



Main

Range of Product	Telemecanique Photoelectric sensors 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	6.56 ft (2 m)
Supply circuit type	DC
[Us] rated supply voltage	24 V DC reverse polarity protection
Supply voltage limits	21.6...26.4 V DC
Switching frequency	25 Hz XUYFPCF. 500 Hz XUYFPCF.
Maximum voltage drop	<0.5 V 10 mA at low level <2.2 V 100 mA
Current consumption	120 mA no-load
Maximum delay response	1 Ms XUYFPCF. 20 ms XUYFPCF.
Maximum delay recovery	1 Ms XUYFPCF. 20 ms XUYFPCF.
Setting-up	Sensitivity adjustment with teach mode

Environment

Product Certifications	CULus CE
Ambient Air Temperature for Operation	32...104 °F (0...40 °C)
Ambient Air Temperature for Storage	-4...140 °F (-20...60 °C)
Immunity to ambient light	3000 Lux incandescent bulb 5000 lux natural light
IP degree of protection	IP65

Ordering and shipping details

Category	22481-SENSORS, PHOTOELECTRIC
Discount Schedule	DS2
GTIN	3389119007290
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.85 in (4.7 cm)
Package 1 Width	4.37 in (11.1 cm)
Package 1 Length	6.38 in (16.2 cm)
Package 1 Weight	15.03 oz (426.0 g)
Unit Type of Package 2	S02
Number of Units in Package 2	12
Package 2 Height	5.91 in (15.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	12.30 lb(US) (5.581 kg)

Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
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

Contractual warranty

Warranty	18 months
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[XUYLC2004](#)