



Main

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

Complementary

Electronic sensor type	Photo-electric sensor
Material	Plastic
Enclosure material	Polycarbonate strong housing
Type of output signal	Discrete
Discrete output type	4 PNP/NPN
Electrical connection	2 male connectors M12, 4 pins
Cable length	2 m
Supply circuit type	DC
[Us] rated supply voltage	24 V DC with reverse polarity protection
Supply voltage limits	21.6...26.4 V DC
Switching frequency	25 Hz for XUYFPCF. 500 Hz for XUYFPCF.
Maximum voltage drop	<0.5 V at 10 mA at low level <2.2 V at 100 mA
Current consumption	120 mA no-load
Maximum delay response	1 ms for XUYFPCF. 20 ms for XUYFPCF.
Maximum delay recovery	1 ms XUYFPCF. 20 ms XUYFPCF.

Setting-up	Sensitivity adjustment with teach mode
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Environment

Product certifications	CULus CE
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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