Product data sheet
Characteristics

XS7F1A1PAL01M8
inductive sensor XS7 15x32x8 - PBT - Sn5mm - 12..24VDC - M8 0.15m

Green Premium™ Product

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	3-wire
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	PNP
Electrical connection	3 pins M8 remote male connector
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	IP68 conforming to IEC 60529

Complementary

Detection face	Frontal
Front material	PBT
Operating zone	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
Switching frequency	<= 2000 Hz
Maximum voltage drop	<2 V (closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	5 Ms
Maximum delay response	0.1 Ms

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Maximum delay recovery	0.1 Ms
Marking	CE
Depth	8 Mm
Height	32 Mm
Width	15 Mm
Net weight	0.045 Kg

Environment

Product certifications	C-Tick CSA UL
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

Package 1 Weight	0.030 Kg
Package 1 Height	0.420 Dm
Package 1 width	0.970 Dm
Package 1 Length	0.670 Dm

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

Contractual warranty

Warranty	18 months

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Dimensions
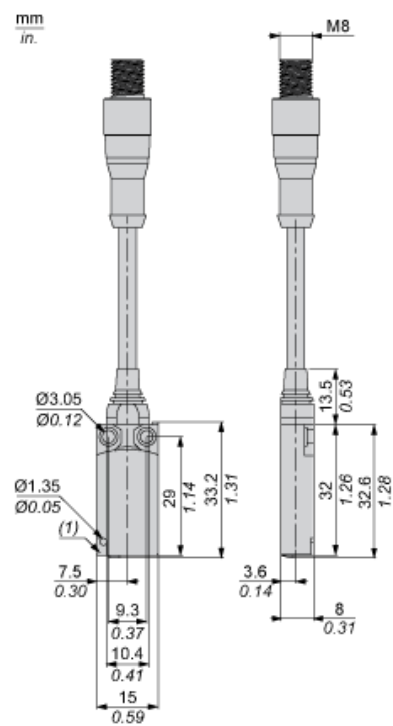
(1)   LED
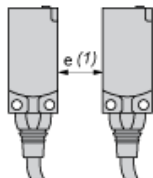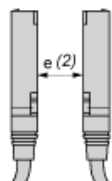
Setting-up

Minimum Mounting Distances (mm)

Side by Side

e (1) ≥15

Face to Face

e (2) ≥40

Facing a Metal Object

e (3) ≥15

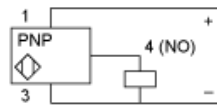Schneider Electric
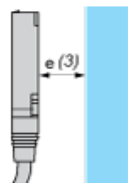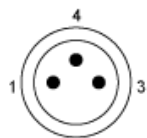
Wiring Schemes

PNP

M8

Product Life Status :	Commercialised