Product data sheet
Characteristics

XUAJ0224

photo-electric sensor - XUA - thru beam - Sn 2m - 12..24VDC - cable 2m

Main

Range of product	OsiSense XU
Series name	Application assembly
Electronic sensor type	Photo-electric sensor
Sensor name	XUA
Sensor design	Cylindrical M8
Detection system	Thru beam
Material	Metal
Line of sight type	Axial
Type of output signal	Discrete
Supply circuit type	DC
Wiring technique	3-wire
Discrete output type	NPN
Discrete output function	1 NC
Electrical connection	Cable
Cable length	2 m
Product specific application	-
Emission	Infrared thru beam
[Sn] nominal sensing distance	2 m thru beam need a transmitter XUAH0203

Complementary

Enclosure material	Nickel plated brass
Lens material	PMMA
Maximum sensing distance	4 m
Output type	Solid state
Add on output	Without
Cable composition	3 x 0.14 mm²
Wire insulation material	PvR
Cable outer diameter	3.5 mm
Status LED	1 LED (yellow) for output state
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Supply voltage limits	10…30 V DC
Switching capacity in mA	<= 100 mA (overload and short-circuit protection)
Switching frequency	<= 2000 Hz
Maximum voltage drop	<1 V (closed state)
Current consumption	<= 10 mA no-load
Maximum delay first up	20 ms
Maximum delay response	0.25 ms
Maximum delay recovery	0.25 ms
Setting-up	Without sensitivity adjustment
Diameter	8 mm
Length	47 mm
Net weight	0.015 kg

Environment

Product certifications	CE CULus
Ambient air temperature for operation	-25…55 °C
Ambient air temperature for storage	-30…70 °C
Vibration resistance	7 gn, amplitude = +/- 1 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	IP65 conforming to IEC 60529

Packing Units

Package 1 Weight	0.077 kg
Package 1 Height	0.360 dm
Package 1 width	0.950 dm
Package 1 Length	1.100 dm

Offer Sustainability

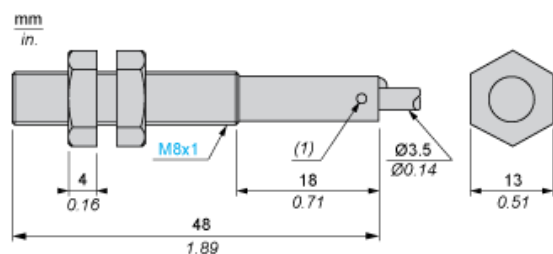|	
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes

Contractual warranty

Warranty	18 months

Telemecanique
Sensors

Dimensions

(1) LED, 4 viewing ports at 90°
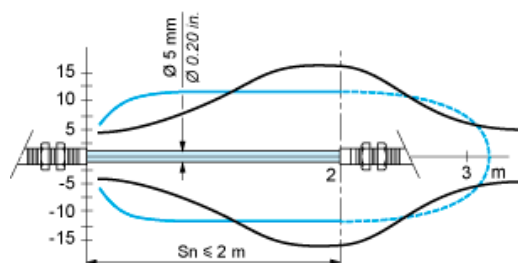Note : Fixing nut tightening torque : <2N.m
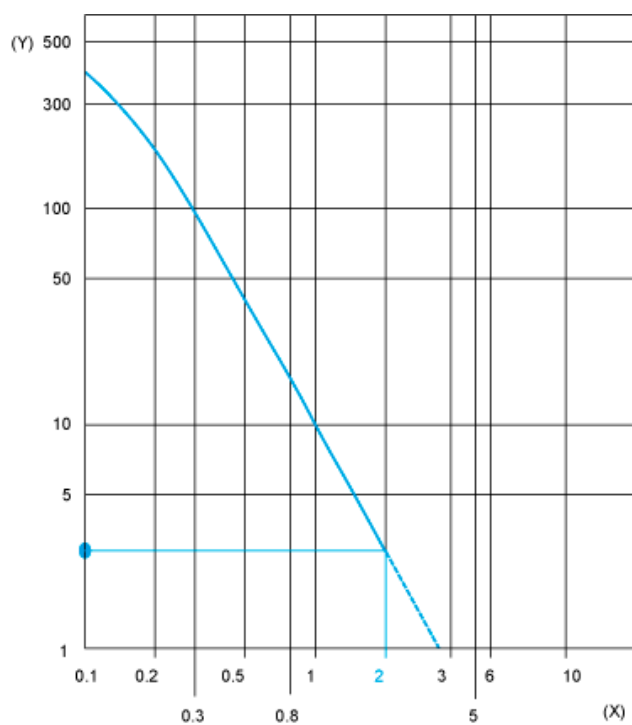
Wiring Schemes

NPN

BN : Brown
BU : Blue
BK : Black

Detection Curves

Excess Gain Curves (Ambient temperature: ± 25 °C)

(Y) Gain
(X) Distance (m)