Product data sheet
Characteristics

XU9N18NP341W

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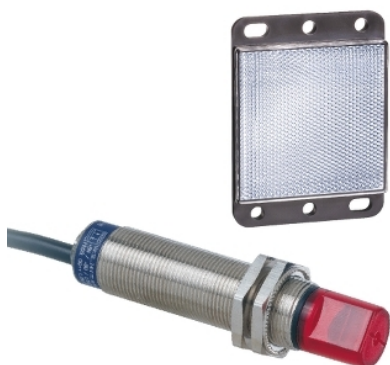
Main

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	Cable
Cable length	6.56 ft (2 m)
Product Specific Application	-
Emission	Red polarised reflex
[Sn] nominal sensing distance	6.56 ft (2 m) polarised reflex need reflector XUZC50

Complementary

Enclosure Material	Stainless steel : 304 CU
Lens material	PMMA
Maximum sensing distance	9.84 ft (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	0.17 in (4.2 mm)
Status LED	1 LED green)supply on 1 LED yellow)output state
[Us] rated supply voltage	12...24 V DC reverse polarity protection
Supply voltage limits	10…30 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	0.71 in (18 mm)
Length	3.46 in (88 mm)
Net Weight	0.19 lb(US) (0.085 kg)
Kit composition	Reflector XUZC50 Sensor

Environment

Product Certifications	CSA[RETURN]UL[RETURN]CE
Ambient air temperature for operation	-13…131 °F (-25…55 °C)
Ambient Air Temperature for Storage	-40…158 °F (-40…70 °C)
Vibration resistance	25 gn +/- 1.5 mm 10…55 Hz) IEC 60068-2-6
Shock resistance	30 gn 11 ms) IEC 60068-2-27
IP degree of protection	IP67 IEC 60529

Ordering and shipping details

Category	US10DS222481
Discount Schedule	0DS2
GTIN	3389110853780
Returnability	No
Country of origin	FR

Packing Units

|	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.77 in (4.5 cm)
Package 1 Width	3.15 in (8.0 cm)
Package 1 Length	5.83 in (14.8 cm)
Package 1 Weight	5.93 oz (168.0 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	18 months

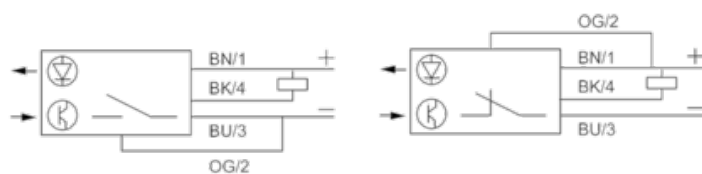Telemecanique
Sensors

Dimensions
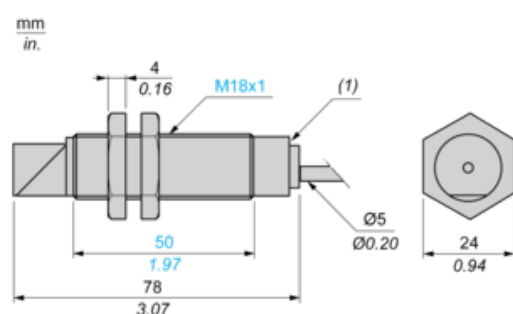
(1) LED

Mounting and Clearance

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

Wiring Schemes

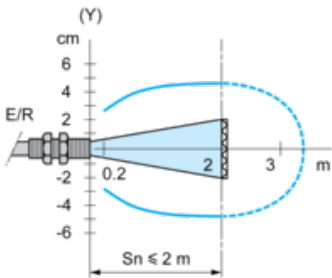### 3-wire, NPN NO or NC Programmable Function

BN : Brown
BK : Black (out / output)
BU : Blue
OG : Orange (program)

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)

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