

Product data sheet Characteristics

XS8C4A4DPG13

inductive sensor XS8 40x40x117 - PBT - Sn40 mm - 12..48VDC - terminals





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 117
Size	117 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 NO or 1 NC programmable
Output circuit type	DC
Electrical connection	Screw-clamp terminals, 4 x 1.5 mm ²
[Us] rated supply voltage	1248 V DC with reverse polarity protection
Switching capacity in mA	1.5100 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

Complementary		
Detection face	5 positions turret head	
Front material	PBT	
Operating zone	032 mm	
Differential travel	315% of Sr	
Repeat accuracy	<= 3% of Sr	
Cable entry number	1 tapped entry for Pg 13.5 cable gland	
Status LED	Output state: 1 LED (yellow)	
Supply voltage limits	1058 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	

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.

This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Width	117 mm
Net weight	0.244 kg

Environment

Product certifications	CCC[RETURN]UL[RETURN]CSA
Ambient air temperature for operation	-2570 °C
Ambient air temperature for storage	-4085 °C
Vibration resistance	25 gn amplitude = +/- 2 mm (f = 1055 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	14.500 cm
Package 1 Width	5.000 cm
Package 1 Length	5.000 cm
Package 1 Weight	248.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	14
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	3.770 kg

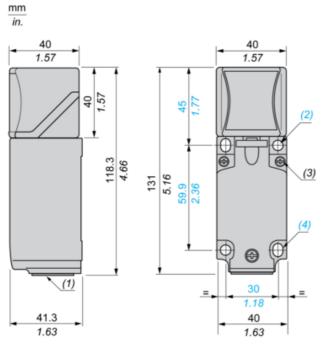
Offer Sustainability

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

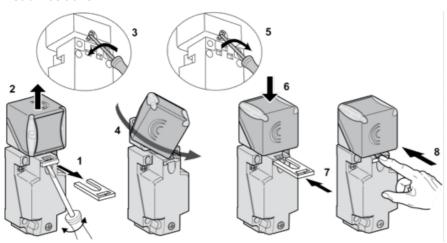


- (1): Pg 13.5 cable gland.
- (2) : 2 holes Ø 5,45 mm / Ø 0.21 in. Tightening torque: < 1,5 Nm / < 13.3 lb-in.
- (3) : 3 screws M3,5. Tightening torque: < 1,2 Nm / < 10.6 lb-in.
- (4) : 2 alongated holes 5,4 x 7,4 mm / 0.21 x 0.29 in. Tightening torque: < 1,5 Nm / < 13.3 lb-in".

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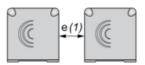
Mounting

Head Positions

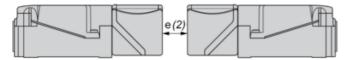


Setting-up Precautions

Side by Side

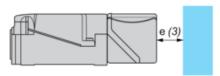


e (1) ≥ 160 Face to Face



e (2) ≥ 320

Facing a Metal Object



e (3) ≥ 120

Product data sheet Connections and Schema

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Wiring Schemes

2-Wire DC (Non Polarised)

