



Main

Range of product	OsiSense XU
Series name	Application
Specific application of photoelectric detector	Detection of little marks and coloured tags Sorting out of coloured parts Detection of translucent coloured parts Quality control of lids colour or presence of labels Detection of coloured wires Detection of one to four colours
Sensor name	XUY
Sensor design	Fiber design

Complementary

Electronic sensor type	Photo-electric sensor
Material	Plastic
Enclosure material	Polycarbonate strong housing
Type of output signal	Discrete
Supply circuit type	DC
[Us] rated supply voltage	24 V DC with reverse polarity protection
Supply voltage limits	21.6...26.4 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	25 Hz 500 Hz
Maximum voltage drop	<2.2 V at 100 mA <0.5 V at 10 mA
Current consumption	120 mA no-load
Maximum delay response	1 ms for XUYFPCF. 20 ms for XUYFPCP.
Maximum delay recovery	1 ms XUYFPCF. 20 ms XUYFPCP.
Setting-up	Sensitivity adjustment with teach mode

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Environment

Product certifications	CE CULus
Ambient air temperature for operation	0...40 °C
Ambient air temperature for storage	-20...60 °C
Immunity to ambient light	3000 lux incandescent bulb 5000 lux natural light
IP degree of protection	IP65

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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