



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 NO
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 mm ²
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 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
Voltage drop	<= 1 V (closed state)
Current consumption	<= 10 mA (no-load)
Delay first up	<= 20 ms
Delay response	<= 0.25 ms
Delay recovery	<= 0.25 ms
Setting-up	Without sensitivity adjustment
Diameter	8 mm
Length	47 mm
Product 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

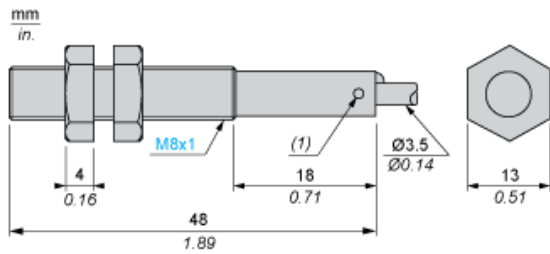
Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 0732 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold

Contractual warranty

Warranty period	18 months
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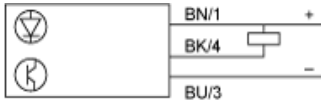
Dimensions



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

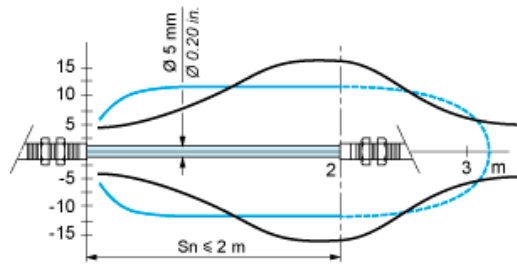
Wiring Schemes

NPN

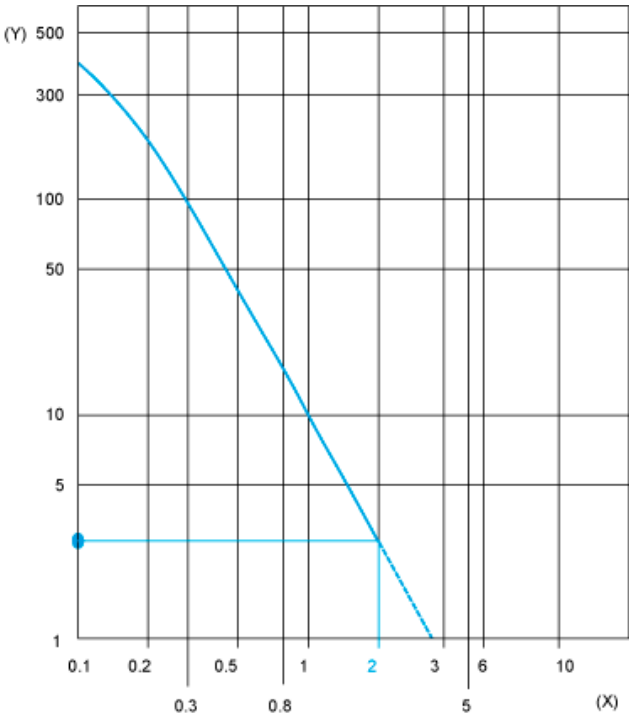


BN : Brown
BU : Blue
BK : Black

Detection Curves



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



(Y) Gain
(X) Distance (m)