XS1N18PC410

inductive sensor XS1 M18, L40mm, brass, Sn5mm, 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 M18
Size	40 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	5 mm
Discrete output function	1 NO + 1 NC
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Cable
Cable length	2 m
[Us] rated supply voltage	1224 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA with overload and short-circuit protection
IP degree of protection	IP68 conforming to IEC 60529 IP65

Complementary		
Safety level	SIL 2 conforming to IEC 61508 PL = d conforming to ISO 13849-1 SILCL 2 conforming to 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	M18 x 1	
Detection face	Frontal	
Front material	PPS	
Enclosure material	Nickel plated brass	
Operating zone	04 mm	
Differential travel	115% of Sr	
Cable composition	4 x 0.22 mm²	
Wire insulation material	PVC	
Status LED	Output state: 1 LED (yellow)	
Supply voltage limits	936 V DC	
Switching frequency	<= 2000 Hz	
Maximum voltage drop	<2 V (closed)	
Current consumption	010 mA no-load	
Maximum delay first up	5 ms	

Maximum delay response	0.15 ms
Maximum delay recovery	0.35 ms
Marking	CE
Threaded length	28 mm
Length	40 mm
Net weight	0.1 kg

Environment

Standards	IEC 62061 ISO 13849-1
Product certifications	E2[RETURN]TÜV[RETURN]CSA[RETURN]UL
Ambient air temperature for operation	-2570 °C
Ambient air temperature for storage	-4085 °C
Vibration resistance	25 gn amplitude = +/- 2 mm (f = 1055 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.000 cm
Package 1 Width	14.000 cm
Package 1 Length	16.500 cm
Package 1 Weight	102.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	44
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	4.986 kg

Offer Sustainability

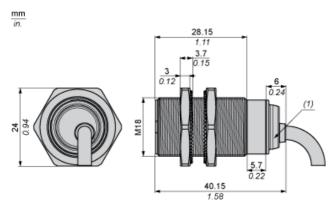
Sustainable offer status	Green Premium product
Circularity Profile	☑ End of Life Information
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), 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
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Contractual warranty

Warranty	18 months	
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Dimensions

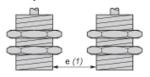


(1) LED

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Minimum Mounting Distances

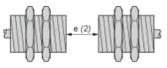
Side by side



e (1) 10 mm/0.39 in.

2

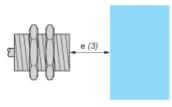
Face to face



e (2) 60 mm/2.36 in.

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Facing a metal object



e (3) 15 mm/0.60 in

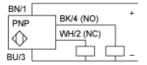
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Product data sheet Connections and Schema

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Wiring Schemes

PNP 4-wire

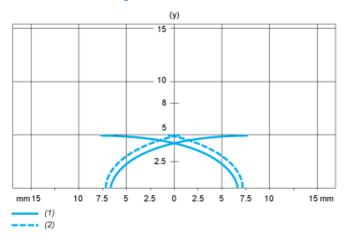


BU: Blue BN: Brown BK: Black WH: White

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Performance Curves

Standard Steel Target: 18x18x1 mm



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