XS1M18PAS20D

Inductive proximity sensors XS, inductive sensor XS1 M18, L70mm, stainless, Sn5mm, 12...24 VDC, M12

Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	Application
Sensor type	Inductive proximity sensor
Device application	Selective detection of non ferrous materials
Sensor name	XS1
Sensor design	Cylindrical M18
Size	70 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Stainless steel
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	5 mm
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Male connector M12, 4 pins
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA with overload and short-circuit protection
IP degree of protection	IP67 conforming to IEC 60529

Complementary

Thread type	M18 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Stainless steel : 304 CU
Operating zone	0…4 mm
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	10…38 V DC
Switching frequency	<= 1000 Hz
Maximum voltage drop	<2.6 V (closed)
Current consumption	0...15 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	52 mm
Height	18 mm
Length	70 mm
Net weight	0.6 kg

Environment

Product certifications	UL[RETURN]CSA
Ambient air temperature for operation	-25…70 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.500 cm
Package 1 Width	8.100 cm
Package 1 Length	7.200 cm
Package 1 Weight	70.900 g
Unit Type of Package 2	S01
Number of Units in Package 2	9
Package 2 Height	15 cm
Package 2 Width	15 cm
Package 2 Length	40 cm
Package 2 Weight	874.000 g

Offer Sustainability

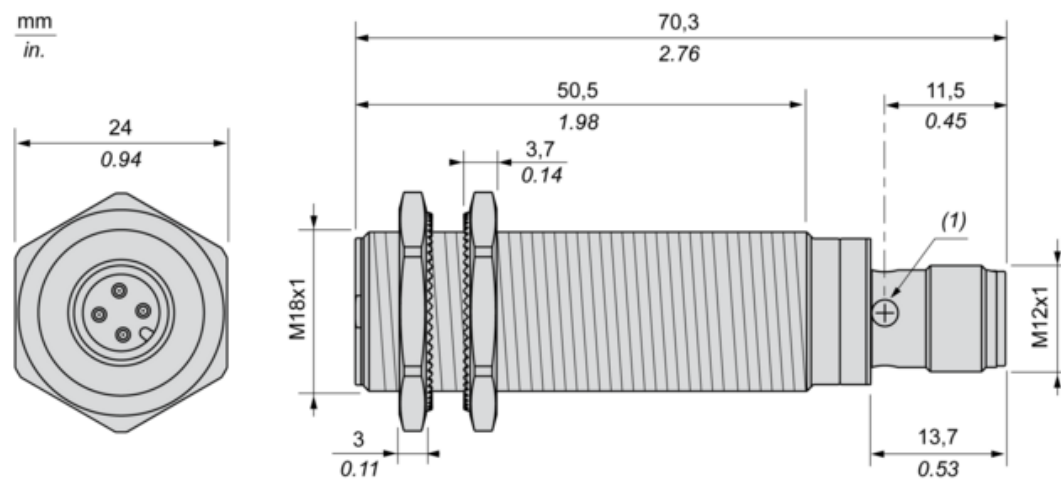|	
Sustainable offer status	Green Premium product
Circularity Profile	End of Life Information
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP),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

Face to face

e (2) ≥ 60 mm/2.36 in.

Facing a metal object

e (3) ≥ 15 mm/0.60 in

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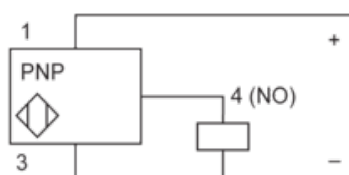
Wiring Schemes
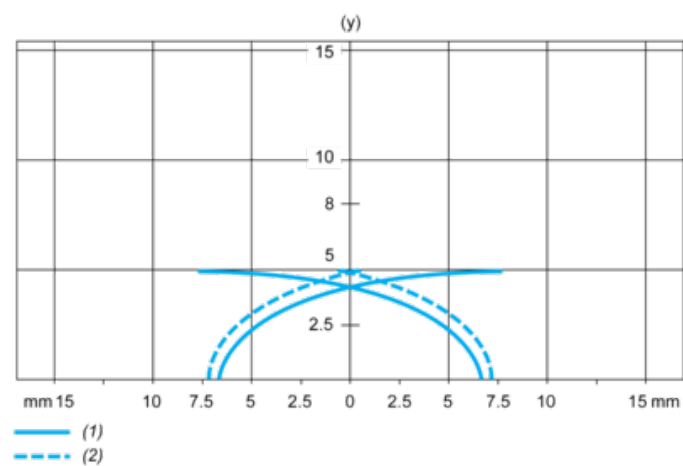
M12 connector

PNP

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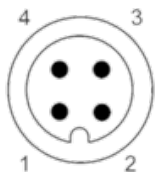
Performance Curves

Standard Steel Target : 18x18x1 mm

(1) Pick-up points

(2) Drop-out points (object approaching from the side)

(y) Sensing distance in mm

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