Product data sheet
Characteristics

XS8C2A4DBM12

Inductive proximity sensors XS, inductive sensor XS8 40x40x70, PBT, Sn40 mm, 12...48 VDC, M12

Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS8
Sensor design	Form 40 x 40 x 70
Size	70 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Plastic
Enclosure material	PBT
Type of output signal	Discrete
Wiring technique	2-wire
[Sn] nominal sensing distance	40 mm
Discrete output function	1 NC
Output circuit type	DC
Electrical connection	Male connector M12, 4 pins
[Us] rated supply voltage	12...48 V DC with reverse polarity protection
Switching capacity in mA	1.5...100 mA with overload and short-circuit protection
IP degree of protection	IP67 conforming to IEC 60529 IP65 conforming to IEC 60529 IP69K conforming to DIN 40050

Complementary

Detection face	5 positions turret head
Front material	PBT
Operating zone	0…32 mm
Differential travel	3...15% of Sr
Repeat accuracy	<= 3% of Sr
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	10…58 V DC
Maximum residual current	0.6 mA open state
Switching frequency	<= 200 Hz
Maximum voltage drop	<4.2 V (closed)
Maximum delay first up	7.5 ms
Maximum delay response	1.4 ms
Maximum delay recovery	2.5 ms
Marking	CE
Height	40 mm
Length	40 mm

Width	70 mm
Net weight	0.149 kg

Environment

Product certifications	CCC[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 EN 60068-2-27

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	8.8 cm
Package 1 Width	4.3 cm
Package 1 Length	4.7 cm
Package 1 Weight	149.0 g

Offer Sustainability

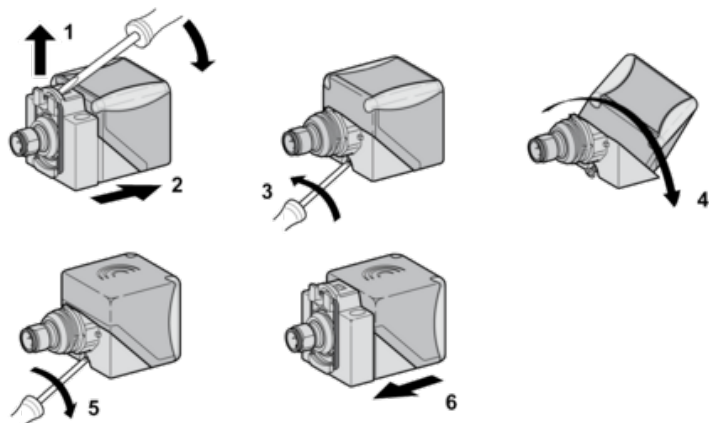|	
REACh Regulation	REACh Declaration
EU RoHS Directive	Not applicable, out of EU RoHS legal scope
Circularity Profile	No need of specific recycling operations

Contractual warranty

Warranty	18 months

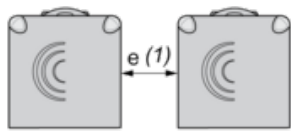Life Is On | Schneider Electric

Dimensions
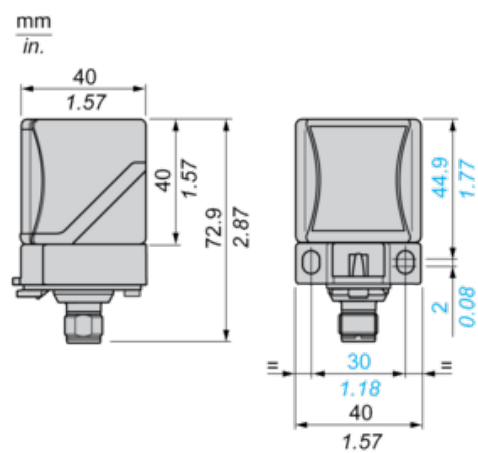
Mounting
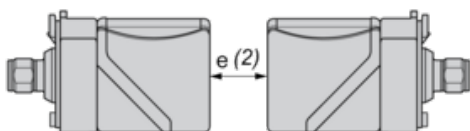
Head Positions

Setting-up Precautions

Minimum Mounting Distances (mm)

Side by Side

e (1) ≥ 160

Face to Face

e (2) ≥ 320

Facing a Metal Object

e (3) ≥ 120

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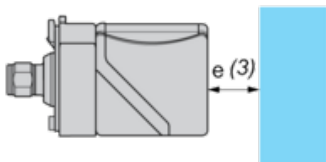
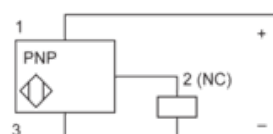## Wiring Schemes

M12 connector
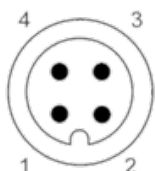
PNP

1 : (+)

2 : NC Output

3 : (-)

4 : Not connected