

Main

Commercial Status	Commercialised
Range of product	OsiSense XU
Series name	Application
Electronic sensor type	Photo-electric sensor
Sensor name	XUY
Sensor design	Miniature
Detection system	Diffuse
Material	Plastic
Type of output signal	Discrete
Supply circuit type	DC
Wiring technique	4-wire
Discrete output type	PNP
Discrete output function	1 NO or 1 NC programmable
Electrical connection	1 male connector M8, 4 pins
Product specific application	Conveyor system and access control series
Emission	Red LED, pulsed
[Sn] nominal sensing distance	0.25 m diffuse with adjustable sensitivity 0.08 m diffuse with background suppression 4 m thru beam 1 m polarised reflex

Complementary

Enclosure material	ABS
Lens material	PMMA
Cover material	PUR
Pulse frequency	6 kHz
Output type	Solid state
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Supply voltage limits	10...30 V DC
Switching capacity in mA	100 mA (overload and short-circuit protection)
Switching frequency	500 Hz
Voltage drop	<= 1 V at 10 mA (closed state) < 2 V at 100 mA (closed state)
Current consumption	< 25 mA (no-load)
Delay response	1 ms
Product weight	0.044 kg

Environment

Product certifications	CE CULus
Ambient air temperature for operation	0...50 °C
Ambient air temperature for storage	-20...80 °C
IP degree of protection	IP67 conforming to IEC 60529 IP65 conforming to IEC 60529

Contractual warranty

Period	18 months
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