

Product data sheet Characteristics

XS8C4A1DPG13

Inductive proximity sensors XS, inductive sensor XS8 40x40x117, PBT, Sn20 mm, 12...48 VDC, 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	Flush mountable	
Material	Plastic	
Enclosure material	PBT	
Type of output signal	Discrete	
Wiring technique	2-wire	
[Sn] nominal sensing distance	20 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

Detection face	5 positions turret head	
Front material	PBT	
Operating zone	016 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	<= 300 Hz	
Maximum voltage drop	<4.2 V (closed)	
Maximum delay first up	7.5 ms	
Maximum delay response	1.2 ms	
Maximum delay recovery	1.8 ms	
Marking	CE	
Height	40 mm	

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This documentation is not intended as a substitute for and is not to be used for determining suitability of these products for specific user applications.
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Length	40 mm	
Width	117 mm	
Net weight	0.244 kg	

Environment

roduct certifications UL[RETURN]CSA[RETURN]CCC		
Ambient air temperature for operation -2570 °C		
Ambient air temperature for storage	-4085 °C	
/ibration resistance 25 gn amplitude = +/- 2 mm (f = 1055 Hz) conforming to IEC 60068-2-6		
Shock resistance	nce 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	5.000 cm
Package 1 Width	5.000 cm
Package 1 Length	14.500 cm
Package 1 Weight	240.000 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	3.661 kg

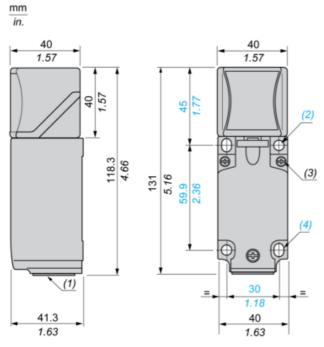
Offer Sustainability

Sustainable offer status	Green Premium product	Green Premium product	
REACh Regulation	REACh Declaration	☑ 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	No need of specific recycling operations	

Contractual warranty

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Warrantv	18 months	

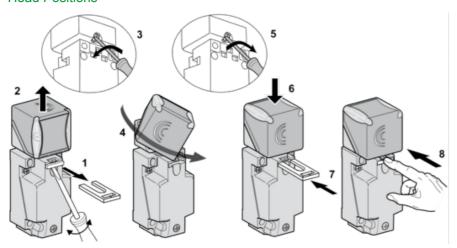
Dimensions



- (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".

Mounting

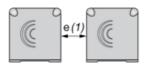
Head Positions



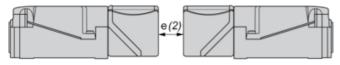
Setting-up Precautions

Minimum Mounting Distances (mm)

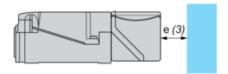
Side by Side



e (1) ≥ 80 Face to Face



e (2) ≥ 160 Facing a Metal Object



e (3) ≥ 60

Product data sheet Connections and Schema

XS8C4A1DPG13

Wiring Schemes

2-Wire DC (Non Polarised)

