Product Datasheet

Characteristic

XS8D1A1PAM12

inductive sensor XS8 80x80x26 - PBT - Sn60mm - 12..24VDC - M12

Green Premium™ Product

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Main

range of product	OsiSense XS
series name	General purpose
sensor type	Inductive proximity sensor
device application	-
sensor name	XS8
sensor design	Flat form 80 x 80 x 26
size	26 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) flush mountable 2.36 in (60 mm) non flush mountable
discrete output function	1 NO
output circuit type	DC
discrete output type	PNP
electrical connection	4 pins M12 male connector
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
switching capacity in mA	<= 200 mA DC with overload and short-circuit protection
IP degree of protection	IP67 double insulation conforming to IEC 60529

Complementary

detection face	Frontal
front material	PBT
fine adjustment zone	0.79...1.57 in (20...40 mm) flush mountable 0.79...2.36 in (20...60 mm) non flush mountable
differential travel	1...15% of Sr
supply voltage limits	10...36 V DC
residual current	<= 1.5 mA open state

switching frequency	<= 150 Hz
voltage drop	<= 2 V at closed state
current consumption	<= 10 mA at no-load
delay first up	<= 10 ms
delay response	<= 0.3 ms
delay recovery	<= 6 ms
marking	CE
depth	1.02 in (26 mm)
height	3.15 in (80 mm)
width	3.15 in (80 mm)
product weight	0.75 lb(US) (0.34 kg)

Environment

product certifications	CSA UL Ecolab
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 IEC 60068-2-27

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0825 - 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