XS1N18PC410D

inductive sensor XS1 M18, L51mm, brass, Sn5mm, 12..24VDC, M12



Main

Telemecanique Inductive proximity sensors XS General purpose
General purpose
Inductive proximity sensor
Mobile equipment
XS1
Cylindrical M18
51 mm
Fixed
Flush mountable
Metal
Discrete
4-wire
5 mm
1 NO + 1 NC
DC
PNP
Male connector M12, 4 pins
1224 V DC with reverse polarity protection
<= 200 mA with overload and short-circuit protection
IP69K conforming to DIN 40050 IP65 conforming to IEC 60529 IP67

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
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	51 mm	
Net weight	0.04 kg	

Environment

Standards	IEC 62061
3.3.3.3.3.	ISO 13849-1
Product certifications	E2[RETURN]CSA[RETURN]TÜV[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	2.4 cm
Package 1 Width	8.0 cm
Package 1 Length	12.0 cm
Package 1 Weight	58.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	44
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	2.882 kg

Offer Sustainability

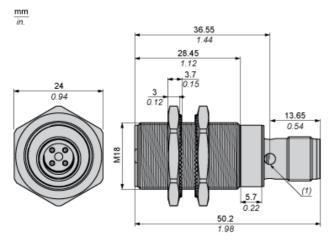
Sustainable offer status	Green Premium product
Circularity Profile	☐ End of Life Information
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), 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



Dimensions

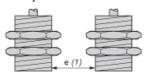


(1) LED

XS1N18PC410D

Minimum Mounting Distances

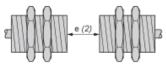
Side by side



e (1) 10 mm/0.39 in.

≥

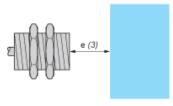
Face to face



e (2) 60 mm/2.36 in.

≥

Facing a metal object



e (3) 15 mm/0.60 in

≥

Product data sheet Connections and Schema

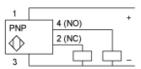
XS1N18PC410D

Wiring Schemes

M12 connector



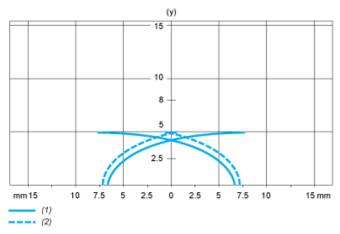
PNP 4-wire



XS1N18PC410D

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