

XSPN08122EX

Inductive proximity sensors XS ATEX D,
inductive sensor Namur, M18, Sn8mm, 7...12
VDC, cable 2 m



Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	Application
Sensor type	Inductive proximity sensor
Device application	ATEX dust
Sensor name	XSP
Sensor design	Cylindrical M18
Size	41 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Plastic
Enclosure material	Plastic
[Sn] nominal sensing distance	0.31 in (8 mm)
Type of output signal	Discrete
Wiring technique	2-wire
Discrete output function	1 NC
Output circuit type	DC
Discrete output type	Namur
Electrical connection	Cable
Cable length	6.56 ft (2 m)
[Us] rated supply voltage	7...12 V DC
Switching capacity in mA	<= 1 mA
IP degree of protection	IP67 conforming to IEC 60529

Complementary

Thread type	M18 x 1
Detection face	Frontal
Front material	PPS
Sensing range	> 0.16...0.31 in (> 4...8 mm)
Operating zone	0.00...0.25 in (0...6.4 mm)
Cable composition	2 x 0.34 mm ²
Wire insulation material	PvR
Status LED	Output state 1 LED red)
Maximum residual current	3 mA open state
Switching frequency	<= 300 Hz
Marking	II1 D-Ex ia IIIC T85°C Da IP66/67
Threaded length	1.14 in (29 mm)
Height	0.71 in (18 mm)
Length	1.61 in (41 mm)

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Environment

Environmental characteristic	Hazardous location
Standards	EN/IEC 60079-11 EN/IEC 60079-0
Directives	94/9/EC - ATEX directive
Product certifications	INERIS 04ATEX0016X
Ambient air temperature for operation	-4...140 °F (-20...60 °C)
Dust zone	Zone 20


Ordering and shipping details

Category	22486 - SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	03389110955699
Nbr. of units in pkg.	1
Package weight(Lbs)	0.2 lb(US) (0.09 kg)
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	5.31 in (13.5 cm)
Package 1 width	1.77 in (4.5 cm)
Package 1 Length	3.35 in (8.5 cm)

Offer Sustainability

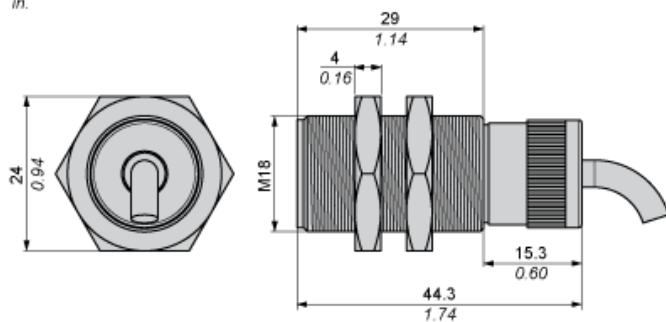
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACH Regulation	 REACH Declaration
EU RoHS Directive	Not applicable, out of EU RoHS legal scope

Contractual warranty

Warranty	18 months
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Dimensions

mm
in.



Minimum Mounting Distances

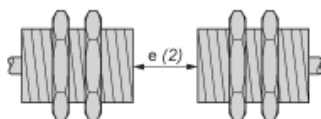
Side by side



e (1) 10 mm/0.39 in.

≥

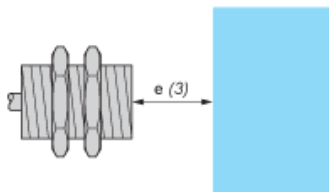
Face to face



e (2) 60 mm/2.36 in.

≥

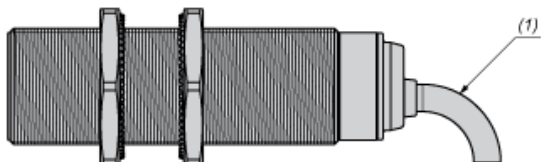
Facing a metal object



e (3) 15 mm/0.60 in

≥

Mounting



(1) Bending cable: 4 x external cable diameter

Wiring Schemes

2-Wire Non-polarised

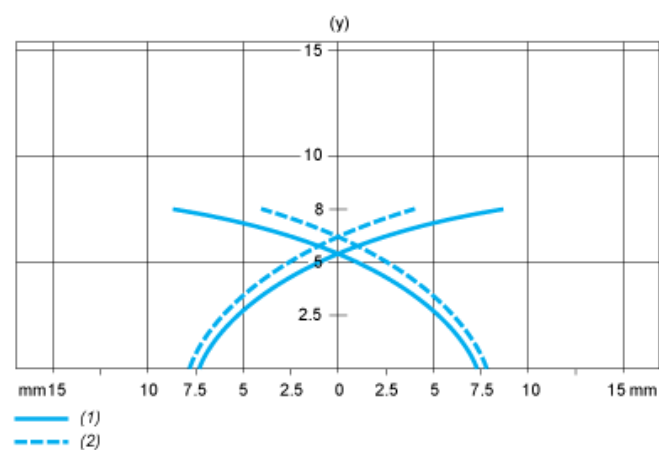
NO output



BU : Blue
BN : Brown

Performance Curves

Standard Steel Target : 24x24x1 mm



- (1) Pick-up points
(2) Drop-out points (object approaching from the side)
(y) Sensing distance in mm

Mouser Electronics

Authorized Distributor

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