XS118BLNAL5

inductive sensor XS1 M18, L53mm, brass, Sn5mm, 12..24VDC, cable 5m



Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Sensor name	XS1
Sensor design	Cylindrical M18
Size	53 mm
Body type	Fixed
Enclosure material	Nickel plated brass
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	5 mm
Discrete output function	1 NO
Discrete output type	NPN
Electrical connection	Cable
Cable length	5 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	IP67 conforming to IEC 60529

Complementary

Complementary	
ISO thread	M18 x 1
Detection face	Frontal
Detector flush mounting acceptance	Flush mountable
Material	Metal
Front material	PBT
Operating zone	04 mm
Differential travel	115% of Sr
Output circuit type	DC
Cable composition	3 x 0.14 mm²
Wire insulation material	PVC
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	1036 V DC
Switching frequency	<= 1200 Hz
Maximum voltage drop	<2 V (closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	15 ms
Maximum delay response	0.1 ms
Maximum delay recovery	0.3 ms
Marking	CE
Threaded length	41 mm
Length	53 mm
Net weight	0.225 kg

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not interest of and is not to be used for determining suitability or flushed products for specific user applications. It is the documentation is not integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither TMSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Environment

Product certifications	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	6.6 cm
Package 1 Width	9.7 cm
Package 1 Length	13.2 cm
Package 1 Weight	255.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	10
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	3.005 kg

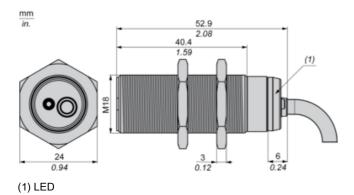
Contractual warranty

•	Warranty	18 months
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Product data sheet Dimensions Drawings

XS118BLNAL5

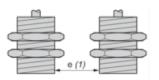
Dimensions



XS118BLNAL5

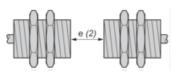
Minimum Mounting Distances

Side by side

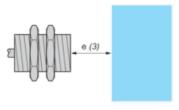


e (1) ≥ 10 mm/0.39 in.

Face to face



e (2) ≥ 60 mm/2.36 in. Facing a metal object



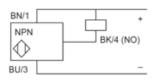
e (3) ≥ 15 mm/0.60 in

Product data sheet Connections and Schema

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Wiring Schemes





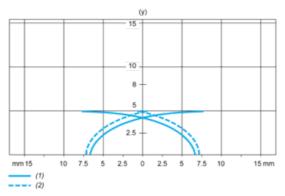
BU : Blue BN : Brown BK : Black

Product data sheet Performance Curves

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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