Product data sheet
Characteristics

XS1M18AB120EX

inductive sensor XS1 M18 - L52.5mm - brass - Sn5mm - 12..24VDC - cable 2m

Green Premium

Main

Range of product	OsiSense XS ATEX D
Series name	Application
Sensor type	Inductive proximity sensor
Device application	ATEX dust
Sensor name	XS1
Sensor design	Cylindrical M18
Size	53 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Enclosure material	Nickel plated brass
[Sn] nominal sensing distance	5 mm
Type of output signal	Analogue
Wiring technique	2-wire
Output circuit type	DC
Analogue output range	4...20 mA
Electrical connection	Cable
Cable length	2 m
[Us] rated supply voltage	12...24 V DC
IP degree of protection	IP67 conforming to IEC 60529

Complementary

Thread type	M18 x 1
Detection face	Frontal
Front material	PPS
Operating zone	0.5...5 mm
Repeat accuracy	<= 3% of Sr
Linearity error	+/- 2 mA
Cable composition	3 x 0.34 mm²
Wire insulation material	PvR
Supply voltage limits	10...38 V DC
Switching frequency	<= 500 Hz
Current consumption	4 mA, no-load
Output current drift	<= 10 %
Marking	II2 D-Ex tb IIIC T90°C Db IP67
Threaded length	44 mm
Height	18 mm
Length	53 mm

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Environment

Standards	Directive ATEX 94/9/EC EN/IEC 60079-0 EN/IEC 60079-31
Product certifications	INERIS 04ATEX0022X
Ambient air temperature for operation	-20...60 °C
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

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