XS612B1DBL2

Inductive proximity sensors XS, inductive sensor XS6 M12, L54mm, brass, Sn4mm, 12...48 VDC, cable 2 m





Main

Range of Product	Telemecanique Inductive proximity sensors 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 NC
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 conforming to IEC 60529 IP69K conforming to DIN 40050

Complementary

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)	Thread type	M12 x 1
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 44 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	Detection face	Frontal
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	Front material	PPS
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	Enclosure Material	Nickel Plated Brass
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	Sensing range	> 0.10.16 in (> 2.54 mm)
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 2 x 0.34 mm² Output state 1 LED yellow) Output state 1 LED yellow Output sta	Operating zone	0.000.13 in (03.2 mm)
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)	Differential travel	115% of Sr
Status LED Supply voltage limits 1058 V DC Switching frequency <= 2000 Hz DC Maximum voltage drop 44 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)	Cable composition	2 x 0.34 mm²
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)	Wire insulation material	PvR
Switching frequency <= 2000 Hz DC	Status LED	Output state 1 LED yellow)
Maximum voltage drop <4 V closed)	Supply voltage limits	1058 V DC
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)	Switching frequency	<= 2000 Hz DC
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)	Maximum voltage drop	<4 V closed)
Maximum delay recovery 0.3 ms Marking CE Threaded length 1.65 in (42 mm) Length 2.13 in (54 mm)	Maximum delay first up	10 ms
Marking CE Threaded length 1.65 in (42 mm) Length 2.13 in (54 mm)	Maximum delay response	0.3 ms
Threaded length 1.65 in (42 mm) Length 2.13 in (54 mm)	Maximum delay recovery	0.3 ms
Length 2.13 in (54 mm)	Marking	CE
	Threaded length	1.65 in (42 mm)
Net Weight 0.17 lb(US) (0.075 kg)	Length	2.13 in (54 mm)
	Net Weight	0.17 lb(US) (0.075 kg)

Environment

Product Certifications	CSA UL
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	3389119045766
Nbr. of units in pkg.	1
Package weight(Lbs)	2.61 oz (74.0 g)
Returnability	No
Country of origin	FR

Packing Units

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)	

Offer Sustainability

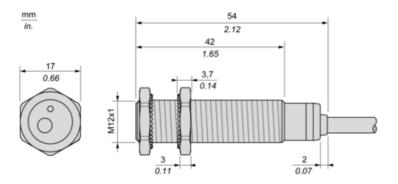
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to 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) EV RoHS Declaration
Mercury free	Yes
RoHS exemption information	₫Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	☐ End Of Life Information

Contractual warranty

Warranty	18 months

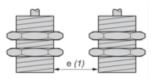
XS612B1DBL2

Dimensions



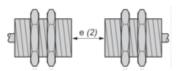
Minimum Mounting Distances

Side by side

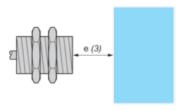


e (1) ≥ 8 mm/0.31 in.

Face to face

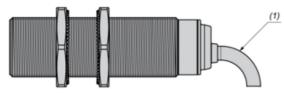


e (2) ≥ 48 mm/1.89 in. Facing a metal object



e (3) \geq 12 mm/0.47 in.

Mounting



(1) Bending cable: 4 x external cable diameter

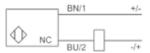
Product data sheet Connections and Schema

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Wiring Schemes

2-Wire Non-polarised

NC output



BU : Blue BN : Brown