XS512B1DAL2

Inductive proximity sensors XS, inductive sensor XS5 M12, L53mm, brass, Sn2mm, 12...48 VDC, cable 2 m



Main

Range of Product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor Type	Inductive proximity sensor
Device Application	-
Sensor name	XS5
Sensor design	Cylindrical M12
Size	54 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Type of output signal	Discrete
Wiring Technique	2-wire
[Sn] nominal sensing distance	0.08 in (2 mm)
Discrete output function	1 NO
Output circuit type	DC
Electrical connection	cable
Cable length	6.56 ft (2 m)
[Us] rated supply voltage	1248 V DC
Switching capacity in mA	1.5100 mA DC overload and short-circuit protection
IP degree of protection	IP68 double insulation conforming to IEC 60529 IP69K conforming to DIN 40050

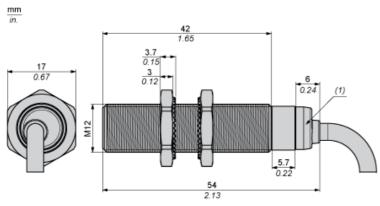
Complementary

Complementary	
Thread type	M12 x 1
Detection face	Frontal
Front material	PPS
Enclosure Material	Nickel Plated Brass
Operating zone	0.000.06 in (01.6 mm)
Differential travel	115% of Sr
Cable composition	2 x 0.34 mm ²
Wire insulation material	PvR
Status LED	Output state 1 LED yellow)
Supply voltage limits	1058 V DC
Maximum residual current	0.5 mA open state
Switching frequency	<= 4000 Hz
Maximum voltage drop	<4 V closed)
Maximum delay first up	10 ms
Maximum delay response	0.2 ms
Maximum delay recovery	0.2 ms
Marking	CE
Threaded length	1.65 in (42 mm)
Height	0.47 in (12 mm)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not inherent or and is not to be used for determining suitability or inhability of these products for specific user applications. It is the dourn aren in integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Length	2.09 in (53 mm)
Net Weight	0.17 lb(US) (0.075 kg)
Not Weight	0.17 Ib(00) (0.070 kg)
Environment	
Product Certifications	CSA
	UL
	CCC
Ambient air temperature for operation	-13158 °F (-2570 °C)
Ambient Air Temperature for Storage	-40185 °F (-4085 °C)
Vibration resistance	25 gn +/- 2 mm 1055 Hz)IEC 60068-2-6
Shock resistance	50 gn 11 ms IEC 60068-2-27
Ordering and chinning details	
Ordering and shipping details	22406 CENCODE DDOVIMITY
Category Discount Schodule	22486 - SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	3389110144178
Nbr. of units in pkg.	1
Package weight(Lbs)	3.21 oz (91 g)
Returnability	Yes
Country of origin	ID
Dealing Heite	
Packing Units	DOE
Unit Type of Package 1	PCE
Package 1 Height	1.77 in (4.5 cm)
Package 1 width	3.86 in (9.8 cm)
Package 1 Length	5.31 in (13.5 cm)
Unit Type of Package 2	S03
Number of Units in Package 2	44
Package 2 Weight	8.77 lb(US) (3.977 kg)
Package 2 Height	11.81 in (30 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
0.5	
Offer Sustainability	Caraca Brancium acadust
Sustainable offer status	Green Premium product
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	Pro-active compliance (Product out of EU RoHS legal scope) EVEN RoHS
Mercury free	Yes
RoHS exemption information	€Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
Contractual warranty	40 months
Warranty	18 months

Dimensions

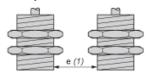


Product data sheet Mounting and Clearance

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Minimum Mounting Distances

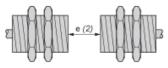
Side by side



e (1) 4 mm/0.16 in.

2

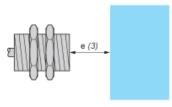
Face to face



e (2) 24 mm/0.94 in.

≥

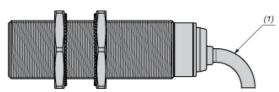
Facing a metal object



e (3) 6 mm/0.24 in.

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Mounting



(1) Bending cable: 4 x external cable diameter

Product data sheet Connections and Schema

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Wiring Schemes

2-Wire Non-polarised

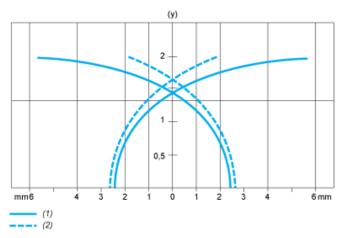
NO output



BU: Blue BN: Brown

Performance Curves

Standard Steel Target: 12x12x1 mm



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