Product data sheet
Characteristics

XS612B1PBL10EX
inductive sensor XS6 M12 - L53mm - brass - Sn4mm - 12..48VDC - cable 10m

Main

Range of product	OsiSense XS ATEX D
Series name	Application
Sensor type	Inductive proximity sensor
Device application	ATEX dust
Sensor name	XS6
Sensor design	Cylindrical M12
Size	53 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Enclosure material	Nickel plated brass
[Sn] nominal sensing distance	4 mm
Type of output signal	Discrete
Wiring technique	3-wire
Discrete output function	1 NC
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Cable
Cable length	10 m
[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	IP68 conforming to IEC 60529 IP69K

Complementary

Thread type	M12 x 1
Detection face	Frontal
Front material	PPS
Operating zone	0...3.2 mm
Differential travel	1...15% of Sr
Cable composition	3 x 0.34 mm²
Wire insulation material	PvR
Status LED	1 LED yellow (output state)
Supply voltage limits	10...58 V DC
Switching frequency	<= 2500 Hz
Voltage drop	<= 2 V, closed state contact(s)
Current consumption	<= 10 mA, no-load
Delay first up	<= 10 ms
Delay response	<= 0.2 ms
Delay recovery	<= 0.2 ms
Marking	II2 D-Ex tb IIIC T90°C Db IP68
Threaded length	42 mm

Height	12 mm
Length	53 mm

Environment

Standards	Directive ATEX 94/9/EC EN/IEC 60079-0 EN/IEC 60079-31
Product certifications	CCC INERIS 04ATEX0022X
Ambient air temperature for operation	-20...60 °C
Vibration resistance	25 gn +/- 2 mm 10...55 Hz IEC 60068-2-6
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27
Dust zone	Zone 21 - 22

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0945 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental
Product end of life instructions	Available Download End Of Life Manual