

Product data sheet

XS1M12KP340

Inductive sensor, XS1, M12, brass, Sn 2 mm, cable 2 m, L50 mm, 12...24 VDC

Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor name	XS1
Sensor type	Inductive proximity sensor
Sensor design	Cylindrical M12
ETIM classification	ETIM 9 - EC002714 - Inductive proximity switch
Body type	Fixed
Material	Metal
Front material	PPS
Enclosure material	Nickel plated brass
[Sn] nominal sensing distance	2 mm
Wiring technique	4-wire
Detector flush mounting acceptance	Flush mountable
Delay response	0.1 ms
Thread type	M12 x 1
Product certifications	CSA UL
Marking	CE
Indivisible sale quantity	1

Complementary

Sensing range	> 0...2.5 mm
Electrical connection	Cable
Cable length	2 m
Cable composition	4 x 0.22 mm²
Wire insulation material	PVC
Supply voltage limits	10-36 V DC
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA with overload and short-circuit protection

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 intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
It is the duty of any such user or 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.

Voltage drop	<2.6 V (closed)
Current consumption	0...10 mA no-load
Status LED	Output state: 1 LED (yellow)
Output circuit type	DC
Type of output signal	Discrete
Detection face	Frontal
Discrete output type	PNP and NPN
Discrete output function	1 NO or 1 NC programmable
Switching frequency	<= 5000 Hz
Differential travel	1...15 % of Sr
Delay first up	5 ms
Delay recovery	0.1 ms
Threaded length	42 mm
Length	54 mm
Size	54 mm
Product weight	0.075 kg

Environment

IP degree of protection	IP68 double insulation conforming to IEC 60529
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27
Vibration resistance	25 gn amplitude = +/- 2 mm (f = 10-55 Hz) conforming to IEC 60068-2-6

Offer Sustainability

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

Warranty

Warranty	18 months

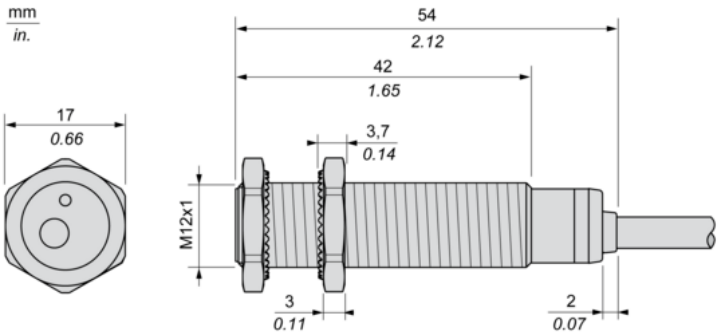
Packing Units

Country of origin	FR (France)
Unit type of package 1	PCE
Number of units in package 1	1
New Package 1 GTIN-13	3666916018477
Package 1 height	4.2 cm
Package 1 width	13.5 cm

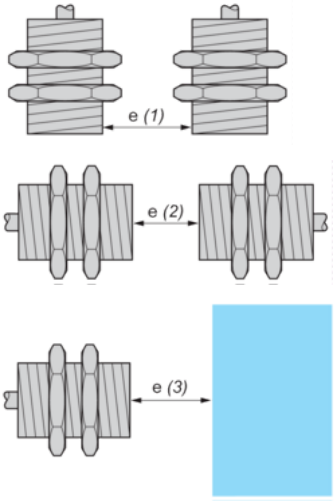
Package 1 length	9.6 cm
Package 1 weight	0.075 kg
Unit type of package 2	S03
Number of units in package 2	44
New Package 2 GTIN 14	13666916018474
Package 2 height	30 cm
Package 2 width	30 cm
Package 2 length	40 cm
Package 2 weight	4.953 kg
Unit type of package 3	CAR
Number of units in package 3	1
New Package 3 GTIN 14	23666916018471
Package 3 height	9.6 cm
Package 3 width	4.2 cm
Package 3 length	13.5 cm
Package 3 weight	0.102 kg

Technical Drawings

Dimensions

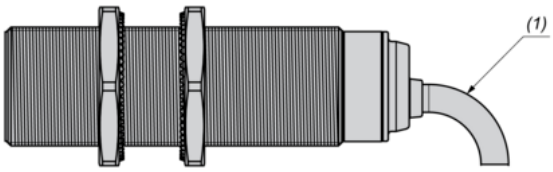


Minimum Mounting Distances



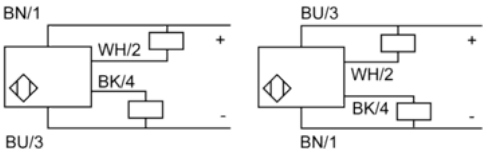
Side by side
e (1) ≥
Face to face
e (2) ≥
Facing a metal object
e (3) ≥

Mounting



(1)

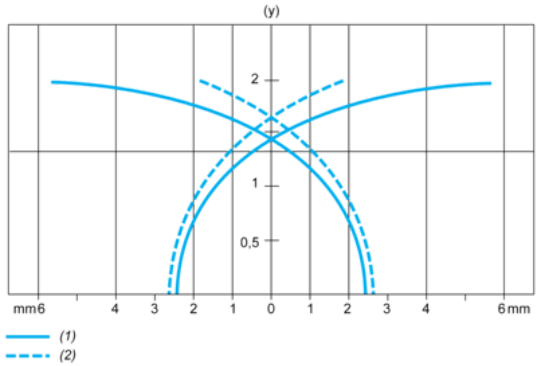
Wiring Schemes



4-Wire DC, PNP/NPN, NO or NC Output
BU :
BN :
BK :
WH :

Performance Curves

Standard Steel Target : 12x12x1 mm



(1)
(2)
(y)