



Main

Range of product	OsiSense XU
Series name	Application assembly
Specific application of photoelectric detector	Object
Sensor name	XUD

Complementary

Electronic sensor type	Photo-electric sensor
Sensor design	Fiber design
Enclosure material	PBT
Wiring technique	3-wire
Supply circuit type	DC
Type of output signal	Discrete
Output type	Solid state
Discrete output function	1 NO or 1 NC programmable
Discrete output type	NPN
Electrical connection	1 male connector M8, 4 pins
Cable material	PVC
Status LED	Stability: 1 LED (green) Output state: 1 LED (yellow)
[Us] rated supply voltage	12...24 V DC reverse polarity protection
Supply voltage limits	10.8...26.4 V DC
Current consumption	<= 50 mA no-load
Switching capacity in mA	<= 100 mA overload protection) <= 100 mA short-circuit protection)
Maximum voltage drop	<1 V closed)
Time delay range	0...40 s
Switching frequency	<= 1 kHz <= 5 kHz
Add on output	With alarm output, 50 mA overload protection With alarm output, 50 mA short-circuit protection
Maximum delay first up	120 ms

Maximum delay response	0.1 ms
Maximum delay recovery	0.1 ms
Product compatibility	Glass or plastic fibre optics 1 mm or 2.2 mm
Setting-up	Sensitivity adjustment with teach mode
Display type	4-digit
Lens material	PMMA
Depth	0.39 in (10 mm)
Height	2.56 in (65 mm)
Width	1.57 in (40 mm)
Net weight	0.09 lb(US) (0.04 kg)

Environment

Emission	Red
Interference protection	With
Product certifications	CULus CE
IP degree of protection	IP64 optic fiber Ø 1 mm IEC 529 IP65 optic fiber Ø 2 mm IEC 529
Ambient air temperature for operation	14...131 °F (-10...55 °C)
Ambient air temperature for storage	-22...158 °F (-30...70 °C)
Vibration resistance	+/-0.5 mm 10...55 Hz)IEC 60068-2-6 7 gn 10...55 Hz)IEC 60068-2-6
Shock resistance	30 gn 11 ms) IEC 60068-2-27

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	1.48 oz (42 g)
Package 1 Height	1.38 in (3.5 cm)
Package 1 width	3.15 in (8 cm)
Package 1 Length	3.15 in (8 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	45
Package 2 Weight	5.17 lb(US) (2.345 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

Offer Sustainability

REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes

Contractual warranty

Warranty	18 months
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