XU9N18NP341WD

Photoelectric sensors XU, XU9, polarised, 90°, Sn 2 m, 12...24 VDC, M12



Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	Application food and beverage
Electronic sensor type	Photo-electric sensor
Sensor name	XU9
Sensor design	Cylindrical M18
Detection system	Polarised reflex
Material	Stainless steel
Line of sight type	90° lateral
Type of output signal	Discrete
Supply circuit type	DC
Wiring technique	3-wire
Discrete output type	NPN
Discrete output function	1 NO or 1 NC programmable
Electrical connection	1 male connector M12, 4 pins
Product specific application	-
Emission	Red polarised reflex
[Sn] nominal sensing distance	2 m polarised reflex need reflector XUZC50

Complementary

Complementary	
Enclosure material	Stainless steel : 304 CU
Lens material	PMMA
Maximum sensing distance	3 m
Output type	Solid state
Add on output	Without
Add on input	Programmation
Cable composition	4 x 0.34 mm²
Wire insulation material	PvR
Cable outer diameter	4.2 mm
Status LED	1 LED (green) for supply on 1 LED (yellow) for output state
[Us] rated supply voltage	1224 V DC with reverse polarity protection
Supply voltage limits	1030 V DC
Switching capacity in mA	<= 100 mA (overload and short-circuit protection)
Switching frequency	<= 500 Hz
Maximum voltage drop	<1.5 V (closed state)
Current consumption	<= 30 mA no-load
Maximum delay first up	15 ms
Maximum delay response	1 ms
Maximum delay recovery	1 ms
Setting-up	Without sensitivity adjustment
Diameter	18 mm
Length	78 mm
Net weight	0.085 kg
Kit composition	Reflector XUZC50 Sensor

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability of trelesping products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant Neither TMSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Environment

Product certifications CSA[RETURN]CE[RETURN]UL		
Ambient air temperature for operation	-2555 °C	
nbient air temperature for storage -4070 °C		
Vibration resistance	25 gn, amplitude = +/- 1.5 mm (f = 1055 Hz) conforming to IEC 60068-2-6	
Shock resistance	30 gn (duration = 11 ms) conforming to IEC 60068-2-27	
IP degree of protection	IP67 conforming to IEC 60529	

Packing Units

Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Height	4.5 cm	
Package 1 Width	8.2 cm	
Package 1 Length	7.2 cm	
Package 1 Weight	91.0 g	

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

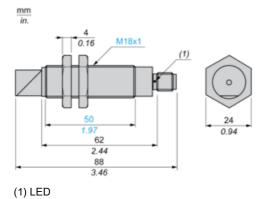
Contractual warranty

Warranty	40 months
Warranty	18 months

Product data sheet Dimensions Drawings

XU9N18NP341WD

Dimensions



Product data sheet Mounting and Clearance

XU9N18NP341WD

Mounting and Clearance

Fixing nut tightening torque: < 15 N.m Connector tightening torque: 2 N.m



Product data sheet Connections and Schema

XU9N18NP341WD

Wiring Schemes

M12 Connector



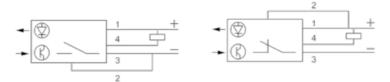
3:(-)

1:(+)

4 : OUT/Output

2 : Prog

3-wire, NPN NO or NC Programmable Function

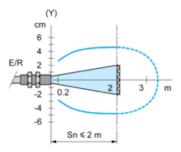


Product data sheet Performance Curves

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Detection Curves

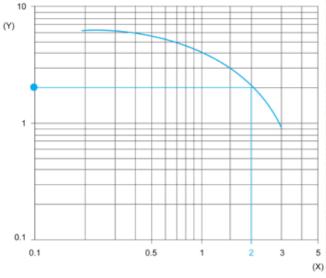
Polarised Reflex System with Reflector XUZC50



(y) Ø of beam

Excess Gain Curves (Ambient Temperature: + 25° C)

Polarised Reflex System with Reflector XUZC50



- (y) Gain
- (x) Distance (m)