

XUE1AA2NM12

Photoelectric sensors XU, photo electric sensor, XUE, reflex, measurement, Sn 30 m, 24 VDC, M12



Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	Application material handling
Electronic sensor type	Photo-electric sensor
Sensor name	XUE
Sensor design	Compact 90 x 90
Detection system	Reflex
Material	Plastic
Supply circuit type	DC
Wiring technique	5-wire
Discrete output type	PNP
Discrete output function	2 NO/NC programmable
Analogue output range	4...20 mA
Electrical connection	1 male connector M12, 5 pins
Product specific application	Distance measurement on reflector
Emission	Infrared laser, pulsed, wavelength: 905 nm - class 1 conforming to IEC 600825-1 Red laser, pulsed, wavelength: 670 nm - class 2 conforming to IEC 600825-1
[Sn] nominal sensing distance	30 m need reflector XUZC250

Complementary

Enclosure material	ABS, anti-shock
Lens material	PMMA
Linearity	<= +/- 40 mm
Spot dimension	45 x 60 mm at 30 meters
Status LED	Supply on: 1 LED (green) Output: 2 LEDs (yellow) Parameterizing: 4 LEDs (red) Slow mode: 1 LED (orange)
[Us] rated supply voltage	24 V DC with reverse polarity protection
Supply voltage limits	18...30 V DC
Switching capacity in mA	100 mA (overload and short-circuit protection)
Switching time	30 ms at fast mode 65 ms at slow mode
Maximum voltage drop	<2.4 V (closed state)
Current consumption	125 mA no-load
Maximum delay first up	65 Ms 30 ms
Maximum delay response	30 Ms fast mode 65 ms slow mode
Setting-up	Parameterizing by buttons
Height	93 mm
Length	95 mm
Width	42 mm
Net weight	0.2 kg

Environment

Product certifications	CULus CE
Ambient air temperature for operation	-10...50 °C
Ambient air temperature for storage	-40...80 °C
Vibration resistance	7 gn, amplitude = +/- 0.5 mm (f = 10...55 Hz) conforming to IEC 60947-5-2
Shock resistance	30 gn (duration = 11 ms) conforming to IEC 60947-5-2
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 Weight	338 g
Package 1 Height	5.5 cm
Package 1 width	16 cm
Package 1 Length	23 cm
Unit Type of Package 2	S04
Number of Units in Package 2	10
Package 2 Weight	4.41 kg
Package 2 Height	30 cm
Package 2 width	40 cm
Package 2 Length	60 cm

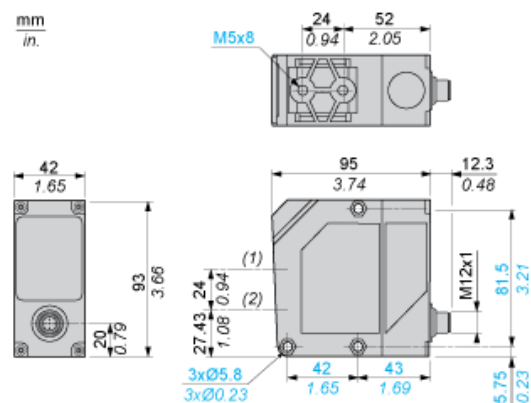
Offer Sustainability

REACH Regulation	 REACH Declaration
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

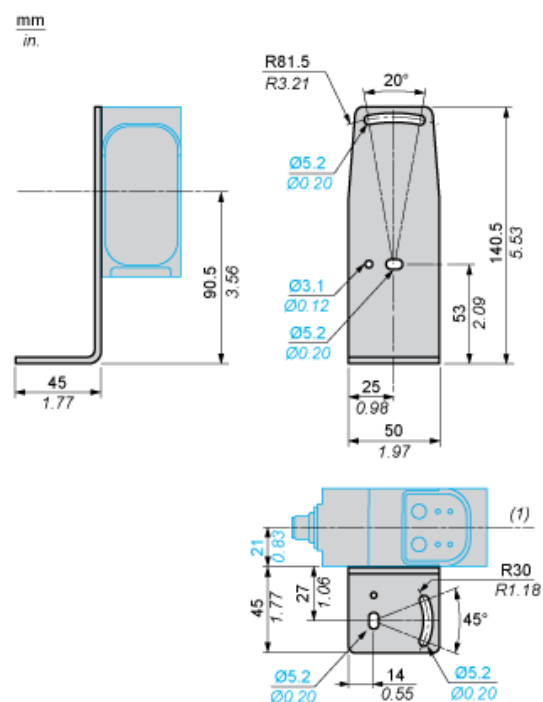
Warranty	18 months
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Dimensions



- (1) Receiver optical axis
(2) Transmitter optical axis

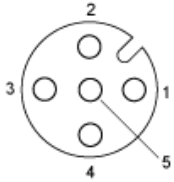
Dimensions with Fixing Bracket XUZA618



- (1) Optical axis

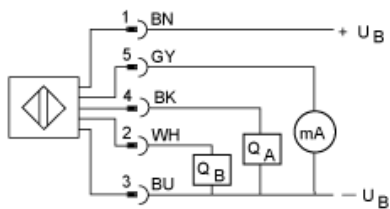
Wiring Schemes

M12 Connector



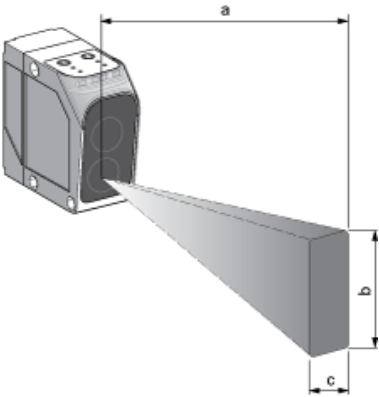
- 1 : $+U_B$
- 2 : Q_B
- 3 : $-U_B$
- 4 : Q_A
- 5 : mA

Output



- BN : Brown
- WH : White
- BU : Blue
- BK : Black
- GY : Grey

Curves



a (m)	b (mm)	c (mm)
0	10	5
10	20	15
20	40	30
30	60	45