XS1N12PC410

inductive sensor XS1 M12, L33mm, brass, Sn2mm, 12..24VDC, cable 2 m





Main

Range of Product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor Type	Inductive proximity sensor
Device Application	Mobile equipment
Sensor name	XS1
Sensor design	Cylindrical M12
Size	37 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Type of output signal	Discrete
Wiring Technique	4-wire
[Sn] nominal sensing distance	0.08 in (2 mm)
Discrete output function	1 NO + 1 NC
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Cable
Cable length	6.56 ft (2 m)
[Us] rated supply voltage	1224 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 IP65

Complementary

Complementary	
Safety level	SIL 2 EN/IEC 61508 PL = d EN/ISO 13849-1 SILCL 2 IEC 62061
Safety reliability data	MTTFd = 1810 years PFHd = 62.9E-9 1/h SFF = 92 % DC = 74 % with appropriate safety controller
Service Life	20 year(s)
Thread type	M12 x 1
Detection face	Frontal
Front material	PPS
Enclosure Material	Nickel Plated Brass
Operating zone	0.000.06 in (01.6 mm)
Differential travel	115% of Sr
Cable composition	4 x 0.22 mm²
Wire insulation material	PvR
Status LED	Output state 1 LED yellow)
Supply voltage limits	936 V DC
Switching frequency	<= 5000 Hz
Maximum voltage drop	<2 V closed)
Current consumption	010 mA no-load

Maximum delay first up	5 ms
Maximum delay response	0.1 ms
Maximum delay recovery	0.1 ms
Marking	CE
Threaded length	0.98 in (25 mm)
Length	1.46 in (37 mm)
Net Weight	0.15 lb(US) (0.07 kg)

Environment

Chandanda	IEC 00004
Standards	IEC 62061
	EN/ISO 13849-1
Product Certifications	TÜV
	E2
	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	3389110916874
Nbr. of units in pkg.	1
Package weight(Lbs)	2.86 oz (81.0 g)
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE	
Package 1 Height	1.65 in (4.2 cm)	
Package 1 width	3.74 in (9.5 cm)	
Package 1 Length	5.20 in (13.2 cm)	
Unit Type of Package 2	S02	
Number of Units in Package 2	22	
Package 2 Weight	4.67 lb(US) (2.117 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)	

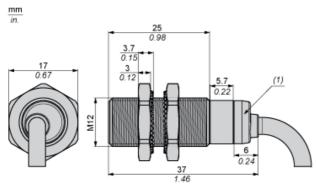
Offer Sustainability

Green Premium product
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 Declaration
Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Yes
₽¥Yes
Product Environmental Profile
End Of Life Information

Warranty 18 months

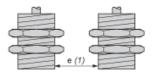
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Dimensions



Minimum Mounting Distances

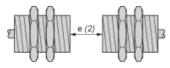
Side by side



e (1) 4 mm/0.16 in.

≥

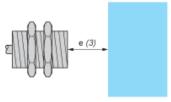
Face to face



e (2) 24 mm/0.94 in.

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Facing a metal object



e (3) 6 mm/0.24 in.

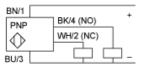
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Product data sheet Connections and Schema

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Wiring Schemes

PNP 4-wire

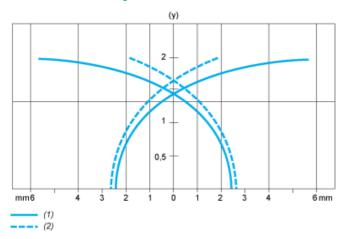


BU: Blue BN: Brown BK: Black WH: White

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Performance Curves

Standard Steel Target: 12x12x1 mm



- (1) Pick-up points
- (2) Drop-out points (object approaching from the side)(y) Sensing distance in mm