Product data sheet
Characteristics

XS7F1A1DAL01M8
Inductive proximity sensors XS, inductive sensor XS7 15x32x8, PBT, Sn5mm, 12...24 VDC, M8 0.15 m

Main

Range of Product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor Type	Inductive proximity sensor
Device Application	-
Sensor name	XS7
Sensor design	Flat form 15 x 32 x 8
Size	8 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Plastic
Enclosure Material	PBT
Type of output signal	Discrete
Wiring Technique	2-wire
Discrete output function	1 NO
Output circuit type	DC
Electrical connection	Remote male connector M8, 3 pins
Cable length	0.49 ft (0.15 m)
[Us] rated supply voltage	12...24 V DC reverse polarity protection
Switching capacity in mA	1.5...100 mA DC overload and short-circuit protection
IP degree of protection	IP68 conforming to IEC 60529

Complementary

Detection face	Frontal
Front material	PBT
Operating zone	0.00…0.16 in (0…4 mm)
Differential travel	1...15% of Sr
Wire insulation material	PvR
Status LED	Output state 1 LED yellow)
Supply voltage limits	10…36 V DC
Maximum residual current	0.5 mA open state
Switching frequency	<= 5000 Hz
Maximum voltage drop	<4 V closed)
Maximum delay first up	5 ms
Maximum delay response	5 ms
Maximum delay recovery	5 ms
Marking	CE
Depth	0.31 in (8 mm)
Height	1.26 in (32 mm)
Width	0.59 in (15 mm)
Net Weight	0.10 lb(US) (0.045 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 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.
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Environment

Product Certifications	CSA C-tick UL
Ambient Air Temperature for Operation	-13…158 °F (-25…70 °C)
Ambient Air Temperature for Storage	-40…185 °F (-40…85 °C)
Vibration resistance	25 gn +/- 2 mm 10…55 Hz)IEC 60068-2-6
Shock resistance	50 gn 11 ms IEC 60068-2-27

Ordering and shipping details

Category	22486-SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	3389110140408
Nbr. of units in pkg.	1
Package weight(Lbs)	1.13 oz (32.0 g)
Returnability	No
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.65 in (4.2 cm)
Package 1 width	3.74 in (9.5 cm)
Package 1 Length	2.60 in (6.6 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	22
Package 2 Weight	2.56 lb(US) (1.159 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
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
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile

Contractual warranty

Warranty	18 months

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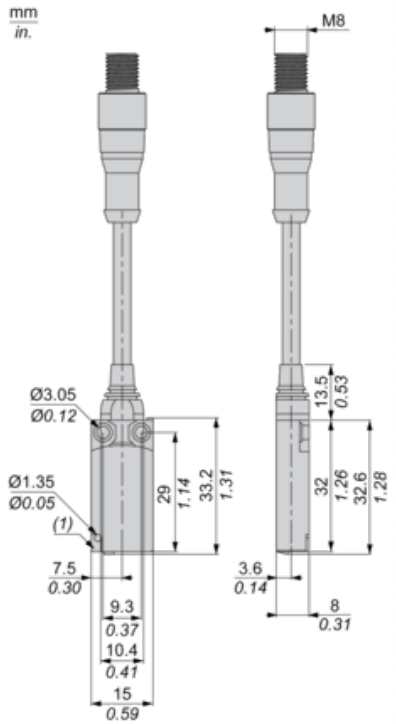
Dimensions

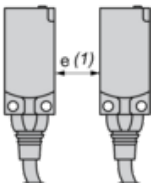


(1) LED

Setting-up

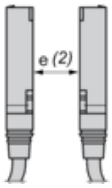
Minimum Mounting Distances (mm)

Side by Side



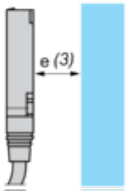
e (1) ≥ 15

Face to Face



e (2) ≥ 40

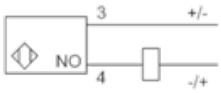
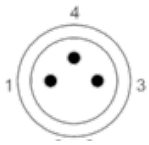
Facing a Metal Object



e (3) ≥ 15

Wiring Schemes

2-Wire NO



M8