XS612B2PAL01M12

Inductive proximity sensors XS, inductive sensor XS6 M12, L59mm, brass, Sn5mm, 12...24 VDC, M12 0.15 m





Main

Series name Application Sensor Type Inductive proximity sensor Type of sensing window Adjustable Sensor name XS6 Sensor design Cylindrical M12 Size 55 mm Body type Fixed Detector flush mounting acceptance Material Metal Type of output signal Discrete Wiring Technique 3-wire [Sn] nominal sensing distance 0.13 in (3.4 mm) flush mountable Discrete output function 1 NO Output circuit type DC Discrete output type PNP Electrical connection Remote male connector M12, 4 pins Cable length 0.49 ft (0.15 m) [Us] rated supply voltage Switching capacity in mA IP degree of protection IP67 double insulation conforming to IEC 60529 IP69K conforming to DIN 40050	Range of Product	Telemecanique Inductive proximity sensors XS
Type of sensing window Sensor name XS6 Sensor design Cylindrical M12 Size 55 mm Body type Fixed Detector flush mounting acceptance Material Metal Type of output signal Discrete Wiring Technique [Sn] nominal sensing distance Discrete output function Discrete output function Output circuit type DC Discrete output type Electrical connection Remote male connector M12, 4 pins Cable length 0.49 ft (0.15 m) [Us] rated supply voltage Switching capacity in mA IP degree of protection IP67 double insulation conforming to IEC 60529	Series name	Application
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Size 55 mm Body type Fixed Detector flush mounting acceptance Material Metal Type of output signal Discrete Wiring Technique 3-wire [Sn] nominal sensing distance 0.13 in (3.4 mm) flush mountable 0.13 in (3.4 mm) flush mountable Discrete output function 1 NO Output circuit type DC Discrete output type PNP Electrical connection Remote male connector M12, 4 pins Cable length 0.49 ft (0.15 m) [Us] rated supply voltage Switching capacity in mA IP degree of protection IP67 double insulation conforming to IEC 60529	Sensor name	XS6
Body type Fixed Detector flush mounting acceptance Material Metal Type of output signal Discrete Wiring Technique 3-wire [Sn] nominal sensing distance 0.13 in (3.4 mm) flush mountable 0.13 in (3.4 mm) flush mountable Discrete output function 1 NO Output circuit type DC Discrete output type PNP Electrical connection Remote male connector M12, 4 pins Cable length 0.49 ft (0.15 m) [Us] rated supply voltage Switching capacity in mA IP degree of protection IP67 double insulation conforming to IEC 60529	Sensor design	Cylindrical M12
Detector flush mounting acceptance Material Metal Type of output signal Discrete Wiring Technique 3-wire [Sn] nominal sensing distance 0.13 in (3.4 mm) flush mountable 0.13 in (3.4 mm) flush mountable Discrete output function 1 NO Output circuit type DC Discrete output type PNP Electrical connection Remote male connector M12, 4 pins Cable length 0.49 ft (0.15 m) [Us] rated supply voltage Switching capacity in mA IP degree of protection IP67 double insulation conforming to IEC 60529	Size	55 mm
Acceptance Material Metal Type of output signal Discrete Wiring Technique 3-wire [Sn] nominal sensing distance 0.20 In (5 mm) non flush mountable 0.13 in (3.4 mm) flush mountable Discrete output function 1 NO Output circuit type DC Discrete output type PNP Electrical connection Remote male connector M12, 4 pins Cable length 0.49 ft (0.15 m) [Us] rated supply voltage Switching capacity in mA IP degree of protection IP67 double insulation conforming to IEC 60529	Body type	Fixed
Type of output signal Discrete Wiring Technique [Sn] nominal sensing distance Discrete output function Output circuit type DC Discrete output type PNP Electrical connection Cable length O.49 ft (0.15 m) [Us] rated supply voltage Switching capacity in mA IP degree of protection Discrete O.20 In (5 mm) non flush mountable O.13 in (3.4 mm) flush mountable D C Discrete output type DC PNP Electrical connection Remote male connector M12, 4 pins O.49 ft (0.15 m) [Us] rated supply voltage Switching capacity in mA IP degree of protection IP67 double insulation conforming to IEC 60529	9	Non flush mountable
Wiring Technique [Sn] nominal sensing distance Discrete output function Output circuit type DC Discrete output type PNP Electrical connection Cable length O.49 ft (0.15 m) [Us] rated supply voltage Switching capacity in mA IP degree of protection O.20 In (5 mm) non flush mountable O.21 in (3.4 mm) flush mountable DC Drown Flush mountable O.20 In (5 mm) non flush mountable O.20 In (5 mm) flush mountable O.13 in (3.4 mm) flush mountable O.14 in (3.4 mm) flush mountable O.15 mm) INO Output circuit type DC Discrete output type PNP Electrical connection Remote male connector M12, 4 pins Cable length O.49 ft (0.15 m) IP degree of protection IP67 double insulation conforming to IEC 60529	Material	Metal
[Sn] nominal sensing distance 0.20 In (5 mm) non flush mountable 0.13 in (3.4 mm) flush mountable Discrete output function 1 NO Output circuit type DC Discrete output type PNP Electrical connection Remote male connector M12, 4 pins Cable length 0.49 ft (0.15 m) [Us] rated supply voltage Switching capacity in mA IP degree of protection IP67 double insulation conforming to IEC 60529	Type of output signal	Discrete
distance 0.13 in (3.4 mm) flush mountable Discrete output function 1 NO Output circuit type DC Discrete output type PNP Electrical connection Remote male connector M12, 4 pins Cable length 0.49 ft (0.15 m) [Us] rated supply voltage Switching capacity in mA IP degree of protection IP67 double insulation conforming to IEC 60529	Wiring Technique	3-wire
Output circuit type DC Discrete output type PNP Electrical connection Remote male connector M12, 4 pins Cable length 0.49 ft (0.15 m) [Us] rated supply voltage 1224 V DC reverse polarity protection voltage Switching capacity in mA IP degree of protection IP67 double insulation conforming to IEC 60529		` ,
Discrete output type PNP Electrical connection Remote male connector M12, 4 pins Cable length 0.49 ft (0.15 m) [Us] rated supply 1224 V DC reverse polarity protection voltage Switching capacity in mA IP degree of protection IP67 double insulation conforming to IEC 60529	Discrete output function	1 NO
Electrical connection Remote male connector M12, 4 pins Cable length 0.49 ft (0.15 m) [Us] rated supply voltage 1224 V DC reverse polarity protection voltage	Output circuit type	DC
Cable length 0.49 ft (0.15 m) [Us] rated supply voltage 1224 V DC reverse polarity protection Switching capacity in mA IP degree of protection IP67 double insulation conforming to IEC 60529	Discrete output type	PNP
[Us] rated supply voltage 1224 V DC reverse polarity protection voltage Switching capacity in mA = 100 mA overload and short-circuit protection mA IP degree of protection IP67 double insulation conforming to IEC 60529	Electrical connection	Remote male connector M12, 4 pins
voltage Switching capacity in mA Switching capacity in mA IP degree of protection Switching capacity in mA overload and short-circuit protection mA IP degree of protection IP67 double insulation conforming to IEC 60529	Cable length	0.49 ft (0.15 m)
mA IP degree of protection IP67 double insulation conforming to IEC 60529		1224 V DC reverse polarity protection
· ·		<= 100 mA overload and short-circuit protection
	IP degree of protection	· · · · · · · · · · · · · · · · · · ·

Complementary

o in promortary		
Thread type	M12 x 1	
Detection face	Frontal	
Front material	PPS	
Enclosure Material	Nickel Plated Brass	
Sensing range	> 0.160.31 in (> 48 mm)	
Fine adjustment zone	0.070.13 In (1.73.4 mm) flush mountable 0.070.20 in (1.75 mm) non flush mountable	
Differential travel	115% of Sr	
Cable composition	3 x 0.34 mm²	
Wire insulation material	PvR	
Status LED	Supply on and teach mode 1 LED green) Output state 1 LED yellow)	
Supply voltage limits	1036 V DC	
Switching frequency	<= 1000 Hz	
Maximum voltage drop	<2 V closed)	
Current consumption	<= 10 mA no-load	
Maximum delay first up	10 ms	
Maximum delay response	0.3 ms	
Maximum delay recovery	0.7 ms	

Marking	CE
Threaded length	1.65 in (42 mm)
Length	2.32 in (59 mm)
Net Weight	0.22 lb(US) (0.1 kg)

Environment

Product Certifications	UL CSA	
Ambient Air Temperature for Operation	-13158 °F (-2570 °C)	
Ambient Air Temperature for Storage	-40185 °F (-4085 °C)	
Vibration resistance	25 gn +/- 2 mm 1055 Hz)IEC 60068-2-6	
Shock resistance	50 gn 11 ms IEC 60068-2-27	

Ordering and shipping details

Category	22486-SENSORS, PROXIMITY	
Discount Schedule	DS2	
GTIN	3389110147933	
Nbr. of units in pkg.	1	
Package weight(Lbs)	1.98 oz (56.0 g)	
Returnability	No	
Country of origin	FR	

Packing Units

· coming come		
Unit Type of Package 1	PCE	
Package 1 Height	1.02 in (2.6 cm)	
Package 1 width	5.55 in (14.1 cm)	
Package 1 Length	4.92 in (12.5 cm)	
Unit Type of Package 2	S02	
Number of Units in Package 2	22	
Package 2 Weight	4.48 lb(US) (2.034 kg)	
Package 2 Height	5.91 in (15 cm)	
Package 2 width	11.81 in (30 cm)	
Package 2 Length	15.75 in (40 cm)	
Package 3 Height	5.91 in (15 cm)	

Offer Sustainability

Sustainable offer status	Green Premium product	
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov	
REACh Regulation	☑ REACh Declaration	
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EVEL RoHS Declaration	
Mercury free	Yes	
RoHS exemption information	€Yes	
Environmental Disclosure	Product Environmental Profile	
Circularity Profile		

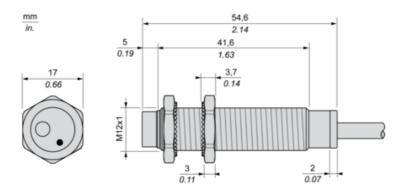
Contractual warranty

Warranty	18 months

Product data sheet Dimensions Drawings

XS612B2PAL01M12

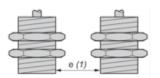
Dimensions



XS612B2PAL01M12

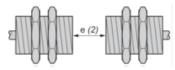
Minimum Mounting Distances in mm

Side by side



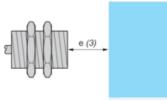
e (1)			
Flush mounted		Not flush mounted	
mm	in.	mm	in.
≥ 14	≥ 0.55	50	1.97

Face to face



e (2)			
Flush mounted		Not flush mounted	
mm	in.	mm	in.
≥ 50	≥ 1.97	100	3.94

Facing a metal object



e (3)	
mm	in.
≥ 3.4	≥ 0.13

Product data sheet Connections and Schema

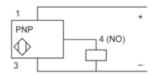
XS612B2PAL01M12

Wiring Schemes

M12 connector



PNP



1:(+)

2 : Not connected

3:(-)

4: NO Output