## XS618B1PAL01U78

inductive sensor XS6 M18 - L62mm - brass - Sn8mm - 12..48VDC - 7/8" -0.15m





#### Main

Series name General purpose  Sensor type Inductive proximity sensor  Device application Mobile equipment  Sensor name XS6  Sensor design Cylindrical M18  Size 62 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 Remote male connector 7/8"16 UNF, 3 pins  Cable length 0.15 m  [Us] rated supply voltage  Switching capacity in mA  IP degree of protection  IP 68 double insulation conforming to IEC 60529 IP65 conforming to IEC 60529 IP69K conforming to DIN 40050	Range of product	OsiSense XS
Device application Mobile equipment  Sensor name XS6  Sensor design Cylindrical M18  Size 62 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 Remote male connector 7/8"16 UNF, 3 pins  Cable length 0.15 m  [Us] rated supply voltage  Switching capacity in mA  IP degree of protection IP68 double insulation conforming to IEC 60529 IP65 conforming to IEC 60529  IP65 conforming to IEC 60529	Series name	General purpose
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Sensor design Cylindrical M18  Size 62 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 Remote male connector 7/8"16 UNF, 3 pins  Cable length 0.15 m  [Us] rated supply voltage  Switching capacity in mA  IP degree of protection  Cylindrical M18  Elush mountable  Flush mountable  Search  Flush mountable  Abeta  Flush mountable  Search  Flush mountable  Search  Flush mountable  Abeta  Flush mountable  Search  Flush mountable  Search  Flush mountable  Search  Flush mountable  Abeta  Search  Flush mountable  Search  Search  Search	Device application	Mobile equipment
Size 62 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 Remote male connector 7/8"16 UNF, 3 pins  Cable length 0.15 m  [Us] rated supply voltage  Switching capacity in mA  IP degree of protection IP68 double insulation conforming to IEC 60529  IP65 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 Remote male connector 7/8"16 UNF, 3 pins  Cable length 0.15 m  [Us] rated supply voltage  Switching capacity in mA  IP degree of protection IP68 double insulation conforming to IEC 60529 IP65 conforming to IEC 60529	Sensor design	Cylindrical M18
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 Remote male connector 7/8"16 UNF, 3 pins  Cable length 0.15 m  [Us] rated supply voltage  Switching capacity in mA  IP degree of protection  Flush mountable  Flush mountab	Size	62 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 Remote male connector 7/8"16 UNF, 3 pins  Cable length 0.15 m  [Us] rated supply voltage  Switching capacity in mA  IP degree of protection IP68 double insulation conforming to IEC 60529  IP65 conforming to IEC 60529	Body type	Fixed
Type of output signal  Wiring technique  [Sn] nominal sensing distance  Discrete output function  Output circuit type  DC  Discrete output type  PNP  Electrical connection  Cable length  [Us] rated supply voltage  Switching capacity in mA  IP degree of protection  Discrete  8 mm  1 NO  Output circuit type  DC  PNP  Electrical connection  Remote male connector 7/8"16 UNF, 3 pins  Cable length  1248 V DC with reverse polarity protection voltage  Switching capacity in mA  IP68 double insulation conforming to IEC 60529 IP65 conforming to IEC 60529	9	Flush mountable
Wiring technique  [Sn] nominal sensing distance  Discrete output function  Output circuit type  DC  Discrete output type  PNP  Electrical connection  Remote male connector 7/8"16 UNF, 3 pins  Cable length  0.15 m  [Us] rated supply voltage  Switching capacity in mA  Pdegree of protection  IP degree of protection  S mm  8 mm  1 NO  1 NO  2 Utype  PNP  1 Electrical connector 7/8"16 UNF, 3 pins  1 2 48 V DC with reverse polarity protection  Voltage  Switching capacity in protection  IP degree of protection  IP68 double insulation conforming to IEC 60529  IP65 conforming to IEC 60529	Material	Metal
[Sn] nominal sensing distance  Discrete output function 1 NO  Output circuit type DC  Discrete output type PNP  Electrical connection Remote male connector 7/8"16 UNF, 3 pins  Cable length 0.15 m  [Us] rated supply voltage  Switching capacity in mA = 200 mA DC with overload and short-circuit protection  IP degree of protection   IP68 double insulation conforming to IEC 60529   IP65 conforming to IEC 60529	Type of output signal	Discrete
distance  Discrete output function 1 NO  Output circuit type DC  Discrete output type PNP  Electrical connection Remote male connector 7/8"16 UNF, 3 pins  Cable length 0.15 m  [Us] rated supply voltage 1248 V DC with reverse polarity protection voltage  Switching capacity in mA protection  IP degree of protection IP68 double insulation conforming to IEC 60529 IP65 conforming to IEC 60529	Wiring technique	3-wire
Output circuit type DC  Discrete output type PNP  Electrical connection Remote male connector 7/8"16 UNF, 3 pins  Cable length 0.15 m  [Us] rated supply voltage 1248 V DC with reverse polarity protection voltage		8 mm
Discrete output type PNP  Electrical connection Remote male connector 7/8"16 UNF, 3 pins  Cable length 0.15 m  [Us] rated supply voltage  Switching capacity in mA PC with overload and short-circuit protection  IP degree of protection IP68 double insulation conforming to IEC 60529  IP65 conforming to IEC 60529	Discrete output function	1 NO
Electrical connection Remote male connector 7/8"16 UNF, 3 pins  Cable length 0.15 m  [Us] rated supply voltage 1248 V DC with reverse polarity protection voltage	Output circuit type	DC
Cable length 0.15 m  [Us] rated supply voltage 1248 V DC with reverse polarity protection voltage  Switching capacity in mA capacity in protection  IP degree of protection IP68 double insulation conforming to IEC 60529 IP65 conforming to IEC 60529	Discrete output type	PNP
[Us] rated supply voltage  Switching capacity in mA	Electrical connection	Remote male connector 7/8"16 UNF, 3 pins
voltage  Switching capacity in mA	Cable length	0.15 m
mA protection  IP degree of protection  IP68 double insulation conforming to IEC 60529 IP65 conforming to IEC 60529		1248 V DC with reverse polarity protection
IP65 conforming to IEC 60529	. ,	
	IP degree of protection	IP65 conforming to IEC 60529

#### Complementary

Complementary	
Thread type	M18 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Nickel plated brass
Sensing range	> 48 mm
Operating zone	06.4 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	<= 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	62 mm
Net weight	0.15 kg
Environment	
Product certifications	CSA CCC 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 for 11 ms conforming to IEC 60068-2-27
Package 1 Weight	0.082 kg
Packing Units Package 1 Weight	0.082 ka
Package 1 Height	0.420 dm
Package 1 width	0.970 dm
Package 1 Length	1.320 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) EVEU RoHS Declaration
Mercury free	Yes
RoHS exemption information	₽¥Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	<sup>™</sup> End of Life Information

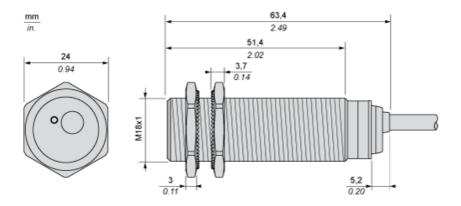
18 months

Warranty

# Product data sheet Dimensions Drawings

# XS618B1PAL01U78

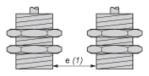
### **Dimensions**



# XS618B1PAL01U78

### **Minimum Mounting Distances**

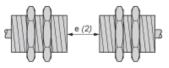
### Side by side



e (1) 16 mm/0.63 in.

≥

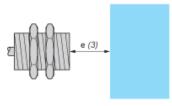
Face to face



e (2) 100 mm/3.94 in.

≥

Facing a metal object



e (3) 25 mm/0.98 in