Product data sheet
Characteristics

XUAJ0515
photo-electric sensor - XUA - diffuse - Sn 0.05m - 12..24VDC - cable 2m

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	Diffuse
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	6.56 ft (2 m)
Product specific application	-
Emission	Infrared diffuse
[Sn] nominal sensing distance	0.16 ft (0.05 m) diffuse

Complementary

Enclosure material	Nickel plated brass
Lens material	PMMA
Maximum sensing distance	0.20 ft (0.06 m)
Output type	Solid state
Add on output	Without
Cable composition	3 x 0.14 mm²
Wire insulation material	PvR
Cable outer diameter	0.14 in (3.5 mm)
Status LED	1 LED yellow)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	<= 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	0.31 in (8 mm)
Length	1.85 in (47 mm)
Net weight	0.03 lb(US) (0.015 kg)

Environment

Product certifications	CULus CE
Ambient air temperature for operation	-13…131 °F (-25…55 °C)
Ambient air temperature for storage	-22…158 °F (-30…70 °C)
Vibration resistance	7 gn +/- 1 mm 10…55 Hz) IEC 60068-2-6
Shock resistance	30 gn 11 ms) IEC 60068-2-27
IP degree of protection	IP65 IEC 60529

Packing Units

Package 1 Weight	0.21 lb(US) (0.093 kg)
Package 1 Height	0.400 dm
Package 1 width	1.400 dm
Package 1 Length	1.500 dm

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