

Product data sheet

Characteristics

XS7E1A1PAL10EX

inductive sensor hazardous area - 26x26x13 -
Sn 10mm - NO - cable 10m

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



Main

Range of product	OsiSense XS ATEX D
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	ATEX dust
Sensor name	XS7
Sensor design	Flat form 26 x 26 x 13
Size	13 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Plastic
Enclosure material	PBT
[Sn] nominal sensing distance	0.39 in (10 mm)
Type of output signal	Discrete
Wiring technique	3-wire
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Cable
Cable length	32.81 ft (10 m)
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Switching capacity in mA	<= 100 mA DC with overload and short-circuit protection
IP degree of protection	IP68 double insulation conforming to IEC 60529

Complementary

Detection face	Frontal
Front material	PBT
Operating zone	0...0.31 in (0...8 mm)
Differential travel	1...15% of Sr
Cable composition	3 x 0.34 mm ²
Wire insulation material	PvR
Status LED	1 LED yellow (output state)
Supply voltage limits	10...36 V DC
Residual current	<= 0.5 mA open state
Switching frequency	<= 1000 Hz
Voltage drop	<= 2 V, closed contact(s)
Current consumption	<= 10 mA, no-load
Delay first up	<= 10 ms
Delay response	<= 2 ms
Delay recovery	<= 6 ms
Marking	II2 D-Ex tb IIIC T90°C Db IP67
Depth	0.51 in (13 mm)
Height	1.57 in (40 mm)
Width	1.02 in (26 mm)

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Environment

Standards	EN/IEC 60079-0 EN/IEC 60079-31
Directives	94/9/EC - ATEX directive
Product certifications	INERIS 06ATEX0065X
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 +/- 2 mm 10...55 Hz IEC 60068-2-6
Shock resistance	50 gn 11 ms conforming to IEC 60068-2-27
Dust zone	Zone 21 - 22

Ordering and shipping details

Category	22486 - SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	003389118306660
Nbr. of units in pkg.	1
Package weight(Lbs)	0.64000000000000001
Returnability	N
Country of origin	FR

Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 0945 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
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	Diisobutyl phthalate (DINP), which is known to the State of California to cause cancer, and
----- Substance 2	Di-isodecyl 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
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