



# Q20NR

## ► Q20 SERIES INDUSTRY STANDARD GLOBAL HOUSING



WORLD-BEAM Q20 Series: Receiver (Red)  
Range: 12 m; Input 10-30V dc  
Output: Complementary Solid State NPN  
2 m (6.5 ft) Cable  
Part Number: 77779

### 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                     | NPN                |
| Power Supply/Supply Voltage | 10-30 V dc         |
| Connection                  | 2 m Cable          |
| Quick Disconnect Type       | No QD              |
| 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

ADAPTERS, BRACKETS, CLAMPS AND MOUNTING ACCESSORIES

|                                                                                     |                                                                                                |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
|  | <b>SMBQ20LV</b><br>Bracket:Right-angle bracket; +/- 10 deg tip; Stainless Steel; Used with Q20 |
|  | <b>SMBQ20L</b><br>SMBQ20L MOUNTING BRACKET ASSY                                                |

|                                                                                   |                                                                                                        |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
|  | <b>SMBQ20U</b><br><br>Bracket: Protective bracket; +/- 22.5 deg swivel; Stainless Steel; Used with Q20 |
|  | <b>SMBQ20H</b><br><br>SMBQ20H MOUNTING BRACKET ASSY                                                    |

## APERTURES

|                                                                                     |                                             |
|-------------------------------------------------------------------------------------|---------------------------------------------|
|    | <b>APQ20-0.5</b><br><br>APQ20-0.5 - QTY 2   |
|    | <b>APQ20-1</b><br><br>APQ20-1 - QTY 2       |
|    | <b>APQ20-2</b><br><br>APQ20-2 - QTY 2       |
|   | <b>APQ20-0.5V</b><br><br>APQ20-0.5V - QTY 2 |
|  | <b>APQ20-1V</b><br><br>APQ20-1V - QTY 2     |
|  | <b>APQ20-2V</b><br><br>APQ20-2V - QTY 2     |
|  | <b>APK-Q20</b><br><br>APK-Q20 - QTY 12      |

## ACCESSORIES

|                                                                                     |                                                    |
|-------------------------------------------------------------------------------------|----------------------------------------------------|
|  | <b>PFQ20-V</b><br><br>PFQ20-V FILTER PAIR Q20 VERT |
|-------------------------------------------------------------------------------------|----------------------------------------------------|



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