



QS18EN6XLPC

► QS18 SERIES ALL PURPOSE PHOTOELECTRIC SENSOR



QS18 Expert Series Clear Object Sensor

Range: 3000 mm; Input: 10-30 V dc

Output: NPN

2 m (6.5 ft) Cable

Part Number: 97637

CERTIFICATIONS



SPECIFICATIONS

Sensing Mode (General)	Retroreflective
Sensing Mode (Detailed)	Polarized (Coaxial)
Housing Style	Rectangular w/M18 Mount
Primary Housing Material	Thermoplastic
Input/Output	Discrete
Max Sensing Range (mm)	3000
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)	70
Min Op. Temp. (°C)	-40
Output response time (ms)	0.4
Special Feature: Intrinsically Safe	No
Special Feature: Remote Teach	Yes
Special Feature: Water Detection	No
IP Rating	IP67
Sensing Beam Wavelength	625
Delay at Power-up (ms)	100
Repeatability (µs)	100
Number of Pins	4
NEMA Rating	NEMA 6
Max Op. Relative Humidity [%]	95% @ 50°C
Lens Material	PMMA
Adjustments	Teach Button
Barrel Diameter (mm)	18
Indicator	LEDs
Opposed Mode Emitter/Receiver	N/A
Feature: Clear Object Detection	Yes
Feature: Timing (Hold/Delay)	Yes
Feature: Encapsulated	No
Feature: Hazardous Area	No
Feature: Audible	No
Feature: Chemical Resistant	No
IO Link	No



RECOMMENDED PRODUCTS

ADAPTERS, BRACKETS, CLAMPS AND MOUNTING ACCESSORIES

	<p>SMB18A</p> <p>Bracket: 18 mm Right Angle-mount; Material: 11 Gauge Stainless Steel; Curved mounting slot for versatility/orientation ; Clearance for M4 #8 hardware</p>
	<p>SMBQS18Y</p> <p>SMBQS18Y MOUNTING BRACKET ASSY</p>
	<p>SMBQ4XFA</p> <p>Bracket: Kit for 12 mm (1/2 in) Rod Bracket Systems; for: Q4X, QS18, QS30; Includes 3/8-16 X 2 in. Socket Head Cap Screw (SHCS)</p>
	<p>SMBQ4XFAM10</p> <p>Bracket: Kit for 10 mm (3/8 in) Rod Bracket Systems; for: Q4X, QS18, QS30; Includes M10-1.5 X 50 mm; Socket Head Cap Screw (SHCS)</p>
	<p>SMBQ4XFAM12</p> <p>Bracket: Kit for 12 mm (1/2 in) Rod Bracket Systems; for: Q4X, QS18, QS30; No Socket Head Cap Screw (SHCS) included</p>
	<p>SMB18AFA</p> <p>Bracket: Covered Mounting Bracket</p>
	<p>SMB18AFAM10</p> <p>Bracket: Covered Mounting Bracket with 10 mm Screw</p>
	<p>SMB312S</p> <p>Bracket: Side Mounting; Material: Stainless Steel 2-axis</p>

RETROREFLECTIVE TARGET

	<p>BRT-60X40C</p> <p>Retroreflective Target: Rectangular -60x40mm; Reflectivity Factor: 1.4; Max. Temp.= 50 degrees C; Plastic - two screw holes for mounting</p>
	<p>BRT-60X40IP69K</p> <p>Retroreflective Target: Rectangular -60x40mm; Reflectivity Factor: 0.7; IP69K RATED ; Plastic - two screw holes for mounting</p>
	<p>BRT-60X40C-PS</p> <p>Retroreflective Target: Rectangular -60x40mm; Reflectivity Factor: 1.1; Max. Temp.= 50 degrees C; Polystyrene Plastic; yellow - two screw holes for mounting</p>
	<p>BRT-40X19A</p> <p>BRT-40X19A</p>

	BRT-40X19A-PS
Retroreflective Target: Rectangular -40x19mm; Reflectivity Factor: 1.0; Max. Temp.= 50 degrees C; Polystyrene Plastic; yellow - two screw holes for mounting	
	BRT-92X92C
Retroreflective Target: Rectangular -92x92mm; Reflectivity Factor: 3.0; Max. Temp.= 50 degrees C; Plastic - two screw holes for mounting	

APPLICATION NOTES



**Detecting PET
Bottles to Regulate
Product Flow**



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