

Product data sheet

Characteristics

XS7C1A1PAL5

inductive sensor XS7 40x40x15 - PBT -
Sn15mm - 12..24VDC - cable 5m



Important message: We have updated the process for ordering Telemecanique Sensors products. For more information, please contact your Telemecanique Sensors representative in the UK&I at: UK.salesorders@tesensors.com. You can find all product information on the Telemecanique Sensors website: www.tesensors.com/uk/en
Local distributor code: 388782354
EAN Code: 3389110116076



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 40 x 40 x 15
Size	15 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	Cable
Cable length	5 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 double insulation conforming to IEC 60529

Complementary

Detection face	Frontal
Front material	PBT
Operating zone	0...12 mm
Differential travel	1...15% of Sr
Cable composition	3 x 0.34 mm ²
Wire insulation material	PVC
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	10...36 V DC
Switching frequency	<= 1000 Hz
Maximum voltage drop	<2 V (closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	10 ms
Maximum delay response	2 ms

Maximum delay recovery	5 ms
Marking	CE
Depth	15 mm
Height	40 mm
Width	40 mm
Net weight	0.215 kg

Environment

Product certifications	C-Tick[RETURN]UL[RETURN]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	9.65 cm
Package 1 Length	13.46 cm
Package 1 Weight	210 g
Unit Type of Package 2	S02
Number of Units in Package 2	10
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	2.458 kg
Unit Type of Package 3	P06
Number of Units in Package 3	160
Package 3 Height	75 cm
Package 3 Width	40 cm
Package 3 Length	80 cm
Package 3 Weight	58.28 kg

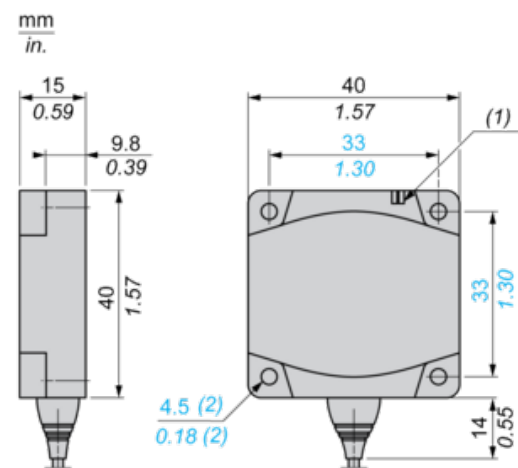
Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
RoHS exemption information	 Yes
Circularity Profile	No need of specific recycling operations

Contractual warranty

Warranty	18 months
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Dimensions



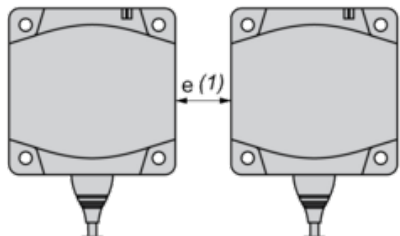
(1) LED

(2) For CHC type screws

Setting-up

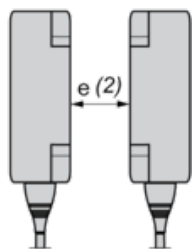
Minimum Mounting Distances (mm)

Side by Side



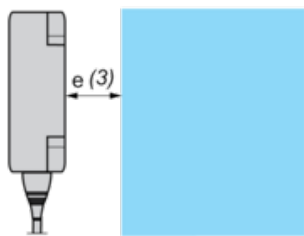
$$e (1) \geq 45$$

Face to Face



$$e (2) \geq 110$$

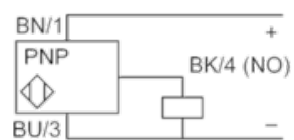
Facing a Metal Object



$$e (3) \geq 45$$

Wiring Schemes

PNP



BU : Blue

BN : Brown

BK : Black