

XS8D1A1PAL10EX

inductive sensor hazardous area - 80x80x26 -
Sn 40mm - NO - cable 10m



Main

Range of product	OsiSense XS ATEX D
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	ATEX dust
Sensor name	XS8
Sensor design	Flat form 80 x 80 x 26
Size	15 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Plastic
Enclosure material	PBT
[Sn] nominal sensing distance	40 Mm flush mountable 60 mm non flush mountable
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	10 m
[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	IP68 double insulation conforming to IEC 60529

Complementary

Detection face	Frontal
Front material	PBT
Sensing range	> 15...40 mm
Fine adjustment zone	20...40 Mm flush mountable 20...60 mm non flush mountable
Differential travel	1...15% of Sr
Cable composition	3 x 0.34 mm ²
Wire insulation material	PvR
Supply voltage limits	10...36 V DC
Maximum residual current	1.5 mA open state
Switching frequency	<= 150 Hz
Maximum voltage drop	<2 V (closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	10 ms
Maximum delay response	0.3 ms
Maximum delay recovery	6 ms
Marking	II2 D-Ex tb IIIC T90°C Db IP67
Depth	26 mm
Height	103 mm
Width	80 mm

Environment

Environmental characteristic	Hazardous location
Standards	EN/IEC 60079-0 EN/IEC 60079-31
Directives	94/9/EC - ATEX directive
Product certifications	INERIS 06ATEX0065X
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C
Vibration resistance	25 gn amplitude = +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27
Dust zone	Zone 21 - 22

Packing Units

Package 1 Weight	0.599 kg
Package 1 Height	0.600 dm
Package 1 width	1.700 dm
Package 1 Length	1.600 dm

Contractual warranty

Warranty	18 months
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