

XS8C4A1PCM12

inductive sensor XS8 40x40x117 - PBT - Sn20
mm - 12..48VDC - M12



Product availability: Non-Stock - Not normally stocked in distribution facility



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	Flush mountable
Material	Plastic
Enclosure material	PBT
Type of output signal	Discrete
Wiring technique	4-wire
[Sn] nominal sensing distance	0.79 in (20 mm)
Discrete output function	1 NO + 1 NC
Output circuit type	DC
Discrete output type	PNP
Electrical connection	4 pins M12 male connector
[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

Safety level	SILCL 2 conforming to IEC 62061 PL = d conforming to EN/ISO 13849-1 SIL 2 conforming to EN/IEC 61508
Safety reliability data	SFF = 92 % DC = 75 % with appropriate safety controller MTTFd = 1546 years PFHd = 7.4E-8 1/h
Detection face	5 positions turret head
Front material	PBT
Operating zone	0...0.63 in (0...16 mm)
Differential travel	3...15% of Sr
Repeat accuracy	<= 3% of Sr
Status LED	1 LED green supply on 1 LED yellow output state
Supply voltage limits	10...58 V DC
Switching frequency	<= 300 Hz
Voltage drop	<= 2 V at closed state
Current consumption	0...15 mA at no-load
Delay first up	<= 7.5 ms
Delay response	<= 1.2 ms

Delay recovery	<= 1.8 ms
Marking	CE
Height	1.57 in (40 mm)
Length	1.57 in (40 mm)
Width	5.08 in (129 mm)
Product weight	0.54 lb(US) (0.244 kg)

Environment

Product certifications	E2 CSA CCC TÜV 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 amplitude = +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn 11 ms conforming to EN 60068-2-27

Ordering and shipping details

Category	22486 - SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	003389119058247
Nbr. of units in pkg.	1
Package weight(Lbs)	0.5899999999999997
Returnability	N
Country of origin	FR

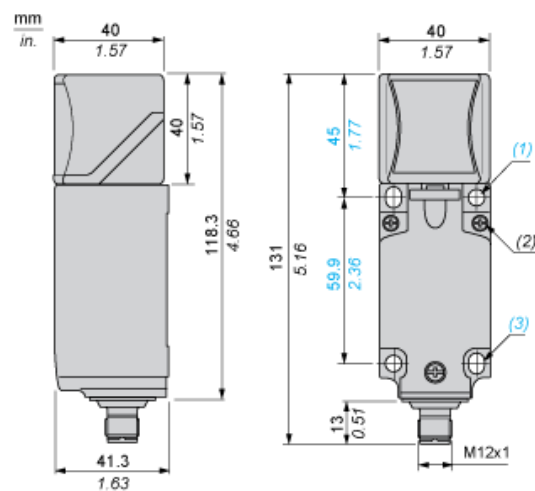
Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1213 - Schneider Electric declaration of conformity  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
California proposition 65	WARNING: This product can expose you to chemicals including:
- - - - - Substance 1	Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and
- - - - - Substance 2	Diisodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
- - - - - More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months
-----------------	-----------

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

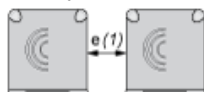
Head Positions



Setting-up Precautions

Minimum Mounting Distances (mm)

Side by Side



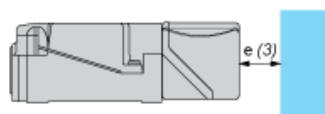
e (1) 80
≥

Face to Face



e (2) 160
≥

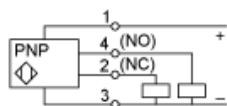
Facing a Metal Object



e (3) 60
≥

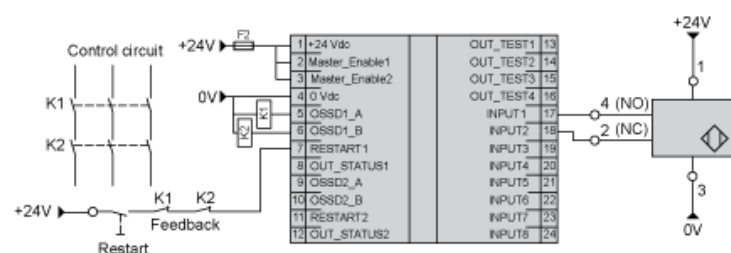
Wiring Schemes

4-Wire DC



SIL 2 Wiring Scheme

With Preventa XPSMF40 Safety PLC



SFF : (Safe Failure Fraction): 92,68 %

DC : (Diagnosis Coverage): 75,8 %

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Schneider Electric:](#)

[XS8C4A1PCM12](#)