Product data sheet Characteristics

XS612B1DAL2

inductive sensor XS6 M12 - L54mm - brass - Sn4mm - 12..48VDC - cable 2m





Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Sensor name	XS6
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	0.16 in (4 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 reverse polarity protection
Switching capacity in mA	<= 100 mA DC overload and short-circuit protection
IP degree of protection	IP68 double insulation IEC 60529 IP69K DIN 40050

Complementary

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Thread type	M12 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Nickel Plated Brass
Sensing range	> 0.10.16 in (> 2.54 mm)
Operating zone	0.000.13 in (03.2 mm)
Differential travel	115% of Sr
Cable composition	2 x 0.34 mm²
Wire insulation material	PvR
Status LED	Output state 1 LED yellow)
Supply voltage limits	1058 V DC
Switching frequency	<= 2000 Hz DC
Maximum voltage drop	<4 V closed)
Maximum delay first up	10 ms
Maximum delay response	0.3 ms
Maximum delay recovery	0.3 ms
Marking	CE
Threaded length	1.65 in (42 mm)
Length	2.13 in (54 mm)
Net Weight	0.40 lb(US) (0.18 kg)

Environment

Product certifications	UL CSA
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 shipping details

Category	22486 - SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	03389119045735
Nbr. of units in pkg.	1
Package weight(Lbs)	0.21 lb(US) (0.10 kg)
Returnability	No
Country of origin	FR

Packing Units

r doking office	
Unit Type of Package 1	PCE
Package 1 Height	1.61 in (4.1 cm)
Package 1 width	3.70 in (9.4 cm)
Package 1 Length	5.12 in (13 cm)
Unit Type of Package 2	BAG
Number of Units in Package 2	1
Package 2 Weight	3.28 oz (93 g)
Package 2 Height	0.79 in (2 cm)
Package 2 width	7.87 in (20 cm)
Package 2 Length	5.91 in (15 cm)
Unit Type of Package 3	S02
Number of Units in Package 3	22
Package 3 Weight	4.36 lb(US) (1.976 kg)
Package 3 Height	5.91 in (15 cm)
Package 3 width	11.81 in (30 cm)
Package 3 Length	15.75 in (40 cm)

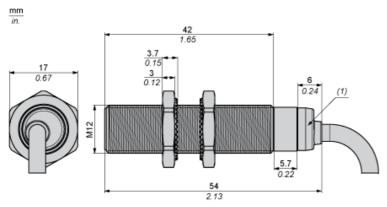
Offer Sustainability

Green Premium product
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 Declaration
Pro-active compliance (Product out of EU RoHS legal scope) EPEU RoHS Declaration
Yes
€Yes
Product Environmental Profile
☑ End Of Life Information

Contractual warranty

Warranty	18 months

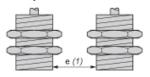
Dimensions



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Minimum Mounting Distances

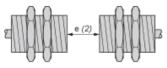
Side by side



e (1) 8 mm/0.31 in.

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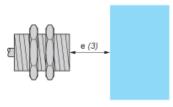
Face to face



e (2) 48 mm/1.89 in.

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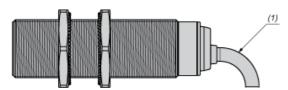
Facing a metal object



e (3) 12 mm/0.47 in.

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Mounting



(1) Bending cable: 4 x external cable diameter

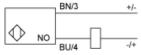
Product data sheet Connections and Schema

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Wiring Schemes

2-Wire Non-polarised

NO output



BU: Blue BN: Brown