



Main

Range of product	OsiSense XU
Series name	Application, conveyor system and access control
Electronic sensor type	Photo-electric sensor
Sensor name	XUY
Sensor design	Compact
Detection system	Diffuse
Material	Plastic
Type of output signal	Discrete
Discrete output type	PNP and NPN
Discrete output function	1 NO or 1 NC programmable
Electrical connection	Screw terminal
Product specific application	Materials handling Detection of belt breakage Access control
Emission	Infrared
[Sn] nominal sensing distance	1.5 m

Complementary

Enclosure material	Polycarbonate
Output type	Solid state
Status LED	1 LED color: green for output status 1 LED color: red for alignment assistance 1 LED color: red for dirty optics 1 LED color: red for limit of detection 1 LED color: red for time delay 1 LED color: red for time function indicator
Supply voltage limits	10...30 V DC
Voltage state 0 guaranteed	< 1.4 V
Voltage state 1 guaranteed	> 3 V
Switching capacity in mA	100 mA (overload and short-circuit protection)
Switching frequency	> 1000 Hz
Maximum voltage drop	<2 V at 100 mA (closed state) <1 V at 10 mA (closed state)
Current consumption	50 mA no-load

Time delay range	0...10 s retriggerable delay for output circuit
Setting-up	Teach mode and/or fine manual adjustment
Net weight	0.13 kg

Environment

Product certifications	CE CULus
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-20...80 °C
Immunity to ambient light	10000 lux incandescent bulb at 5° of optical axis 20000 lux natural light at 5° to the optical axis
IP degree of protection	IP65 conforming to IEC 60529 IP67 conforming to IEC 60529

Offer Sustainability

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
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