Specifications



Photoelectric sensors XU, XUA, diffuse, Sn 0.05 m, 12...24 VDC, cable 2 m

XUAH0515

Main

IVIAIII	
Range of product	Telemecanique Photoelectric sensors XU
Series name	Application assembly
Electronic sensor type	Photo-electric sensor
Sensor name	XUA
Sensor design	Cylindrical M8
Detection system	Diffuse
Material	Metal
Line of sight type	Axial
Type of output signal	Discrete
Supply circuit type	DC
Wiring technique	3-wire
Discrete output type	PNP
Discrete output function	1 NO
Electrical connection	Cable
Cable length	2 m
Product specific application	-
Emission	Infrared diffuse
[Sn] nominal sensing distance	0.05 m diffuse

Complementary

Enclosure material	Nickel plated brass
Lens material	PMMA
Maximum sensing distance	0.06 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	1224 V DC with reverse polarity protection				
Supply voltage limits	1030 V DC				
Switching capacity in mA	<= 100 mA (overload and short-circuit protection)				
Switching frequency	<= 1000 Hz				
Maximum voltage drop	<1 V (closed state)				
Current consumption	<= 25 mA no-load				
Maximum delay first up	20 ms				
Maximum delay response	0.5 ms				
Maximum delay recovery	0.5 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	-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	3.5 cm
Package 1 Width	9.0 cm
Package 1 Length	11.0 cm
Package 1 Weight	50.0 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	1.39 kg

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	

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

Contractual warranty

Warranty

18 months

Dimensions Drawings

Dimensions



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

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Connections and Schema

Wiring Schemes

PNP

(\mathfrak{D})		BN/1		+
ß		BK/4	P	_
		BU/3		
BN :	Brown			

BU : Blue BK : Black

XUAH0515

Performance Curves

Detection Curves



Performance Curves

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



Recommended replacement(s)