

Product data sheet Characteristics

XS8C4A4NCP20

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





Main

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 Material Plastic Enclosure material PBT Type of output signal Discrete Wiring technique 4-wire [Sn] nominal sensing distance Discrete output function 1 NO + 1 NC Output circuit type DC Discrete output type NPN Electrical connection Screw-clamp terminals, 4 x 1.5 mm² [Us] rated supply voltage Switching capacity in mA IP degree of protection IP67 conforming to IEC 60529 IP65 conforming to DIN 40050	Range of product	Telemecanique Inductive proximity sensors XS
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 Material Plastic Enclosure material PBT Type of output signal Discrete Wiring technique 4-wire [Sn] nominal sensing distance Discrete output function 1 NO + 1 NC Output circuit type DC Discrete output type NPN Electrical connection Screw-clamp terminals, 4 x 1.5 mm² [Us] rated supply voltage Switching capacity in mA IP degree of protection IP67 conforming to IEC 60529 IP65 conforming to IEC 60529 IP65 conforming to IEC 60529	Series name	General purpose
Sensor name XS8 Sensor design Form 40 x 40 x 117 Size 1117 mm Body type Fixed Detector flush mounting acceptance Material Plastic Enclosure material PBT Type of output signal Discrete Wiring technique 4-wire [Sn] nominal sensing distance Discrete output function 1 NO + 1 NC Output circuit type DC Discrete output type NPN Electrical connection Screw-clamp terminals, 4 x 1.5 mm² [Us] rated supply voltage Switching capacity in mA IP degree of protection IP67 conforming to IEC 60529 IP65 conforming to IEC 60529 IP65 conforming to IEC 60529	Sensor type	Inductive proximity sensor
Sensor design Form 40 x 40 x 117 Size 117 mm Body type Fixed Detector flush mounting acceptance Material Plastic Enclosure material PBT Type of output signal Discrete Wiring technique [Sn] nominal sensing distance Discrete output function Output circuit type DC Discrete output type NPN Electrical connection Screw-clamp terminals, 4 x 1.5 mm² [Us] rated supply voltage Switching capacity in mA IP degree of protection IP67 conforming to IEC 60529 IP65 conforming to IEC 60529 IP65 conforming to IEC 60529	Device application	Mobile equipment
Size 117 mm Body type Fixed Detector flush mounting acceptance Material Plastic Enclosure material PBT Type of output signal Discrete Wiring technique 4-wire [Sn] nominal sensing distance Discrete output function 1 NO + 1 NC Output circuit type DC Discrete output type NPN Electrical connection Screw-clamp terminals, 4 x 1.5 mm² [Us] rated supply voltage Switching capacity in mA IP degree of protection IP67 conforming to IEC 60529 IP65 conforming to IEC 60529 IP65 conforming to IEC 60529	Sensor name	XS8
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Detector flush mounting acceptance Material Plastic Enclosure material PBT Type of output signal Discrete Wiring technique 4-wire [Sn] nominal sensing distance Discrete output function 1 NO + 1 NC Output circuit type DC Discrete output type NPN Electrical connection Screw-clamp terminals, 4 x 1.5 mm² [Us] rated supply voltage Switching capacity in mA IP degree of protection IP67 conforming to IEC 60529 IP65 conforming to IEC 60529 IP65 conforming to IEC 60529	Size	117 mm
acceptance Material Plastic Enclosure material PBT Type of output signal Discrete Wiring technique 4-wire [Sn] nominal sensing distance Discrete output function 1 NO + 1 NC Output circuit type DC Discrete output type NPN Electrical connection Screw-clamp terminals, 4 x 1.5 mm² [Us] rated supply voltage Switching capacity in mA IP degree of protection IP67 conforming to IEC 60529 IP65 conforming to IEC 60529	Body type	Fixed
Enclosure material PBT Type of output signal Discrete Wiring technique 4-wire [Sn] nominal sensing distance Discrete output function 1 NO + 1 NC Output circuit type DC Discrete output type NPN Electrical connection Screw-clamp terminals, 4 x 1.5 mm² [Us] rated supply voltage Switching capacity in mA IP degree of protection IP67 conforming to IEC 60529 IP65 conforming to IEC 60529	•	Non flush mountable
Type of output signal Wiring technique 4-wire [Sn] nominal sensing distance Discrete output function Output circuit type DC Discrete output type NPN Electrical connection Screw-clamp terminals, 4 x 1.5 mm² [Us] rated supply voltage Switching capacity in mA IP degree of protection Discrete 40 mm 1 NO + 1 NC Output circuit type DC NPN Screw-clamp terminals, 4 x 1.5 mm² 1248 V DC with reverse polarity protection voltage Switching capacity in mA IP67 conforming to IEC 60529 IP65 conforming to IEC 60529	Material	Plastic
Wiring technique 4-wire [Sn] nominal sensing distance Discrete output function 1 NO + 1 NC Output circuit type DC Discrete output type NPN Electrical connection Screw-clamp terminals, 4 x 1.5 mm² [Us] rated supply voltage Switching capacity in mA IP degree of protection IP67 conforming to IEC 60529 IP65 conforming to IEC 60529	Enclosure material	PBT
[Sn] nominal sensing distance Discrete output function 1 NO + 1 NC Output circuit type DC Discrete output type NPN Electrical connection Screw-clamp terminals, 4 x 1.5 mm² [Us] rated supply voltage 1248 V DC with reverse polarity protection voltage Switching capacity in mA IP degree of protection IP67 conforming to IEC 60529 IP65 conforming to IEC 60529	Type of output signal	Discrete
Discrete output function 1 NO + 1 NC Output circuit type DC Discrete output type NPN Electrical connection Screw-clamp terminals, 4 x 1.5 mm² [Us] rated supply 1248 V DC with reverse polarity protection voltage Switching capacity in mA IP degree of protection IP67 conforming to IEC 60529 IP65 conforming to IEC 60529	Wiring technique	4-wire
Output circuit type DC Discrete output type NPN Electrical connection Screw-clamp terminals, 4 x 1.5 mm² [Us] rated supply voltage 1248 V DC with reverse polarity protection voltage Switching capacity in mA IP degree of protection IP67 conforming to IEC 60529 IP65 conforming to IEC 60529		40 mm
Discrete output type NPN Electrical connection Screw-clamp terminals, 4 x 1.5 mm² [Us] rated supply voltage Switching capacity in mA IP degree of protection IP67 conforming to IEC 60529 IP65 conforming to IEC 60529	Discrete output function	1 NO + 1 NC
Electrical connection [Us] rated supply voltage Switching capacity in mA IP degree of protection Screw-clamp terminals, 4 x 1.5 mm² 1248 V DC with reverse polarity protection <= 200 mA with overload and short-circuit protection IP67 conforming to IEC 60529 IP65 conforming to IEC 60529	Output circuit type	DC
[Us] rated supply voltage 1248 V DC with reverse polarity protection voltage Switching capacity in mA IP degree of protection IP67 conforming to IEC 60529 IP65 conforming to IEC 60529	Discrete output type	NPN
voltage Switching capacity in mA IP degree of protection IP67 conforming to IEC 60529 IP65 conforming to IEC 60529	Electrical connection	Screw-clamp terminals, 4 x 1.5 mm ²
IP degree of protection IP67 conforming to IEC 60529 IP65 conforming to IEC 60529		1248 V DC with reverse polarity protection
IP65 conforming to IEC 60529	. ,	<= 200 mA with overload and short-circuit protection
	IP degree of protection	IP65 conforming to IEC 60529

Complementary

Detection face	5 positions turret head
Front material	PBT
Operating zone	032 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	<= 200 Hz
Maximum voltage drop	<2 V (closed)
Current consumption	015 mA no-load
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	CSA[RETURN]E2[RETURN]CCC[RETURN]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	5.0 cm	
Package 1 Width	5.0 cm	
Package 1 Length	14.5 cm	
Package 1 Weight	244.0 g	

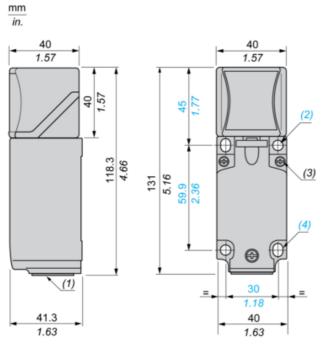
Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	☑ REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
RoHS exemption information	₽¥Yes
Circularity Profile	No need of specific recycling operations

Contractual warranty

Warranty	18 months
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Dimensions

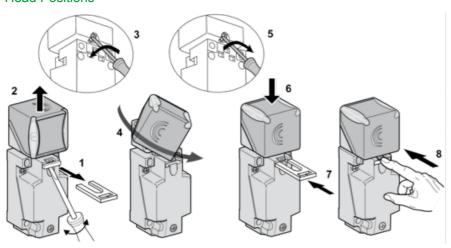


- (1): M20 x 1.5 cable gland.
- (2) : 2 holes Ø 5,45 mm / Ø 0.21 in. Tightening torque: < 1,5 Nm / < 13.3 lb-in.
- (3) : 3 screws M3,5. Tightening torque: < 1,2 Nm / < 10.6 lb-in.
- (4) : 2 alongated holes 5,4 x 7,4 mm / 0.21 x 0.29 in. Tightening torque: < 1,5 Nm / < 13.3 lb-in".

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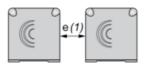
Mounting

Head Positions

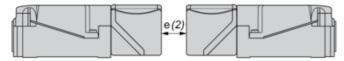


Setting-up Precautions

Side by Side

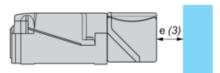


e (1) ≥ 160 Face to Face



e (2) ≥ 320

Facing a Metal Object



e (3) ≥ 120

Product data sheet Connections and Schema

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Wiring Schemes

4-Wire DC

