XUMTAPCNM8

photo-electric sensor - XUM - reflex - Sn 2m - 12..24VDC - M8

Main

Range of product	OsiSense XU
Series name	Application packaging
Electronic sensor type	Photo-electric sensor
Sensor name	XUM
Sensor design	Miniature
Detection system	Reflex
Material	Plastic
Type of output signal	Discrete
Supply circuit type	DC
Wiring technique	3-wire
Discrete output type	PNP
Discrete output function	1 NO or 1 NC programmable
Electrical connection	1 male connector M8, 4 pins
Product specific application	Detection of transparent object
Emission	Infrared reflex
[Sn] nominal sensing distance	2 M reflex need reflector XUZC50 1 m reflex need reflector XUZC50CR

Complementary

Enclosure material	PBT
Lens material	PC
Output type	Solid state
Cable entry	1 entry for M16 x 1.5 cable gland, cable outer diameter: 7…10 mm
Status LED	1 LED (yellow) for output state 1 LED (green) for supply
[Us] rated supply voltage	12...24 V DC
Supply voltage limits	10…30 V DC
Switching capacity in mA	<= 100 mA (overload and short-circuit protection)
Switching frequency	<= 250 Hz
Maximum voltage drop	<1.5 V (closed state)
Current consumption	<= 35 mA no-load
Maximum delay first up	15 ms
Maximum delay response	2 ms
Maximum delay recovery	2 ms
Setting-up	Sensitivity adjustment
Depth	77 mm
Height	92 mm
Length	11 mm
Width	31 mm
Net weight	0.2 kg

Environment

Product certifications	CSA UL CE
Ambient air temperature for operation	-25…55 °C
Ambient air temperature for storage	-40…70 °C
Immunity to ambient light	3000 Lux natural light 3000 lux incandescent light
Vibration resistance	7 gn, amplitude = +/- 1.5 mm (f = 10…55 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 double insulation conforming to IEC 60529 IP65 double insulation conforming to IEC 60529

Packing Units

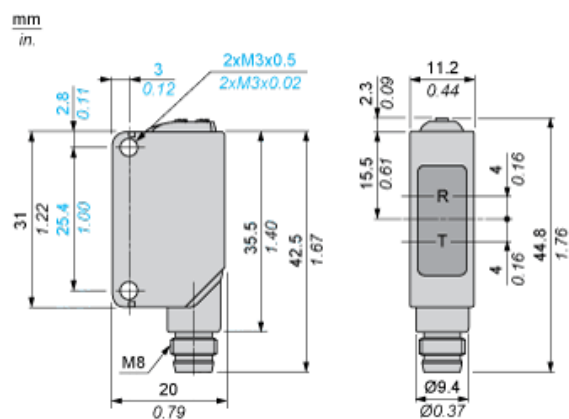|	
Package 1 Weight	0.014 kg
Package 1 Height	0.150 dm
Package 1 width	1.600 dm
Package 1 Length	2.000 dm

Offer Sustainability

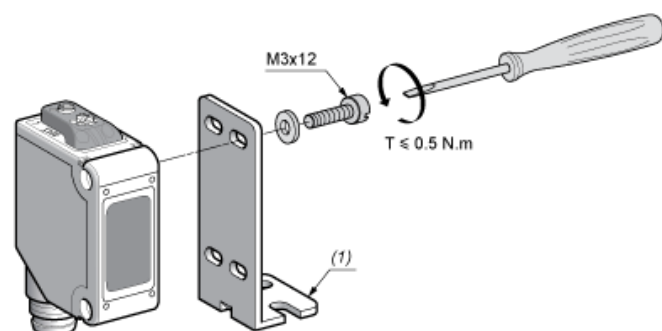|	
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes

Contractual warranty

Warranty	18 months

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Dimensions

R : Reception
T : Transmission

Mounting

(1)   Metal bracket

Telemecanique
Sensors

Wiring Schemes

M8 Connector
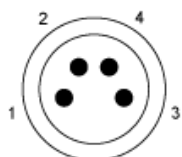
3 :   (-)
1 :   (+)
4 :   Output
2 :   Not connected

PNP Output

+ V

+
−   12...24 V
± 10 %

0 V