Product data sheet
Characteristics

XS7D1A1PAM12DIN

inductive sensor XS7 80x80x26 - PBT - Sn40mm - 12..24VDC - M12

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	40 mm
Body type	Fixed clippable onto DIN rail
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	Male connector M12, 4 pins
[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	IP67 double insulation conforming to IEC 60529

Complementary

Detection face	Frontal
Front material	PBT
Operating zone	0…32 mm
Differential travel	1...15% of Sr
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	40 mm
Height	80 mm
Width	80 mm

Environment

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

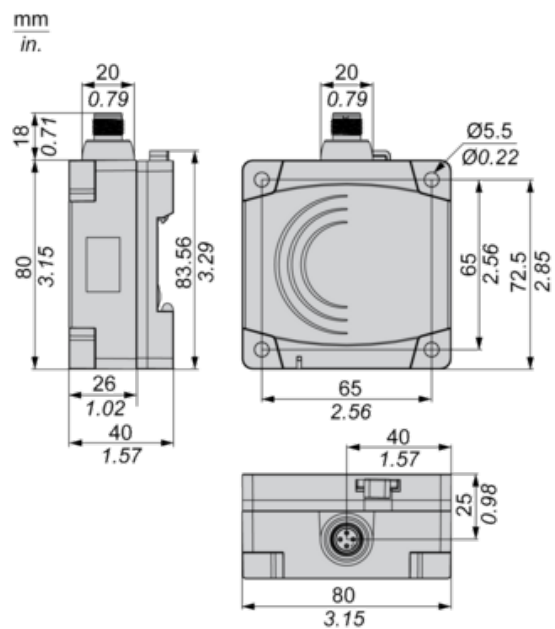|	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.2 cm
Package 1 Width	9.6 cm
Package 1 Length	13.2 cm
Package 1 Weight	384 g

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

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Dimensions

(1) Cable gland : M9.5 x 1

Setting-up

Minimum Mounting Distances (mm)
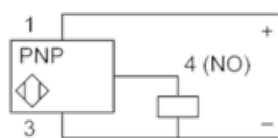
Side by Side

e (1) ≥ 120

Face to Face

e (2) ≥ 300

Facing a Metal Object

e (3) ≥ 120

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Wiring Schemes

PNP

M12