

Product data sheet Characteristics

XS8C4A1NCG13

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	Mobile equipment	
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	4-wire	
[Sn] nominal sensing distance	20 mm	
Discrete output function	1 NO + 1 NC	
Output circuit type	DC	
Discrete output type	NPN	
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	<= 200 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	Supply on: 1 LED (green) Output state: 1 LED (yellow)	
Supply voltage limits	1058 V DC	
Switching frequency	<= 300 Hz	
Maximum voltage drop	<2 V (closed)	
Current consumption	015 mA no-load	
Maximum delay first up	7.5 ms	
Maximum delay response	1.2 ms	
Maximum delay recovery	1.8 ms	

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Marking	CE
Height	40 mm
Length	40 mm
Width	117 mm
Net weight	0.244 kg

Environment

Product certifications	CSA[RETURN]E2[RETURN]CCC[RETURN]UL	
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 IEC 60068-2-27	

Packing Units

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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	253.000 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	3.879 kg

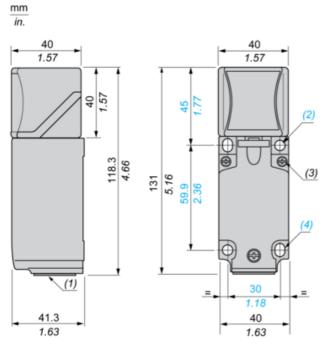
Offer Sustainability

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	19 months	
vvarranty	18 months	

Dimensions

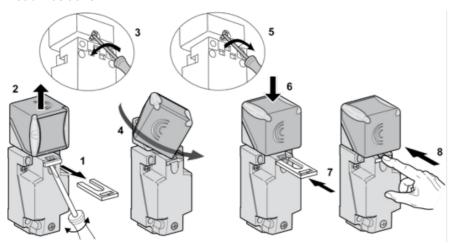


- (1): Pg 13.5 cable gland.
- (2) : 2 holes Ø 5,45 mm / Ø 0.21 in. Tightening torque: < 1,5 Nm / < 13.3 lb-in.
- (3) : 3 screws M3,5. Tightening torque: < 1,2 Nm / < 10.6 lb-in.
- (4) : 2 alongated holes 5,4 x 7,4 mm / 0.21 x 0.29 in. Tightening torque: < 1,5 Nm / < 13.3 lb-in".

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Mounting

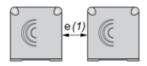
Head Positions



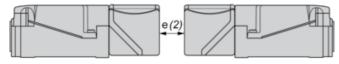
Setting-up Precautions

Minimum Mounting Distances (mm)

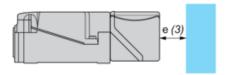
Side by Side



e (1) ≥ 80 Face to Face



e (2) ≥ 160 Facing a Metal Object



e (3) ≥ 60

Product data sheet Connections and Schema

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Wiring Schemes

4-Wire DC

