

Product data sheet

Specifications



Inductive proximity sensors XS, inductive sensor XS8 26x26x13, PBT, Sn15mm, 12...24 VDC, M8

XS8E1A1PBM8

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 26 x 26 x 13
Size	13 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Plastic
Enclosure material	PBT
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	10 mm flush mountable 15 mm non flush mountable
Discrete output function	1 NC
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Male connector M8, 3 pins
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Switching capacity in mA	<= 100 mA DC with overload and short-circuit protection
IP degree of protection	IP67 conforming to IEC 60529

Complementary

Detection face	Frontal
Front material	PBT
Fine adjustment zone	5...10 mm flush mountable 5...15 mm non flush mountable
Differential travel	1...15% of Sr
Supply voltage limits	10...36 V DC

Maximum residual current	1.5 mA open state
Switching frequency	<= 2000 Hz
Maximum voltage drop	<2 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	13 mm
Height	26 mm
Width	26 mm
Product weight	0.04 kg

Environment

Product certifications	UL Ecolab CSA
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C
Vibration resistance	25 gn amplitude = +/- 2 mm (f = 10...55 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	9.0 cm
Package 1 Length	4.4 cm
Package 1 Weight	42.0 g
Unit Type of Package 2	S01
Number of Units in Package 2	20
Package 2 Height	15.0 cm
Package 2 Width	15.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	1.035 kg

Offer Sustainability

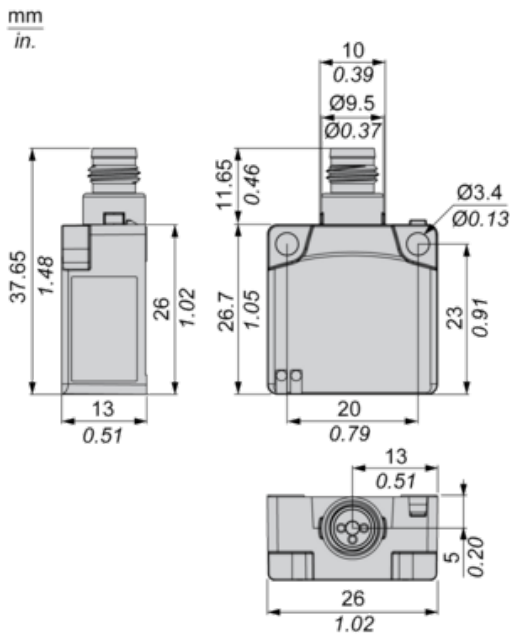
Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile

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
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Contractual warranty

Warranty	18 months
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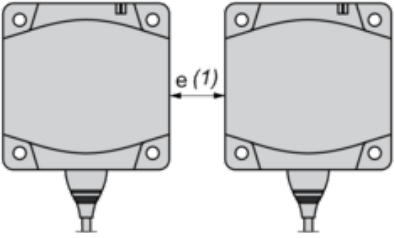
Dimensions



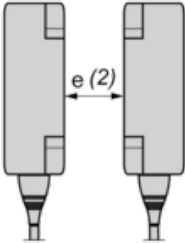
Setting-up

Minimum Mounting Distances (mm)

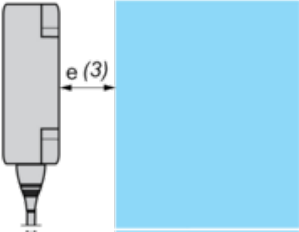
Side by Side



Face to Face



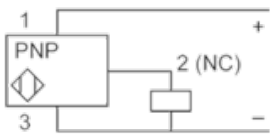
Facing a Metal Object



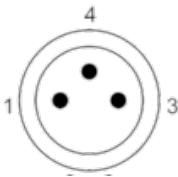
	e (1)	e (2)	e (3)
Flush mounted	40	80	10
Not flush mounted	150	300	

Wiring Schemes

PNP



M8



Recommended replacement(s)