



M18-3VNRL-2M

► M18 SERIES 18MM METAL BARREL-MOUNT SENSOR



M18-3 Series: Nickel-Plated Brass: Receiver;

Range: 25 m; Input: 10-30 V dc

Outputs: Complementary NPN

Connection: 4-conductor 2 m PVC Cable

Part Number: 88186

CERTIFICATIONS



SPECIFICATIONS

Sensing Mode (General)	Opposed
Sensing Mode (Detailed)	Receiver
Housing Style	Barrel
Primary Housing Material	Nickel-Plated Brass
Input/Output	Discrete
Max Sensing Range (mm)	25000
Outputs	NPN
Power Supply/Supply Voltage	10-30 V dc
Connection	2 m Cable
Quick Disconnect Type	No QD
Sensing Beam	N/A
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
Delay at Power-up (ms)	100
Repeatability (µs)	170
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	Receiver
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





SMB18SF

Bracket: 18 mm Swivel; Material: Black VALOX; Mounting Flange; Swivel Locking Hardware Included

	<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>

APERTURES

	<p>AP18SCN</p> <p>Aperture Kit; Includes: three round apertures; 0.5 mm 1.0 mm & 2.5 mm ; For Opposed Mode T18 Series Sensors - QTY 3</p>
	<p>AP18SRN</p> <p>Aperture Kit; Includes: three rectangular apertures; 0.5 mm 1.0 mm & 2.5 mm ; For Opposed Mode T18 Series Sensors - QTY 3</p>
	<p>APG18S</p> <p>Aperture Kit; Includes: glass lens to protect from chemicals; For Opposed Mode S18 M18 and T18 Series Sensors - QTY 1</p>



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