



M18-3VNLP-2M

► M18 SERIES 18MM METAL BARREL-MOUNT SENSOR



M18-3 Series: Nickel-Plated Brass: Polarized Retroreflective

Range: 6 m; Input: 10-30 V dc

Outputs: Complementary NPN

Connection: 4-conductor 2 m PVC Cable

Part Number: 88160

CERTIFICATIONS




SPECIFICATIONS

Sensing Mode (General)	Retroreflective
Sensing Mode (Detailed)	Polarized
Housing Style	Barrel
Primary Housing Material	Nickel-Plated Brass
Input/Output	Discrete
Max Sensing Range (mm)	6000
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)	1.5
Special Feature: Intrinsically Safe	No
Special Feature: Remote Teach	No
Special Feature: Water Detection	No
IP Rating	IP67, IP69K
Sensing Beam Wavelength	624
Delay at Power-up (ms)	100
Repeatability (µs)	100
Number of Pins	4
NEMA Rating	N/A
Max Op. Relative Humidity [%]	95% @ 50°C
Lens Material	Acrylic
Adjustments	N/A
Barrel Diameter (mm)	18
Indicator	LEDs
Opposed Mode Emitter/Receiver	N/A
Feature: Washdown Rated	Yes
Feature: Timing (Hold/Delay)	No
Feature: Encapsulated	No
Feature: Hazardous Area	No
Feature: Audible	No

RECOMMENDED PRODUCTS

ADAPTERS, BRACKETS, CLAMPS AND MOUNTING ACCESSORIES


	<p>SMB18SF</p> <p>Bracket: 18 mm Swivel; Material: Black VALOX; Mounting Flange; Swivel Locking Hardware Included</p>
	<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>SMBS18-2-1</p> <p>Accessory: for Mounting Bracket; Glass filled PBT flush mount flange nut; Use with S18-2 series barrel sensors; Package Quantity = 1</p>
	<p>SMB18FA</p> <p>Bracket: Kit for 12 mm (1/2 in.) Rod Bracket Systems for; most 18 mm barrel mount sensors; lights; and brackets; Includes 3/8-16 X 2 in. Socket Head Cap Screw (SHCS)</p>
	<p>SMB18FAM10</p> <p>Bracket: Kit for 10 mm (3/8 in) Rod Bracket Systems for; most 18 mm barrel mount sensors; lights; and brackets; Includes M10-1.5 X 50 mm Socket Head Cap Screw (SHCS)</p>
	<p>SMB18FAM12</p> <p>Bracket: Kit for 12 mm (1/2 in) Rod Bracket Systems for; most 18 mm threaded barrel sensors; lights; and brackets; No Socket Head Cap Screw (SHCS) included</p>

RETROREFLECTIVE TAPE

	<p>BRT-THG-2-100</p> <p>Retroreflective Tape: 50mm by 2.5m long; Reflectivity Factor: 0.7; Max. Temp.= 60 degrees C; Adhesive Back for mounting (.125 meters squared)</p>
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RETROREFLECTIVE TARGET

	<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-84X84A</p> <p>BRT-84X84A 84MM SQUARE REFLECTOR</p>
	<p>BRT-40X19A</p> <p>BRT-40X19A</p>

	BRT-60X40C
	Retroreflective Target: Rectangular -60x40mm; Reflectivity Factor: 1.4; Max. Temp.= 50 degrees C; Plastic - two screw holes for mounting
	BRT-84
	BRT-84



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