

Product data sheet

Characteristics

XS8C1A1MBL01U20

Inductive proximity sensors XS, inductive sensor XS8 40x40x15, PBT, Sn25mm, 24...240VAC/DC, 1/2" 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	XS8
Sensor design	Flat form 40 x 40 x 15
Size	15 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Plastic
Enclosure Material	PBT
Type of output signal	Discrete
Wiring Technique	2-wire
[Sn] nominal sensing distance	0.59 in (15 mm) flush mountable 0.98 in (25 mm) non flush mountable
Discrete output function	1 NC
Output circuit type	AC/DC
Electrical connection	Remote male connector 1/2"20 UNF, 3 pins
Cable length	0.49 ft (0.15 m)
[Us] rated supply voltage	24...240 V AC/DC 50/60 Hz
Switching capacity in mA	5...200 mA DC 5...300 mA AC
IP degree of protection	IP67 double insulation conforming to IEC 60529

Complementary

Detection face	Frontal
Front material	PBT
Fine adjustment zone	0.31...0.59 in (8...15 mm) flush mountable 0.31...0.98 in (8...25 mm) non flush mountable
Differential travel	1...15% of Sr
Wire insulation material	PvR
Supply voltage limits	20...264 V AC/DC
Maximum residual current	1.5 mA open state
Switching frequency	<= 1000 Hz
Maximum voltage drop	<5.5 V closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	10 ms
Maximum delay response	0.3 ms
Maximum delay recovery	0.8 ms
Marking	CE
Depth	0.59 in (15 mm)
Height	1.57 in (40 mm)
Width	1.57 in (40 mm)

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Environment

Product Certifications	Ecolab CCC CSA 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	3389110142921
Nbr. of units in pkg.	1
Package weight(Lbs)	2.96 oz (84.0 g)
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.52 in (6.4 cm)
Package 1 width	3.70 in (9.4 cm)
Package 1 Length	1.73 in (4.4 cm)
Unit Type of Package 2	S01
Number of Units in Package 2	20
Package 2 Weight	4.34 lb(US) (1.97 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	5.91 in (15 cm)
Package 2 Length	15.75 in (40 cm)

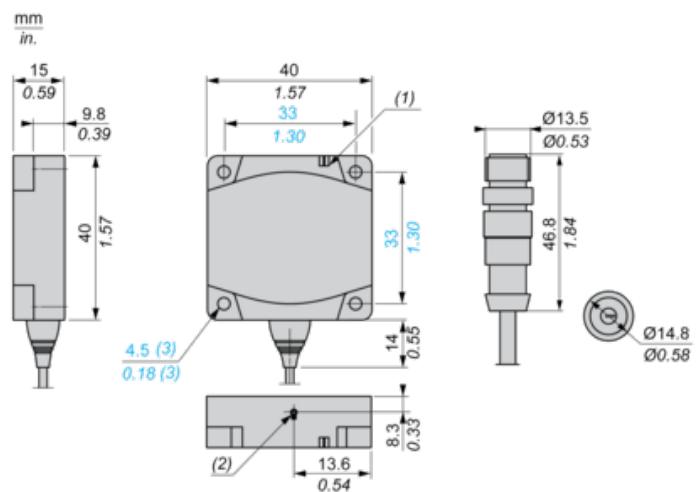
Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisobutyl 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

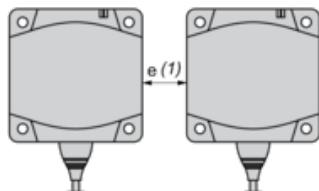


- (1) LED
- (2) Teach mode button
- (3) For CHC type screws

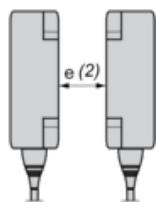
Setting-up

Minimum Mounting Distances (mm)

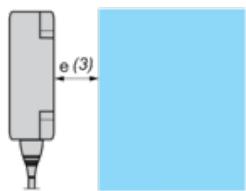
Side by Side



Face to Face



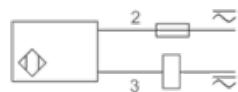
Facing a Metal Object



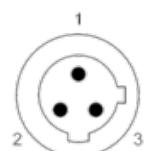
	e (1)	e (2)	e (3)
Flush mounted	60	120	15
Not flush mounted	125	250	

Wiring Schemes

2-Wire NC Output



1/2"-20UNF



Mouser Electronics

Authorized Distributor

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