Product data sheet
Characteristics

XS7J1A1DBL2

inductive sensor XS7 8x22x8 - PBT - Sn2.5mm - 12..24VDC - cable 2m

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 8 x 22 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	2-wire
Discrete output function	1 NC
Output circuit type	DC
Electrical connection	Cable
Cable length	2 m
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Switching capacity in mA	1.5...100 mA DC with overload and short-circuit protection
IP degree of protection	IP67 conforming to IEC 60529

Complementary

Detection face	Frontal
Front material	PBT
Operating zone	0…2 mm
Differential travel	1...15% of Sr
Cable composition	2 x 0.11 mm²
Wire insulation material	PVC
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	10…36 V DC
Maximum residual current	0.5 mA open state
Switching frequency	<= 4000 Hz
Maximum voltage drop	<4 V (closed)
Maximum delay first up	10 ms
Maximum delay response	0.5 ms
Maximum delay recovery	1 ms
Marking	CE
Depth	8 mm
Height	22 mm
Width	8 mm
Net weight	0.05 kg

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Environment

Product certifications	CSA[RETURN]UL[RETURN]C-Tick
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

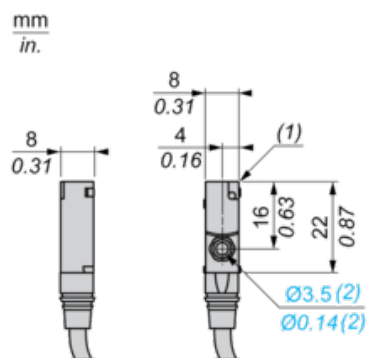|	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.2 cm
Package 1 Width	9.5 cm
Package 1 Length	13.2 cm
Package 1 Weight	53.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	16
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	1.321 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)
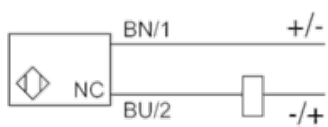
Side by Side

e (1) ≥ 7.5

Face to Face

e (2) ≥ 20

Facing a Metal Object

e (3) ≥ 7.5

Wiring Schemes

2-Wire NC

BU : Blue
BN : Brown