

Inductive proximity sensors XS, inductive sensor XS8 40x40x117, PBT, Sn20 mm, 24...240VAC/DC, terminals

XS8C4A1MPP20

Main

Mairi		
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	AC/DC	
Electrical Connection	Screw-clamp terminals, 4 x 1.5 mm²	
[Us] Rated Supply Voltage	24240 V AC 50/60 Hz 24240 V DC	
Switching Capacity In Ma	5200 mA DC 5300 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	РВТ
Operating Zone	016 mm
Differential Travel	315% of Sr
Repeat Accuracy	<= 3% of Sr
Cable Entry Number	1 tapped entry for M20 x 1.5 cable gland

Status Led	Supply on: 1 LED (green) Output state: 1 LED (yellow)
Supply Voltage Limits	20264 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	40 mm
Length	40 mm
Width	117 mm
Net Weight	0.244 kg

Environment

Product Certifications	CSA CCC 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

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	234.000 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	14
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	3.626 kg

Contractual warranty

Warranty	18 months

Sustainability

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >



RoHS/REACh

Well-being performance



Mercury Free



Rohs Exemption Information

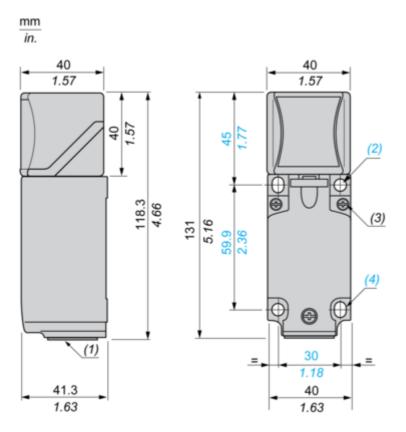
Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Circularity Profile	No need of specific recycling operations
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 Diisodecyl 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

Dimensions Drawings

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".

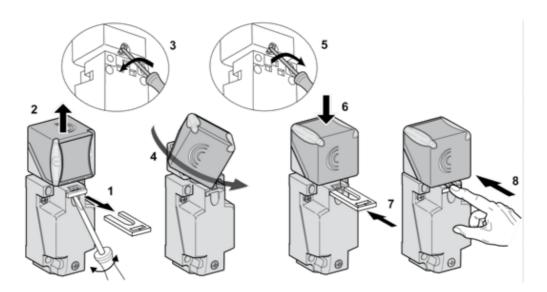
Product data sheet

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Mounting and Clearance

Mounting

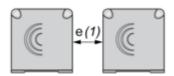
Head Positions



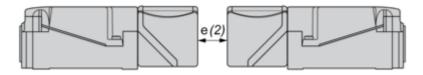
Setting-up Precautions

Minimum Mounting Distances (mm)

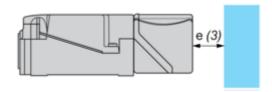
Side by Side



e (1) ≥ 80 Face to Face



e (2) ≥ 160 Facing a Metal Object



e (3) ≥ 60

Product data sheet

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Connections and Schema

Wiring Schemes

2-Wire AC or DC (Programmable)

