

Product data sheet

Specifications



Inductive proximity sensors XS, inductive sensor XS8 40x40x117, PBT, Sn40 mm, 12...48 VDC, terminals

XS8C4A4DPG13

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	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

Cable entry number	1 tapped entry for Pg 13.5 cable gland
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	117 mm
Net weight	0.244 kg

Environment

Product certifications	CCC UL 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

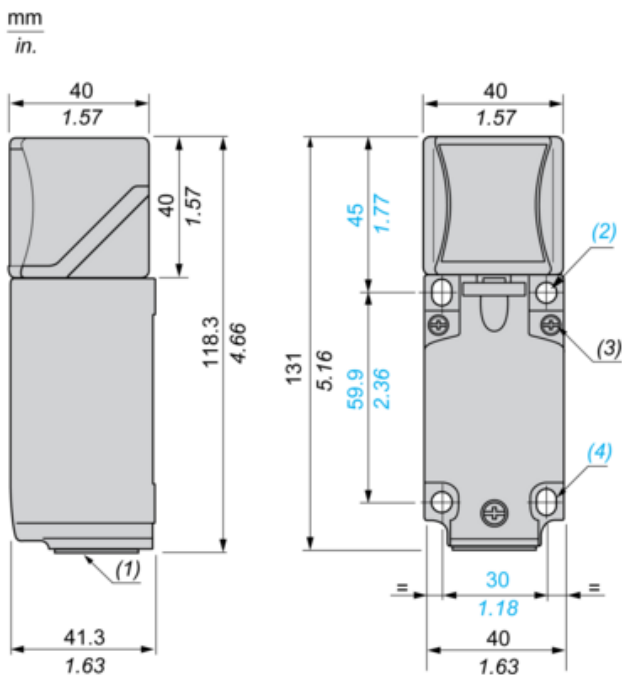
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.0 cm
Package 1 Width	5.0 cm
Package 1 Length	14.5 cm
Package 1 Weight	248.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	14
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	3.77 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) EU RoHS Declaration
Mercury free	Yes

RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
Contractual warranty	
Warranty	18 months

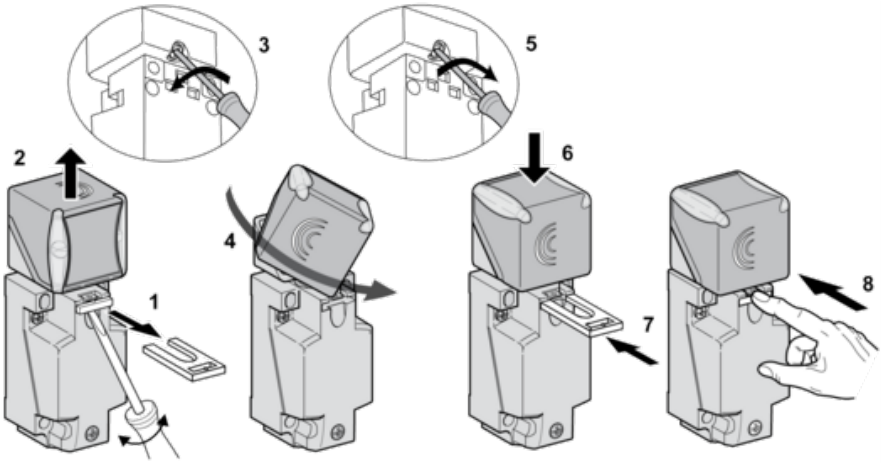
Dimensions



- (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".

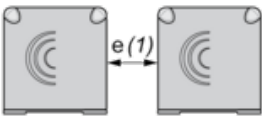
Mounting

Head Positions



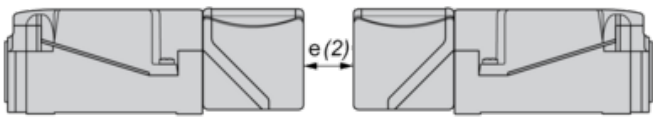
Setting-up Precautions

Side by Side



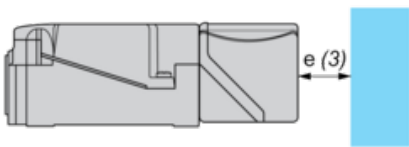
$e(1) \geq 160$

Face to Face



$e(2) \geq 320$

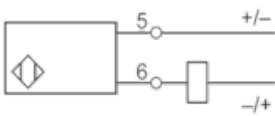
Facing a Metal Object



$e(3) \geq 120$

Wiring Schemes

2-Wire DC (Non Polarised)



Recommended replacement(s)