Product datasheet

Specifications

inductive sensor XS8 26x26x13 - PBT - Sn15mm - 12..24VDC - M12 0.15m

Local distributor code: 385301835   XS8E1A1PAL01M12

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 NO
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Remote male connector M12, 4 pins
Cable length	0.15 m
[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 double insulation 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

Wire insulation material	PvR
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
Net weight	0.04 kg

Environment

|	
Product certifications	UL CSA Ecolab
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 Weight	54.0 g
Package 1 Height	4.2 cm
Package 1 width	9.6 cm
Package 1 Length	6.6 cm
Unit Type of Package 2	S02
Number of Units in Package 2	44
Package 2 Weight	2.695 kg
Package 2 Height	15 cm
Package 2 width	30 cm
Package 2 Length	40 cm

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

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RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile

Contractual warranty

Warranty	18 months

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Dimensions
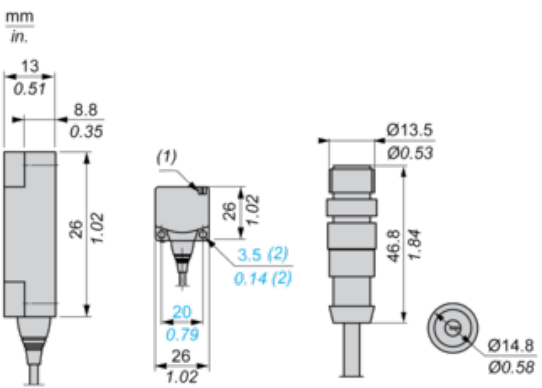
(1) LED

(2) For CHC type screws

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Setting-up

Minimum Mounting Distances (mm)

Side by Side
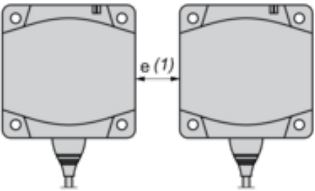
Face to Face
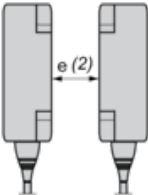
Facing a Metal Object
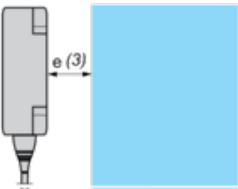
	e (1)	e (2)	e (3)
Flush mounted	40	80	10
Not flush mounted	150	300	

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Wiring Schemes

PNP

M12