XS612B1PBL5

Inductive proximity sensors XS, inductive sensor XS6 M12, L54mm, brass, Sn4mm, 12...48 VDC, cable 5 m





Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	Mobile equipment
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	3-wire
[Sn] nominal sensing distance	0.16 in (4 mm)
Discrete output function	1 NC
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Cable
Cable length	16.40 ft (5 m)
[Us] rated supply voltage	1248 V DC reverse polarity protection
Switching capacity in mA	<= 200 mA DC overload and short-circuit protection
IP degree of protection	IP68 double insulation conforming to IEC 60529 IP69K conforming to DIN 40050

Complementary

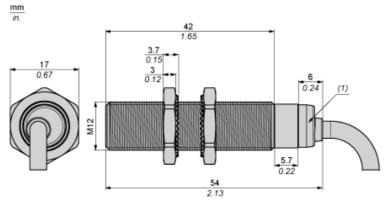
Complementary	
Thread type	M12 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Nickel Plated Brass
Sensing range	> 0.10.16 in (> 2.54 mm)
Operating zone	0.000.13 in (03.2 mm)
Differential travel	115% of Sr
Cable composition	3 x 0.34 mm²
Wire insulation material	PvR
Status LED	Output state 1 LED yellow)
Supply voltage limits	1058 V DC
Switching frequency	<= 2500 Hz
Maximum voltage drop	<2 V closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	10 ms
Maximum delay response	0.2 ms
Maximum delay recovery	0.2 ms
Marking	CE

Threaded length		
Net Weight Description Environment Product certifications UL ES CSA Ambient air temperature for operation Ambient air temperature for storage 40185 °F (-2570 °C) Ambient air temperature for storage 40185 °F (-2085 °C) Withration resistance 25 gn +/- 2 mm 1055 Hz)IEC 60068-2-8 Shock resistance 50 gn 11 ms IEC 60068-2-27 Ordering and shipping details Category 22486 - SENSORS, PROXIMITY Discount Schedule DS2 GTIN 00785901399988 Nbr. of units in pkg. 1 Package weight(Lbs) 0.33 lb(US) (0.15 kg) Returnability No Country of origin FR Package weight(Lbs) Package 1 Height 1.77 in (4.5 cm) Package 1 Height 1.77 in (4.5 cm) Package 1 Height 4.92 in (12.5 cm) Offer Sustainability Sustainable offer status Green Premium product California proposition 65 WARNING: This product can expose you to chemicals including: Diisonoryl phthalate (DIPF), which is known to the State of California to cause accore, and Oi-sodeeyl phthalate (DIPF), which is known to the State of California to cause accore, and Oi-sodeeyl phthalate (DIPF), which is known to the State of California to cause accore, and Oi-sodeeyl phthalate (DIPF), which is known to the State of California to cause accore, and Oi-sodeeyl phthalate (DIPF), which is known to the State of California to cause accore, and Oi-sodeeyl phthalate (DIPF), which is known to the State of California to cause accore, and Oi-sodeeyl phthalate (DIPF), which is known to the State of California to cause accore, and Oi-sodeeyl phthalate (DIPF), which is known to the State of California to cause accore, and Oi-sodeeyl phthalate (DIPF), which is known to the State of California to cause accore, and Oi-sodeeyl phthalate (DIPF), which is known to the State of California to cause accore, and Oi-sodeeyl phthalate (DIPF), which is known to the State of California to cause accore, and Oi-sodeeyl phthalate (DIPF) which is known to the State of California to cause accore, and Oi-sodeeyl phthalate (DIPF) which is known to the State of California to cause	Threaded length	1.65 in (42 mm)
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RoHS exemption information Environmental Disclosure Product Environmental Profile	EU RoHS Directive	
RoHS exemption information Fives Environmental Disclosure Froduct Environmental Profile	Mercury free	Yes
Product Environmental Profile		ĕ Yes
Circularity Profile	Environmental Disclosure	Product Environmental Profile
	Circularity Profile	End Of Life Information

Contractual warranty

Warranty	18 months	

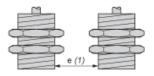
Dimensions



XS612B1PBL5

Minimum Mounting Distances

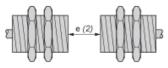
Side by side



e (1) 8 mm/0.31 in.

≥

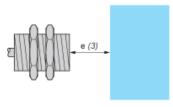
Face to face



e (2) 48 mm/1.89 in.

≥

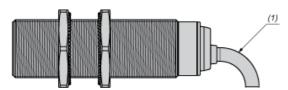
Facing a metal object



e (3) 12 mm/0.47 in.

≥

Mounting

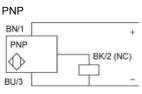


(1) Bending cable: 4 x external cable diameter

Product data sheet Connections and Schema

XS612B1PBL5

Wiring Schemes



BU : Blue BN : Brown BK : Black