



M18-3VNRL-Q8

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: Euro M12 4-pin Integral Connector
Part Number: 88187

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	Integral QD
Quick Disconnect Type	M12 (Euro)
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

SINGLE ENDED CORDSETS



MQDC-406

Euro-style Quick Disconnect Cable; 4-Pin Straight Connector; 2 m (6.5 ft) in Length; Nickel-plated Brass Coupling Nut

	MQDC-415 Euro-style Quick Disconnect Cable; 4-Pin Straight Connector; 5 m (15 ft) in Length; Nickel-plated Brass Coupling Nut.
	MQDC-430 Euro-style Quick Disconnect Cable; 4-Pin Straight Connector; 9 m (30 ft) in Length; Nickel-plated Brass Coupling Nut
	MQDC-450 Euro-Style Quick Disconnect Cable; 4-Pin Straight Connector; 15 m (50 ft) in Length; Nickel-plated Brass Coupling Nut
	MQDC-406RA Euro-Style Quick Disconnect Cable; 4-Pin Right-Angle Connector; 2 m (6.5 ft) in Length; Nickel-plated brass coupling nut
	MQDC-415RA Euro-Style Quick Disconnect Cable; 4-Pin Right-Angle Connector; 5 m (15 ft) in Length; Nickel-plated brass coupling nut
	MQDC-430RA Euro-Style Quick Disconnect Cable; 4-Pin Right-Angle Connector; 9 m (30 ft) in Length; Nickel-plated brass coupling nut
	MQDC-450RA Euro-Style Quick Disconnect Cable; 4-Pin Right-Angle Connector; 15 m (50 ft) in Length; Nickel-plated brass coupling nut
	MQDC-WDSS-0406 Euro-style Quick Disconnect Cable; 4-Pin Straight Connector for F&B Applications; 2 m (6.5 ft) in Length abrasion resistant PVC cable; Stainless Steel hex coupling nut and EPDM O-ring; Environmental Rating: IP69K
	MQDC-WDSS-0415 Euro-style Quick Disconnect Cable; 4-Pin Straight Connector for F&B Applications; 5 m (15 ft) in Length abrasion resistant PVC cable; Stainless Steel hex coupling nut and EPDM o-ring; Environmental Rating: IP69K
	MQDC-WDSS-0430 Euro-style Quick Disconnect Cable; 4-Pin Straight Connector for F&B Applications; 9 m (30 ft) in Length abrasion resistant PVC cable; Stainless Steel hex coupling nut and EPDM o-ring; Environmental Rating: IP69K

ADAPTERS, BRACKETS, CLAMPS AND MOUNTING ACCESSORIES

	SMB18SF Bracket: 18 mm Swivel; Material: Black VALOX; Mounting Flange; Swivel Locking Hardware Included
	SMB18A Bracket: 18 mm Right Angle-mount; Material: 11 Gauge Stainless Steel; Curved mounting slot for versatility/orientation ; Clearance for M4 #8 hardware
	SMBS18-2-1 Accessory: for Mounting Bracket; Glass filled PBT flush mount flange nut; Use with S18-2 series barrel sensors; Package Quantity = 1
	SMB18FA 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)
	SMB18FAM10 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)
	SMB18FAM12 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

APERTURES

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



