Product data sheet Characteristics

XS618B1PAM12

inductive sensor XS6 M18 - L74mm - brass - Sn8mm - 12..48VDC - M12





Main

Series name General purpose Sensor type Inductive proximity sensor Device application Mobile equipment Sensor name XS6 Sensor design Cylindrical M18 Size 74 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 8 mm Discrete output function 1 NO 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 Switching capacity in mA <= 200 mA DC with overload and short-circuit protection			
Series name General purpose Sensor type Inductive proximity sensor Device application Mobile equipment Sensor name XS6 Sensor design Cylindrical M18 Size 74 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 8 mm Discrete output function 1 NO 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 Switching capacity in mA <= 200 mA DC with overload and short-circuit protection	Range of product	OsiSense XS	
Device application Mobile equipment Sensor name XS6 Sensor design Cylindrical M18 Size 74 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 8 mm Discrete output function 1 NO 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 Switching capacity in mA <= 20 mA DC with overload and short-circuit protection	Series name	General purpose	- 5
Sensor name XS6 Sensor design Cylindrical M18 Size 74 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 8 mm Discrete output function 1 NO 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 Switching capacity in mA <= 200 mA DC with overload and short-circuit protection	Sensor type	Inductive proximity sensor	- 3
Sensor name XS6 Sensor design Cylindrical M18 Size 74 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 8 mm Discrete output function 1 NO 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 Switching capacity in mA <= 200 mA DC with overload and short-circuit protection	Device application	Mobile equipment	_ ; - ; - ;
Size 74 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 8 mm Discrete output function 1 NO 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 Switching capacity in mA <= 200 mA DC with overload and short-circuit protection	Sensor name	XS6	
Body type Fixed Detector flush mounting acceptance Flush mountable Material Metal Type of output signal Discrete Wiring technique 3-wire [Sn] nominal sensing distance 8 mm Discrete output function 1 NO 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 Switching capacity in mA <= 200 mA DC with overload and short-circuit protection	Sensor design	Cylindrical M18	- 10
Material Metal Type of output signal Discrete Wiring technique 3-wire [Sn] nominal sensing distance 8 mm Discrete output function 1 NO 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 Switching capacity in mA Metal Discrete And Discre	Size	74 mm	- 4
Material Metal Type of output signal Discrete Wiring technique 3-wire [Sn] nominal sensing distance 8 mm Discrete output function 1 NO 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 Switching capacity in mA Metal Discrete And Discre	Body type	Fixed	
Type of output signal Discrete Wiring technique 3-wire [Sn] nominal sensing distance 8 mm 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 Switching capacity in mA Discrete 1	Detector flush mounting acceptance	Flush mountable	- 6
Wiring technique [Sn] nominal sensing distance 8 mm Discrete output function 1 NO 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 Switching capacity in mA <= 200 mA DC with overload and short-circuit protection	Material	Metal	_ :
Wiring technique [Sn] nominal sensing distance 8 mm Discrete output function 1 NO 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 Switching capacity in mA <= 200 mA DC with overload and short-circuit protection	Type of output signal	Discrete	- 30
Discrete output function 1 NO 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 Switching capacity in mA <= 200 mA DC with overload and short-circuit protection	Wiring technique	3-wire	-4
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 Switching capacity in mA <= 200 mA DC with overload and short-circuit protection	[Sn] nominal sensing distance	8 mm	_ :
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 Switching capacity in mA <= 200 mA DC with overload and short-circuit protection	Discrete output function	1 NO	_ _;
Electrical connection Male connector M12, 4 pins [Us] rated supply voltage 1248 V DC with reverse polarity protection Switching capacity in mA <= 200 mA DC with overload and short-circuit protection	Output circuit type	DC	.9
[Us] rated supply voltage 1248 V DC with reverse polarity protection Switching capacity in mA <= 200 mA DC with overload and short-circuit protection	Discrete output type	PNP	- T
Switching capacity in mA <= 200 mA DC with overload and short-circuit protection	Electrical connection	Male connector M12, 4 pins	-4
Switching capacity in mA <= 200 mA DC with overload and short-circuit protection	[Us] rated supply voltage	1248 V DC with reverse polarity protection	-3
10.1	Switching capacity in mA	<= 200 mA DC with overload and short-circuit protection	_ ;
	IP degree of protection		- 60000

Complementary

Thread type	M18 x 1	
Detection face	Frontal	1
Front material	PPS	Ė

Enclosure material	Nickel plated brass
Sensing range	> 48 mm
Operating zone	06.4 mm
Differential travel	115% of Sr
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	1058 V DC
Switching frequency	<= 1000 Hz
Maximum voltage drop	<2 V (closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	10 ms
Maximum delay response	0.3 ms
Maximum delay recovery	0.7 ms
Marking	CE
Threaded length	52 mm
Length	74 mm
Net weight	0.04 kg

Environment

Product certifications	CSA	
	E2	
	UL	
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 for 11 ms conforming to IEC 60068-2-27	

Packing Units

Package 1 Weight	0.074 kg	
Package 1 Height	0.420 dm	
Package 1 width	0.650 dm	
Package 1 Length	0.950 dm	

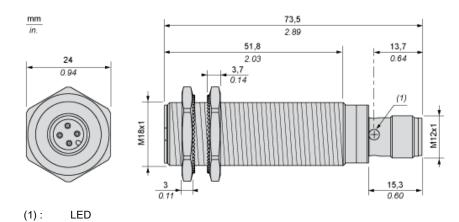
Offer Sustainability

Sustainable offer status	Green Premium product	
REACh Regulation	REACh Declaration	
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU 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

Dimensions

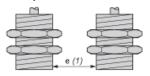


Product data sheet Mounting and Clearance

XS618B1PAM12

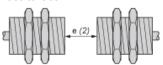
Minimum Mounting Distances

Side by side

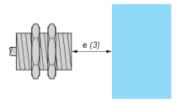


e (1) ≥ 16 mm/0.63 in.

Face to face



e (2) ≥ 100 mm/3.94 in. Facing a metal object



e (3) ≥ 25 mm/0.98 in

Product data sheet Connections and Schema

XS618B1PAM12

Wiring Schemes

M12 connector



PNP

