XS612B1PAL2

inductive sensor XS6 M12 - L53mm - brass - Sn4mm - 12..48VDC - cable 2m





Main

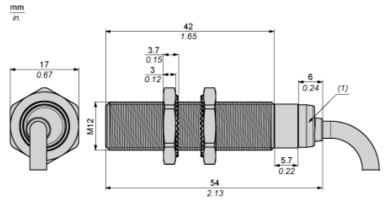
Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	Mobile equipment
Sensor name	XS6
Sensor design	Cylindrical M12
Size	53 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	4 mm
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Cable
Cable length	2 m
[Us] rated supply voltage	1248 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA DC with overload and short-circuit protection
IP degree of protection	IP68 double insulation conforming to IEC 60529 IP69K conforming to DIN 40050

Complementary

Thread type M12 x 1 Detection face Frontal Front material PPS Enclosure material Nickel plated brass Operating zone 03.2 mm Differential travel 115% of Sr Cable composition 3 x 0.34 mm² Wire insulation material PVR Status LED 1 LED (yellow) for output state Supply voltage limits 1058 V DC Switching frequency <= 2500 Hz Voltage drop <= 2 V, closed state Current consumption <= 10 mA (no-load) Delay first up <= 10 ms Delay response <= 0.2 ms Marking CE Threaded length	Complementary	
Front material PPS Enclosure material Nickel plated brass Operating zone 03.2 mm Differential travel 115% of Sr Cable composition 3 x 0.34 mm² Wire insulation material PvR Status LED 1 LED (yellow) for output state Supply voltage limits 1058 V DC Switching frequency <= 2500 Hz Voltage drop <= 2 V, closed state Current consumption <= 10 mA (no-load) Delay first up <= 10 ms Delay response <= 0.2 ms Marking CE	Thread type	M12 x 1
Enclosure material Nickel plated brass Operating zone 03.2 mm Differential travel 115% of Sr Cable composition 3 x 0.34 mm² Wire insulation material PvR Status LED 1 LED (yellow) for output state Supply voltage limits 1058 V DC Switching frequency <= 2500 Hz Voltage drop <= 2 V, closed state Current consumption Current consumption Selay first up Delay response <= 0.2 ms Delay recovery Marking CE	Detection face	Frontal
Operating zone03.2 mmDifferential travel115% of SrCable composition3 x 0.34 mm²Wire insulation materialPvRStatus LED1 LED (yellow) for output stateSupply voltage limits1058 V DCSwitching frequency<= 2500 Hz	Front material	PPS
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Cable composition3 x 0.34 mm²Wire insulation materialPvRStatus LED1 LED (yellow) for output stateSupply voltage limits1058 V DCSwitching frequency<= 2500 Hz	Operating zone	03.2 mm
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Supply voltage limits 1058 V DC Switching frequency <= 2500 Hz Voltage drop <= 2 V, closed state Current consumption = 10 mA (no-load) Delay first up = 10 ms Delay response = 0.2 ms Delay recovery <= 0.2 ms Marking CE	Wire insulation material	PvR
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Voltage drop <= 2 V, closed state Current consumption <= 10 mA (no-load) Delay first up <= 10 ms Delay response <= 0.2 ms Delay recovery <= 0.2 ms Marking CE	Supply voltage limits	1058 V DC
Current consumption <= 10 mA (no-load) Delay first up <= 10 ms Delay response <= 0.2 ms Delay recovery <= 0.2 ms Marking CE	Switching frequency	<= 2500 Hz
Delay first up <= 10 ms Delay response <= 0.2 ms Delay recovery <= 0.2 ms Marking CE	Voltage drop	<= 2 V, closed state
Delay response <= 0.2 ms Delay recovery <= 0.2 ms Marking CE	Current consumption	<= 10 mA (no-load)
Delay recovery <= 0.2 ms Marking CE	Delay first up	<= 10 ms
Marking CE	Delay response	<= 0.2 ms
	Delay recovery	<= 0.2 ms
Threaded length 42 mm	Marking	CE
Harman Ha	Threaded length	42 mm

Length	53 mm
Product weight	0.075 kg
Environment	
Product certifications	CSA
Troduct continuations	UL
	E2
Ambient air temperature for operation	-2570 °C
Ambient air temperature for storage	-4085 °C
Vibration resistance	25 gn, amplitude: +/- 2 mm (f = 1055 Hz) conforming to IEC 60068-2-0
Shock resistance	50 gn (duration = 11 ms) conforming to IEC 60068-2-27
Offer Sustainability	
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0808 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental
Product end of life instructions	Available 🔁 Download End Of Life Manual

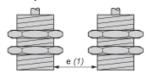
Dimensions



XS612B1PAL2

Minimum Mounting Distances

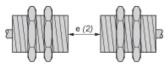
Side by side



e (1) 8 mm/0.31 in.

2

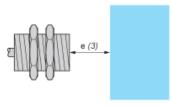
Face to face



e (2) 48 mm/1.89 in.

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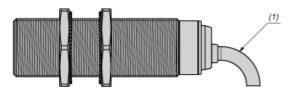
Facing a metal object



e (3) 12 mm/0.47 in.

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Mounting

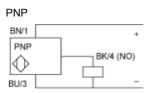


(1) Bending cable: 4 x external cable diameter

Product data sheet Connections and Schema

XS612B1PAL2

Wiring Schemes



BU: Blue BN: Brown BK: Black