XS630B1PAM12

inductive sensor XS6 M30 - L74mm - brass -Sn15mm - 12..48VDC - M12





Main

Series name General purpose Sensor type Inductive proximity sensor Device application Mobile equipment Sensor name XS6 Sensor design Cylindrical M30 Size 74 mm Body type Fixed Detector flush mounting acceptance Material Metal Type of output signal Discrete Wiring technique 3-wire [Sn] nominal sensing distance Discrete output function 1 NO Output circuit type DC Discrete output type PNP Electrical connection Male connector M12 4 pins [Us] rated supply voltage Switching capacity in mA IP degree of protection IP67 conforming to IEC 60529 IP69K conforming to DIN 40050	Range of product	OsiSense XS
Device application Mobile equipment Sensor name XS6 Sensor design Cylindrical M30 Size 74 mm Body type Fixed Detector flush mounting acceptance Material Metal Type of output signal Discrete Wiring technique 3-wire [Sn] nominal sensing distance Discrete output function 1 NO Output circuit type DC Discrete output type PNP Electrical connection Male connector M12 4 pins [Us] rated supply voltage Switching capacity in mA IP degree of protection IP67 conforming to IEC 60529	Series name	General purpose
Sensor name XS6 Sensor design Cylindrical M30 Size 74 mm Body type Fixed Detector flush mounting acceptance Material Metal Type of output signal Discrete Wiring technique 3-wire [Sn] nominal sensing distance Discrete output function 1 NO Output circuit type DC Discrete output type PNP Electrical connection Male connector M12 4 pins [Us] rated supply voltage Switching capacity in mA IP degree of protection IP67 conforming to IEC 60529	Sensor type	Inductive proximity sensor
Sensor design Cylindrical M30 Size 74 mm Body type Fixed Detector flush mounting acceptance Material Metal Type of output signal Wiring technique 3-wire [Sn] nominal sensing distance Discrete output function Discrete output function Output circuit type DC Discrete output type PNP Electrical connection Male connector M12 4 pins [Us] rated supply voltage Switching capacity in mA IP degree of protection Cylindrical M30 Flush Mountable Type of output signal Discrete The Metal Type of output signal Discrete The Metal Type of output signal Type of output signal The Metal Type of output signal Type of out	Device application	Mobile equipment
Size 74 mm Body type Fixed Detector flush mounting acceptance Material Metal Type of output signal Discrete Wiring technique 3-wire [Sn] nominal sensing distance Discrete output function 1 NO Output circuit type DC Discrete output type PNP Electrical connection Male connector M12 4 pins [Us] rated supply voltage Switching capacity in mA = 200 mA DC with overload and short-circuit protection IP degree of protection IP67 conforming to IEC 60529	Sensor name	XS6
Body type Fixed Detector flush mounting acceptance Material Metal Type of output signal Discrete Wiring technique 3-wire [Sn] nominal sensing distance Discrete output function 1 NO Output circuit type DC Discrete output type PNP Electrical connection Male connector M12 4 pins [Us] rated supply voltage Switching capacity in mA = 200 mA DC with overload and short-circuit protection IP degree of protection IP67 conforming to IEC 60529	Sensor design	Cylindrical M30
Detector flush mounting acceptance Material Metal Type of output signal Discrete Wiring technique 3-wire [Sn] nominal sensing distance Discrete output function 1 NO Output circuit type DC Discrete output type PNP Electrical connection Male connector M12 4 pins [Us] rated supply voltage Switching capacity in mA IP degree of protection IP67 conforming to IEC 60529	Size	74 mm
acceptance Material Metal Type of output signal Discrete Wiring technique 3-wire [Sn] nominal sensing distance Discrete output function 1 NO Output circuit type DC Discrete output type PNP Electrical connection Male connector M12 4 pins [Us] rated supply voltage Switching capacity in mA	Body type	Fixed
Type of output signal Discrete Wiring technique 3-wire [Sn] nominal sensing distance Discrete output function Output circuit type DC Discrete output type PNP Electrical connection Male connector M12 4 pins [Us] rated supply voltage Switching capacity in mA Type of output signal A pins 1248 V DC with reverse polarity protection see 200 mA DC with overload and short-circuit protection IP degree of protection IP67 conforming to IEC 60529	•	Flush mountable
Wiring technique [Sn] nominal sensing distance Discrete output function Output circuit type DC Discrete output type PNP Electrical connection Male connector M12 4 pins [Us] rated supply voltage Switching capacity in mA IP degree of protection S-wire 15 mm Mo 100 110 110 110 110 110 110	Material	Metal
[Sn] nominal sensing distance Discrete output function 1 NO Output circuit type DC Discrete output type PNP Electrical connection Male connector M12 4 pins [Us] rated supply voltage Switching capacity in mA	Type of output signal	Discrete
Discrete output function 1 NO Output circuit type DC Discrete output type PNP Electrical connection Male connector M12 4 pins [Us] rated supply voltage Switching capacity in mA	Wiring technique	3-wire
Output circuit type DC Discrete output type PNP Electrical connection Male connector M12 4 pins [Us] rated supply voltage 1248 V DC with reverse polarity protection age Switching capacity in MA		15 mm
Discrete output type PNP Electrical connection Male connector M12 4 pins [Us] rated supply voltage 1248 V DC with reverse polarity protection age Switching capacity in capacity in mA	Discrete output function	1 NO
Electrical connection [Us] rated supply voltage Switching capacity in mA Electrical connection Male connector M12 4 pins 1248 V DC with reverse polarity protection 4 = 200 mA DC with overload and short-circuit protection IP degree of protection IP67 conforming to IEC 60529	Output circuit type	DC
[Us] rated supply voltage 1248 V DC with reverse polarity protection age Switching capacity in K = 200 mA DC with overload and short-circuit protection IP degree of protection IP67 conforming to IEC 60529	Discrete output type	PNP
Switching capacity in mA	Electrical connection	Male connector M12 4 pins
mA tection IP degree of protection IP67 conforming to IEC 60529		1248 V DC with reverse polarity protection
		•
	IP degree of protection	

Complementary	
Thread type	M30 x 1.5
Detection face	Frontal
Front material	PPS
Enclosure material	Nickel plated brass
Operating zone	012 mm
Differential travel	115% of Sr
Status LED	1 LED (yellow) for output state
Supply voltage limits	1058 V DC
Switching frequency	<= 500 Hz
Voltage drop	<= 2 V, closed state
Current consumption	<= 10 mA (no-load)
Delay first up	<= 10 ms
Delay response	<= 0.6 ms
Delay recovery	<= 1.4 ms
Marking	CE
Threaded length	52 mm
Length	74 mm
Product weight	0.15 kg

Environment

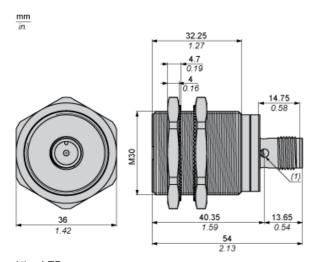
Product certifications	CSA
	UL
	E2
Ambient air temperature for operation	-2570 °C
Ambient air temperature for storage	-4085 °C
Vibration resistance	25 gn, amplitude: +/- 2 mm (f = 1055 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn (duration = 11 ms) conforming to IEC 60068-2-27

Offer Sustainability

Compliant - since 0804 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold
Available Download Product Environmental
Available 🔁 Download End Of Life Manual



Dimensions

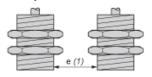


(1) LED

XS630B1PAM12

Minimum Mounting Distances

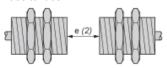
Side by side



e (1) 30 mm/1.18 in.

2

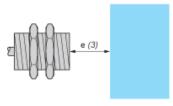
Face to face



e (2) 180 mm/7.09 in.

≥

Facing a metal object



e (3) 45 mm/1.77 in.

≥

Product data sheet **Connections and Schema**

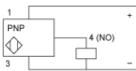
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Wiring Schemes

M12 connector







1: 2: 3:

(+) Not connected

3 : (-) 4 : NO Output