; Input 10-30V dc

Output: Complementary Solid State PNP

Integral Pico-Style Quick-Disconnect Connector

Part Number: 77778

CERTIFICATIONS



SPECIFICATIONS

| | |
|------------------------------------|--------------------|
| Sensing Mode (General) | Opposed |
| Sensing Mode (Detailed) | Receiver |
| Housing Style | Rectangular |
| Primary Housing Material | Thermoplastic |
| Input/Output | Discrete |
| Max Sensing Range (mm) | 12000 |
| Outputs | PNP |
| Power Supply/Supply Voltage | 10-30 V dc |
| Connection | Integral QD |
| Quick Disconnect Type | M8 (Pico) |
| Sensing Beam | Visible Red 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






| | |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
|  | <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> |


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|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|  | PKG4M-2 |
| | Threaded Pico-Style Quick Disconnect Cable With ; Straight 4-Pin Connector; 2 m (6.5 ft) in Length; Threaded coupling |
|  | PKG4M-9 |
| | Threaded Pico-Style Quick Disconnect Cable With ; Straight 4-Pin Connector; 9 m (30 ft) in Length; Threaded coupling |

ADAPTERS, BRACKETS, CLAMPS AND MOUNTING ACCESSORIES


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|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|  | SMBQ20LV |
| | Bracket:Right-angle bracket; +/- 10 deg tip; Stainless Steel; Used with Q20 |
|  | SMBQ20L |
| | SMBQ20L MOUNTING BRACKET ASSY |
|  | SMBQ20U |
| | Bracket: Protective bracket; +/- 22.5 deg swivel; Stainless Steel; Used with Q20 |
|  | SMBQ20H |
| | SMBQ20H MOUNTING BRACKET ASSY |

APERTURES

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|-------------------------------------------------------------------------------------|--------------------|
|  | APQ20-0.5 |
| | APQ20-0.5 - QTY 2 |
|  | APQ20-1 |
| | APQ20-1 - QTY 2 |
|  | APQ20-2 |
| | APQ20-2 - QTY 2 |
|  | APQ20-0.5V |
| | APQ20-0.5V - QTY 2 |
|  | APQ20-1V |
| | APQ20-1V - QTY 2 |
|  | APQ20-2V |
| | APQ20-2V - QTY 2 |

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|----------------------------------------------------------------------------------|------------------|
|  | APK-Q20 |
| | APK-Q20 - QTY 12 |

ACCESSORIES

| | |
|-----------------------------------------------------------------------------------|------------------------------|
|  | PFQ20-V |
| | PFQ20-V FILTER PAIR Q20 VERT |



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