

XUE1AA2NM12

photo-electric sensor - XUE - reflex -
measurement - Sn 30m - 24VDC - M12



Main

Range of product	OsiSense 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 0.000035630 in (905 nm) - class 1 IEC 600825-1 Red laser, pulsed 0.000026378 in (670 nm) - class 2 IEC 600825-1
[Sn] nominal sensing distance	98.43 ft (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) Parametering 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 fast mode 65 ms 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	Parametering by buttons
Height	3.66 in (93 mm)
Length	3.74 in (95 mm)
Maximum Width	1.65 in (42 mm)
Net Weight	0.44 lb(US) (0.2 kg)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Environment

Product certifications	CULus CE
Ambient air temperature for operation	14...122 °F (-10...50 °C)
Ambient air temperature for storage	-40...176 °F (-40...80 °C)
Vibration resistance	7 gn +/- 0.5 mm 10...55 Hz) IEC 60947-5-2
Shock resistance	30 gn 11 ms) IEC 60947-5-2
IP degree of protection	IP67 conforming to IEC 60529

Ordering and shipping details

Category	22481 - SENSORS, PHOTOELECTRIC
Discount Schedule	DS2
GTIN	00785901808978
Nbr. of units in pkg.	1
Package weight(Lbs)	0.74 lb(US) (0.34 kg)
Returnability	No
Country of origin	DE

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.17 in (5.5 cm)
Package 1 width	6.30 in (16 cm)
Package 1 Length	9.06 in (23 cm)
Unit Type of Package 2	S04
Number of Units in Package 2	10
Package 2 Weight	9.72 lb(US) (4.41 kg)
Package 2 Height	11.81 in (30 cm)
Package 2 width	15.75 in (40 cm)
Package 2 Length	23.62 in (60 cm)

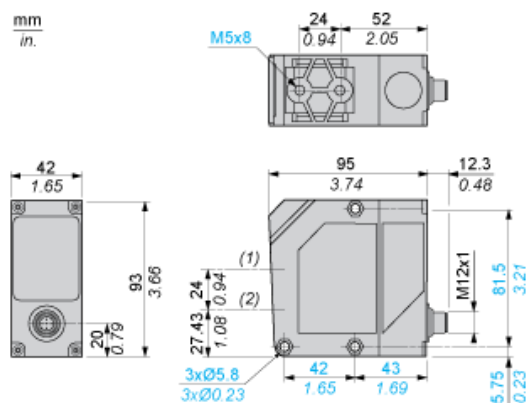
Offer Sustainability

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
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

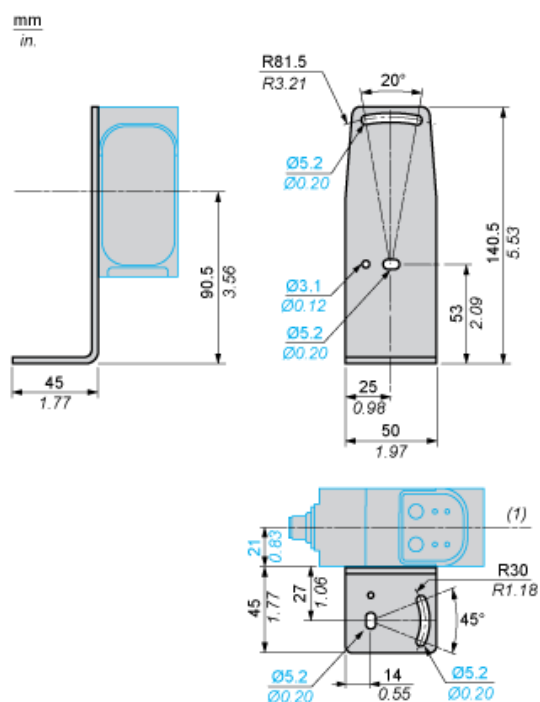
Warranty	18 months
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Dimensions



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

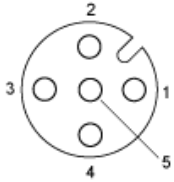
Dimensions with Fixing Bracket XUZA618



- (1) Optical axis

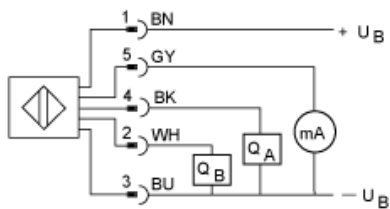
Wiring Schemes

M12 Connector



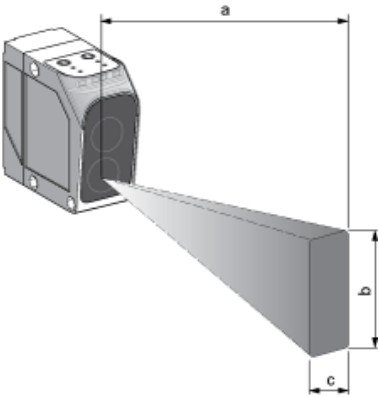
- 1 : $+U_B$
- 2 : Q_B
- 3 : $-U_B$
- 4 : Q_A
- 5 : mA

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