

# Product data sheet

## Characteristics

# XS630B1PAM12TF

Inductive proximity sensors XS, inductive sensor XS6 M30, L74mm, brass, Sn15mm, 12...48 VDC, M12



### 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 M30
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	0.59 In (15 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	12...48 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA DC with overload and short-circuit protection
IP degree of protection	IP67 conforming to IEC 60529 IP69K DIN 40050

### Complementary

Thread type	M30 x 1.5
Detection face	Frontal
Front material	PPS
Enclosure material	Nickel plated brass
Sensing range	> 8...15 mm
Operating zone	0.00...0.47 In (0...12 mm)
Differential travel	1...15% of Sr
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	10...58 V DC
Switching frequency	<= 500 Hz
Maximum voltage drop	<2 V (closed)

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Current consumption	<= 10 mA no-load
Maximum delay first up	10 Ms
Maximum delay response	0.6 Ms
Maximum delay recovery	1.4 Ms
Marking	CE
Threaded length	2.05 In (52 mm)
Length	2.91 In (74 mm)
Product weight	0.33 Lb(US) (0.15 kg)

## Environment

Product certifications	UL E2 CSA
Ambient air temperature for operation	-13...158 °F (-25...70 °C)
Ambient air temperature for storage	-40...185 °F (-40...85 °C)
Vibration resistance	25 gn amplitude = +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	5.61 Oz (159 g)
Package 1 Height	1.65 In (4.2 cm)
Package 1 width	3.82 In (9.7 cm)
Package 1 Length	2.60 In (6.6 cm)
Unit Type of Package 2	BAG
Number of Units in Package 2	1
Package 2 Weight	5.61 Oz (159 g)
Package 2 Height	1.18 In (3 cm)
Package 2 width	9.84 In (25 cm)
Package 2 Length	7.87 In (20 cm)
Unit Type of Package 3	S02
Number of Units in Package 3	44
Package 3 Weight	16.43 Lb(US) (7.451 kg)
Package 3 Height	5.91 In (15 cm)
Package 3 width	11.81 In (30 cm)
Package 3 Length	15.75 In (40 cm)

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	 Yes
Environmental Disclosure	 <a href="#">Product Environmental Profile</a>
Circularity Profile	 <a href="#">End Of Life Information</a>

Product Life Status : **Commercialised**