Product data sheet Characteristics

XS8C4A1NCP20

inductive sensor XS8 40x40x117 - PBT - Sn20 mm - 12..48VDC - 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

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 M20 x 1.5 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
Marking	CE
Height	40 mm
Length	40 mm
Width	117 mm
Net weight	0.244 kg

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Environment

Product certifications	CCC
	E2
	CSA
	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 EN 60068-2-27

Packing Units

Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Height	14.5 cm	
Package 1 Width	5.0 cm	
Package 1 Length	5.0 cm	
Package 1 Weight	244.0 g	

Offer Sustainability

REACh Declaration
Pro-active compliance (Product out of EU RoHS legal scope)
Yes
₫Yes
Product Environmental Profile

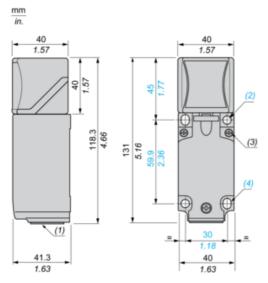
Contractual warranty

Contraction Warranty	
Warranty	18 months

Product data sheet Dimensions Drawings

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Dimensions

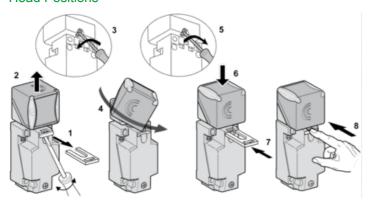


- (1): M20 x 1.5 cable gland.
- (2) : 2 holes Ø 5,45 mm / Ø 0.21 in. Tightening torque: < 1,5 Nm / < 13.3 lb-in.
- (3) : 3 screws M3,5. Tightening torque: < 1,2 Nm / < 10.6 lb-in.
- (4) : 2 alongated holes 5,4 x 7,4 mm / 0.21 x 0.29 in. Tightening torque: < 1,5 Nm / < 13.3 lb-in".

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Mounting

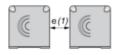
Head Positions



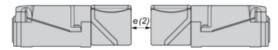
Setting-up Precautions

Minimum Mounting Distances (mm)

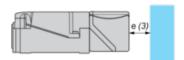
Side by Side



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

