

Product Datasheet

Characteristic

XS8C4A1PCN12

inductive sensor XS8 40x40x117 - PBT - Sn20 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	4.61 in (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	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	IP67 conforming to IEC 60529 IP65 conforming to IEC 60529 IP69K conforming to DIN 40050

Complementary

safety level	SIL 2 conforming to EN/IEC 61508 PL = d conforming to EN/ISO 13849-1 SILCL 2 conforming to IEC 62061
safety reliability data	MTTFd = 1546 years PFHd = 7.4E-8 1/h SFF = 92 % DC = 75 % with appropriate safety controller
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
cable entry number	1 tapped entry 1/2" NPT cable gland
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 mAat 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	4.61 in (117 mm)
product weight	0.54 lb(US) (0.244 kg)

Environment

product certifications	CCC CSA TÜV UL E2
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

Offer Sustainability

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

Contractual warranty

Warranty period	18 months
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