



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 XUYFPCP. 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 XUYFPCP.
Maximum delay recovery	1 Ms XUYFPCF. 20 ms XUYFPCP.
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

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Ordering and shipping details

Category	22481-SENSORS, PHOTOELECTRIC
Discount Schedule	DS2
GTIN	3389119007290
Nbr. of units in pkg.	1
Package weight(Lbs)	15.03 oz (426.0 g)
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
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)
Unit Type of Package 2	S02
Number of Units in Package 2	12
Package 2 Weight	12.30 lb(US) (5.581 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

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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