Product data sheet
Characteristics

XS8C4A1MPP20
Inductive proximity sensors XS, inductive sensor XS8 40x40x117, PBT, Sn20 mm, 24...240VAC/DC, 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	0.79 in (20 mm)
Discrete output function	1 NO or 1 NC programmable
Output circuit type	AC/DC
Electrical connection	Screw-clamp terminals, 4 x 1.5 mm²
[Us] rated supply voltage	24...240 V AC 50/60 Hz 24...240 V DC
Switching capacity in mA	5...200 mA DC 5...300 mA AC
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	0.00…0.63 in (0…16 mm)
Differential travel	3...15% of Sr
Repeat accuracy	<= 3% of Sr
Cable entry number	1 tapped entry M20 x 1.5 cable gland
Status LED	Supply on 1 LED green) Output state 1 LED yellow)
Supply voltage limits	20…264 V AC/DC
Maximum residual current	1.5 MA open state 120 V 0.6 mA open state 24 V
Switching frequency	<= 25 Hz AC <= 50 Hz DC
Maximum voltage drop	<5.5 V closed)
Maximum delay first up	7.5 ms
Maximum delay response	1.2 ms
Maximum delay recovery	1.8 ms
Marking	CE
Height	1.57 in (40 mm)
Length	1.57 in (40 mm)

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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.
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Width	4.61 in (117 mm)
Net Weight	0.54 lb(US) (0.244 kg)

Environment

Product Certifications	CSA CCC UL
Ambient Air Temperature for Operation	-13…158 °F (-25…70 °C)
Ambient Air Temperature for Storage	-40…185 °F (-40…85 °C)
Vibration resistance	25 gn +/- 2 mm 10…55 Hz)IEC 60068-2-6
Shock resistance	50 gn 11 msEN 60068-2-27

Ordering and shipping details

Category	22486-SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	3389119058186
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.97 in (5.0 cm)
Package 1 Width	1.97 in (5.0 cm)
Package 1 Length	5.71 in (14.5 cm)
Package 1 Weight	8.25 oz (234.0 g)
Unit Type of Package 2	S02
Number of Units in Package 2	14
Package 2 Height	5.91 in (15.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	7.99 lb(US) (3.626 kg)

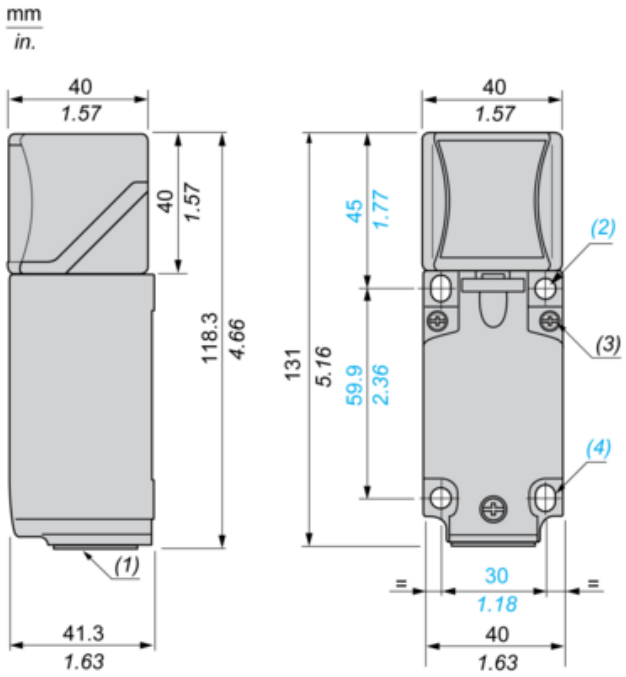
Offer Sustainability

Sustainable offer status	Green Premium product
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
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
Circularity Profile	No need of specific recycling operations

Contractual warranty

Warranty	18 months

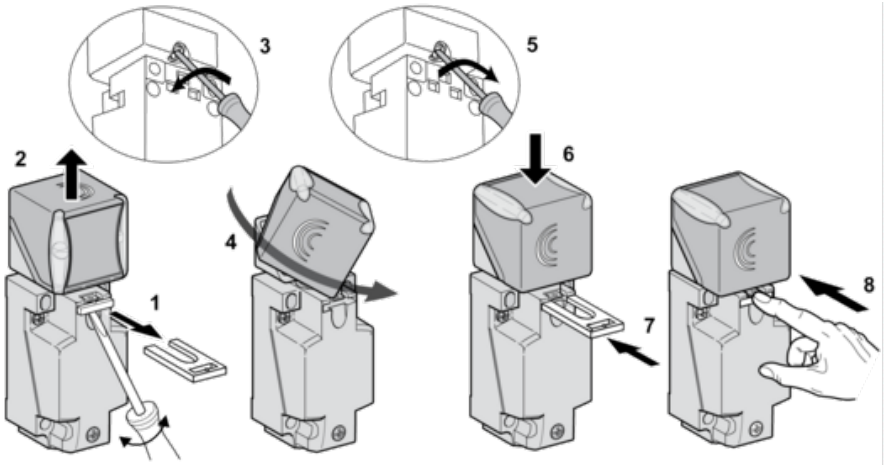
Dimensions



(1) : M20 x 1.5 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

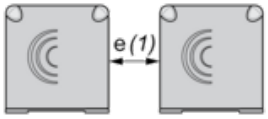
Head Positions



Setting-up Precautions

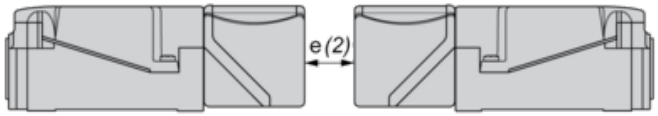
Minimum Mounting Distances (mm)

Side by Side



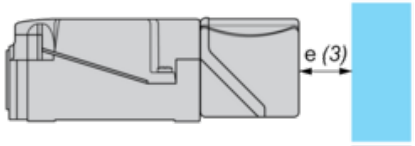
e (1) ≥ 80

Face to Face



e (2) ≥ 160

Facing a Metal Object



e (3) ≥ 60

Wiring Schemes

2-Wire AC or DC (Programmable)

