



Main

Range of product	OsiSense XU
Series name	Application packaging
Electronic sensor type	Photo-electric sensor
Product specific application	Luminescence
Sensor name	XU5
Sensor design	M18
Detection system	Diffuse
[Sn] nominal sensing distance	0.00...3.15 in (0...80 mm) in diffuse mode 0.79 in (20 mm) Ø 3 x 1 mm for colour mark reading
Material	Metal
Type of output signal	Discrete
Supply circuit type	DC
Wiring technique	3-wire
Discrete output type	PNP
Discrete output function	1 NO
Electrical connection	1 male connector M12, 4 pins
Emission	Ultra-violet (transmission frequency = 370 nm)

Complementary

Enclosure material	Nickel plated brass
Lens material	PMMA
Output type	Solid state
Output function governance	Light
Add on output	Without
Status LED	Output state 1 LED green)
[Us] rated supply voltage	12...24 V DC reverse polarity protection

Supply voltage limits	10...30 V DC
Switching capacity in mA	<= 100 mA reverse polarity, overload and short-circuit protection)
Switching frequency	<= 1000 Hz
Maximum voltage drop	<1.5 V closed state), PNP
Current consumption	<= 20 mA no-load
Time delay range	20 ms off-delay activation/deactivation by cabling method
Maximum delay first up	100 ms
Maximum delay response	0.5 ms
Maximum delay recovery	0.5 ms
Setting-up	Sensitivity adjustment with potentiometer
Diameter	0.71 in (18 mm)
Length	3.74 in (95 mm)
Net weight	0.17 lb(US) (0.075 kg)

Environment

Product certifications	CE UL CSA
Ambient air temperature for operation	-13...131 °F (-25...55 °C)
Ambient air temperature for storage	-40...158 °F (-40...70 °C)
Vibration resistance	7 gn +/- 0.6 mm 10...55 Hz) IEC 60068-2-6
Shock resistance	30 gn 11 ms) IEC 60068-2-27
IP degree of protection	IP67 IEC 60529

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	3.10 oz (88 g)
Package 1 Height	2.80 in (7.1 cm)
Package 1 width	3.78 in (9.6 cm)
Package 1 Length	1.69 in (4.3 cm)
Unit Type of Package 2	S01
Number of Units in Package 2	11
Package 2 Weight	2.63 lb(US) (1.193 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	5.91 in (15 cm)
Package 2 Length	15.75 in (40 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
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
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Contractual warranty

Warranty	18 months
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