

XS612B1PAL10EX

Inductive proximity sensors XS for hazardous area dust, M12, Sn4mm, 12...48 VDC, NO, cable 10 m



Main

Range of Product	Telemecanique Inductive proximity sensors XS
Series name	Application
Sensor Type	Inductive proximity sensor
Device Application	ATEX dust
Sensor name	XS6
Sensor design	Cylindrical M12
Size	12 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Enclosure Material	Nickel Plated Brass
[Sn] nominal sensing distance	0.2 in (4 mm)
Type of output signal	Discrete
Wiring Technique	3-wire
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Cable
Cable length	32.8 ft (10 m)
[Us] rated supply voltage	12...48 V DC reverse polarity protection
Switching capacity in mA	<= 200 mA overload and short-circuit protection
IP degree of protection	IP68 conforming to IEC 60529 IP69K

Complementary

Thread type	M12 x 1
Detection face	Frontal
Front material	PPS
Sensing range	> 0.1...0.16 in (> 2.5...4 mm)
Operating zone	0.0000000000...0.1 in (0...3.2 mm)
Differential travel	1...15% of Sr
Cable composition	3 x 0.34 mm ²
Wire insulation material	PVC
Status LED	Output state 1 LED yellow)
Supply voltage limits	10...58 V DC
Switching frequency	<= 2500 Hz
Maximum voltage drop	<2 V closed state)
Current consumption	<= 10 mA no-load
Maximum delay first up	10 ms
Maximum delay response	0.2 ms
Maximum delay recovery	0.2 ms
Marking	II2 D-Ex tb IIIC T90°C Db IP68

Threaded length	1.7 in (42 mm)
Length	2.09 in (53 mm)

Environment

Environmental characteristic	Hazardous location
Standards	IEC 60079-31 IEC 60079-0
Directives	2014/34/EU - ATEX directive
Product Certifications	IEC-Ex INE 17.0006[RETURN]INERIS 04ATEX0022
Ambient Air Temperature for Operation	-4...140 °F (-20...60 °C)
Vibration resistance	25 gn +/- 2 mm 10...55 Hz)IEC 60068-2-6
Shock resistance	50 gn 11 ms IEC 60068-2-27
Dust zone	Zone 21 - 22

Ordering and shipping details

Category	US10DS222486
Discount Schedule	0DS2
GTIN	3389110955040
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.56 in (6.500 cm)
Package 1 Width	3.15 in (8.000 cm)
Package 1 Length	5.51 in (14.000 cm)
Package 1 Weight	11.217 oz (318.000 g)
Unit Type of Package 2	S03
Number of Units in Package 2	20
Package 2 Height	11.81 in (30.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	15.166 lb(US) (6.879 kg)

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
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
RoHS exemption information	 Yes
Circularity Profile	 End Of Life Information

Contractual warranty

Warranty	18 months
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