Product datasheet

Specifications

Green Premium™

inductive sensor XS7 15x32x8 - PBT - Sn5mm - 12..24VDC - cable 2m

XS7F1A1NAL2

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	NPN
Electrical connection	cable
Cable length	2 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
Cable composition	3 x 0.34 mm²

Life Is On | Schneider Electric

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
Maximum delay recovery	0.1 ms
Marking	CE
Depth	8 mm
Height	32 mm
Width	15 mm
Net weight	0.065 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

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	78.0 g
Package 1 Height	4.2 cm
Package 1 width	9.7 cm
Package 1 Length	13.3 cm
Unit Type of Package 2	S02
Number of Units in Package 2	16
Package 2 Weight	1.761 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

RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile

Contractual warranty

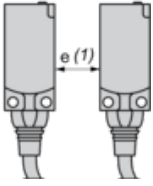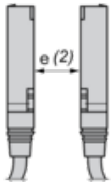| Warranty	18 months

XS7F1A1NAL2

Dimensions
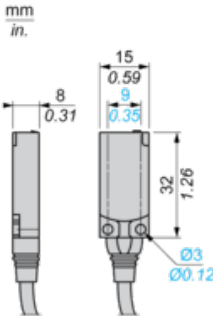
Setting-up

Minimum Mounting Distances (mm)

Side by Side

e (1) ≥ 15

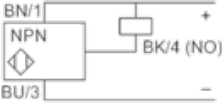**Face to Face**

e (2) ≥ 40

Facing a Metal Object
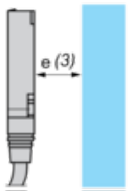
e (3) ≥ 15

Wiring Schemes

NPN

BU : Blue

BN : Brown

BK : Black