Product data sheet
Characteristics

XS7D1A1PBL5

inductive sensor XS7 80x80x26 - PBT - Sn40mm - 12..24VDC - cable 5m

Green Premium™

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 80 x 80 x 26
Size	26 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 NC
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…32 mm
Differential travel	1...15% of Sr
Cable composition	3 x 0.34 mm²
Wire insulation material	PVC
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	10…36 V DC
Switching frequency	<= 100 Hz
Maximum voltage drop	<2 V (closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	30 ms
Maximum delay response	5 ms
Maximum delay recovery	35 ms
Marking	CE
Depth	26 mm
Height	80 mm

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Width	80 mm
Net weight	0.46 kg

Environment

Product certifications	UL[RETURN]C-Tick[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

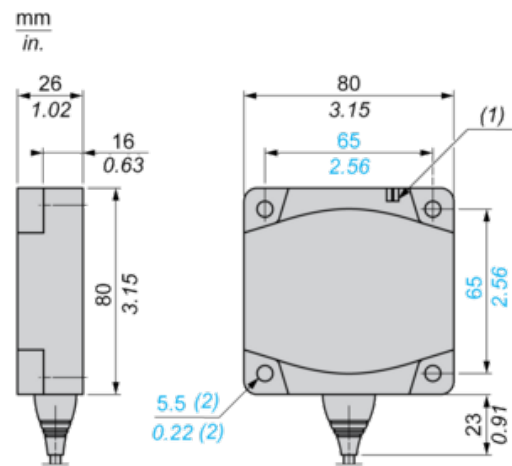| Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	14.8 cm
Package 1 Width	8 cm
Package 1 Length	8 cm
Package 1 Weight	420 g

Offer Sustainability

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

Contractual warranty

Warranty	18 months

Product data sheet
Dimensions Drawings

XS7D1A1PBL5

Dimensions

mm
/in.

26
1.02

16
0.63

80
3.15

80
3.15

65
2.56

65
2.56

(1)

5.5 (2)
0.22 (2)

23
0.91

(1) LED
(2) For CHC type screws

Setting-up

Minimum Mounting Distances (mm)

Side by Side

e (1) ≥ 120

Face to Face

e (2) ≥ 300

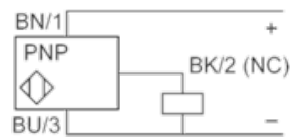Facing a Metal Object

e (3) ≥ 120

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Wiring Schemes

PNP

BU : Blue
BN : Brown
BK : Black