

XS8C4A4NCP20

inductive sensor XS8 40x40x117 - PBT - Sn40 mm - 12..48VDC - terminals



Main

Range of product	OsiSense 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	Non flush mountable
Material	Plastic
Enclosure material	PBT
Type of output signal	Discrete
Wiring technique	4-wire
[Sn] nominal sensing distance	40 mm
Discrete output function	1 NO + 1 NC
Output circuit type	DC
Discrete output type	NPN
Electrical connection	Screw-clamp terminals, clamping capacity: 4 x 1.5 mm ²
[Us] rated supply voltage	12...48 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA with overload and short-circuit protection
IP degree of protection	IP65 conforming to IEC 60529 IP67 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 M20 x 1.5 cable gland
Status LED	1 LED green for supply on 1 LED yellow for output state
Supply voltage limits	10...58 V DC
Switching frequency	<= 200 Hz
Voltage drop	<= 2 V at closed state
Current consumption	0...15 mA at no-load
Delay first up	<= 7.5 ms
Delay response	<= 1.4 ms
Delay recovery	<= 2.5 ms
Marking	CE
Height	40 mm
Length	40 mm
Width	117 mm

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Product weight 0.244 kg

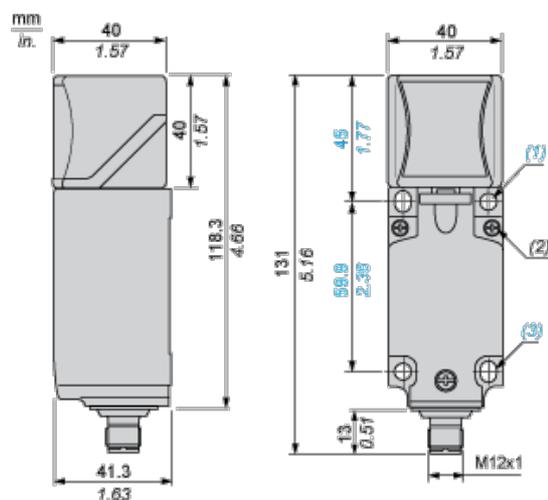
Environment

product certifications	CCC CSA UL E2
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

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1213 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations

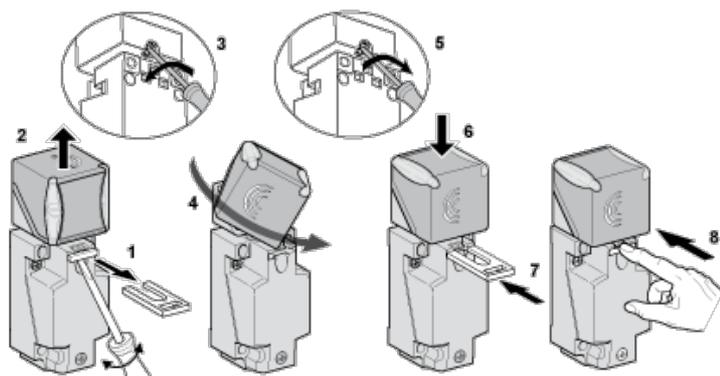
Dimensions



- (1) 2 holes \varnothing 5,45 mm / \varnothing 0.21 in. (Tightening torque: < 1,5 Nm / < 13.3 lb-in.)
- (2) 3 screws M3,5. (Tightening torque: < 1,2 Nm / < 10.6 lb-in.)
- (3) 2 elongated holes 5,4 x 7,4 mm / 0.21 x 0.29 in. (Tightening torque: < 1,5 Nm / < 13.3 lb-in.)

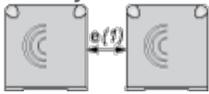
Mounting

Head Positions



Setting-up Precautions

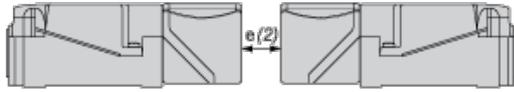
Side by Side



e (1) 160

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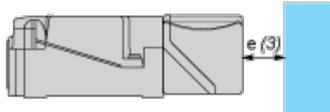
Face to Face



e (2) 320

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Facing a Metal Object



e (3) 120

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Wiring Schemes

4-Wire DC

