

Product Datasheet

Characteristic

XS8C2A4PCM12

inductive sensor XS8 40x40x70 - PBT -
Sn40 mm - 12..48VDC - M12



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 70
size	70 mm
body type	Fixed
detector flush mounting acceptance	Non flush mountable
material	Plastic
enclosure material	PBT
type of output signal	Discrete
wiring technique	3-wire
[Sn] nominal sensing distance	1.57 in (40 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...1.26 in (0...32 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	<= 500 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	1.57 in (40 mm)
length	1.57 in (40 mm)
width	2.76 in (70 mm)
product weight	0.33 lb(US) (0.149 kg)

Environment

product certifications	CSA UL CCC TÜV 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 - 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