XUAH0203S

Photoelectric sensors XU, XUA, emitter, 12...24 VDC, M8



Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	Application assembly
Electronic sensor type	Photo-electric sensor transmitter
Sensor name	XUA
Sensor design	Cylindrical M8
Detection system	Thru beam
Material	Metal
Line of sight type	Axial
Supply circuit type	DC
Wiring technique	3-wire
Electrical connection	1 male connector M8, 3 pins
Emission	Infrared thru beam
[Sn] nominal sensing distance	2 m thru beam need a receiver

Complementary

PMMA dd on input Test by emission breaking Us] rated supply voltage 1224 V DC with reverse polarity protection supply voltage limits 1030 V DC current consumption <= 15 mA Maximum delay first up 20 ms letting-up Without sensitivity adjustment liameter 8 mm ength 47 mm			
Test by emission breaking Us] rated supply voltage 1224 V DC with reverse polarity protection supply voltage limits 1030 V DC current consumption <= 15 mA Maximum delay first up 20 ms setting-up Without sensitivity adjustment siameter 8 mm ength 47 mm	Enclosure material	Nickel plated brass	
Us] rated supply voltage 1224 V DC with reverse polarity protection 1030 V DC 1030 V DC 1524 V DC with reverse polarity protection 1024 V DC with reverse polarity protection 1024 V DC with reverse polarity protection 1024 V DC with reverse polarity protec	Lens material	PMMA	
tupply voltage limits 1030 V DC Current consumption <= 15 mA Maximum delay first up 20 ms Setting-up Without sensitivity adjustment Diameter 8 mm ength 47 mm	Add on input	Test by emission breaking	
Current consumption <= 15 mA Maximum delay first up 20 ms Setting-up Without sensitivity adjustment Diameter 8 mm ength 47 mm	[Us] rated supply voltage	1224 V DC with reverse polarity protection	
Maximum delay first up 20 ms Setting-up Without sensitivity adjustment Stameter 8 mm ength 47 mm	Supply voltage limits	1030 V DC	
Without sensitivity adjustment Search Setting-up Without sensitivity adjustment 8 mm ength 47 mm	Current consumption	<= 15 mA	
ength 8 mm 47 mm	Maximum delay first up	20 ms	
ength 47 mm	Setting-up	Without sensitivity adjustment	
<u> </u>	Diameter	8 mm	
let weight 0.015 kg	Length	47 mm	
	Net weight	0.015 kg	

Environment

Product certifications	CE[RETURN]cULus
Ambient air temperature for operation	-2555 °C
Ambient air temperature for storage	-3070 °C
Vibration resistance	7 gn, amplitude = +/- 1 mm (f = 1055 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

Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Height	4.3 cm	
Package 1 Width	6.5 cm	
Package 1 Length	9.5 cm	
Package 1 Weight	31.0 g	
Unit Type of Package 2	S01	
Number of Units in Package 2	24	
Package 2 Height	15.0 cm	
Package 2 Width	15.0 cm	

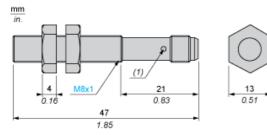
Package 2 Length	40.0 cm
Package 2 Weight	886.0 g
Offer Sustainability	
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com
Contractual warrants	
Contractual warranty	
Warranty	18 months



Product data sheet Dimensions Drawings

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Dimensions

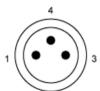


(1) LED, 4 viewing ports at 90° Note Fixing nut tightening torque : <2N.m

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Wiring Schemes

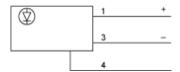
M8 Connector



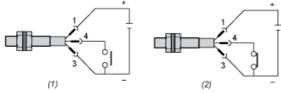
1: 3: 4: (+)

(-) OUT or test

Transmitter



Beam Break Test

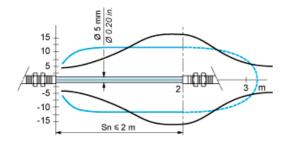


- (1) Beam made LED on (stead(2) Beam broken LED flashing Beam made LED on (steady light)

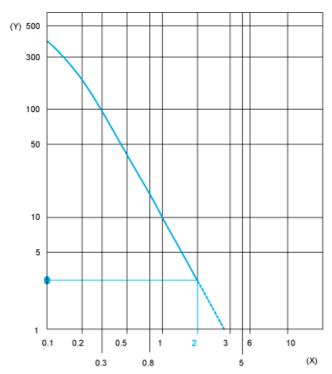
Product data sheet Performance Curves

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Detection Curves



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



- (Y) Gain
- (X) Distance (m)