



Main

Range of Product	Telemecanique Photoelectric sensors XU
Series name	Application assembly
Specific application of photoelectric detector	Monitoring position or presence of parts on an assembly or packing machine Detection of reference and colour marks in packaging Detection of objects on small conveyor Use of fiber optics in vibratory environments (robot arms)
Sensor name	XUY
Sensor design	Fiber design
Emission	Red LED

Complementary

Electronic sensor type	Photo-electric sensor
Material	Plastic
Enclosure Material	Polycarbonate
Pulse frequency	8 kHz
Type of output signal	Discrete
Output Type	Solid state
Discrete output function	1 NO or 1 NC programmable
Discrete output type	PNP and NPN
Electrical connection	Cable
Supply circuit type	DC
[Us] rated supply voltage	12...24 V DC reverse polarity protection
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	< 1 kHz
Maximum voltage drop	<2 V (closed state)
Current consumption	<= 40 mA (no-load)
Maximum delay response	5 ms (plastic fibre optics 2.2 mm)
Maximum delay recovery	5 ms (plastic fibre optics 2.2 mm)
Setting-up	Sensitivity adjustment using +/- teach mode
Display Type	Bar graph
Net Weight	0.27 lb(US) (0.124 kg)

Environment

Product Certifications	CE cULus
Ambient Air Temperature for Operation	32...140 °F (0...60 °C)
Ambient Air Temperature for Storage	-4...176 °F (-20...80 °C)
Immunity to ambient light	10000 Lux (natural light) 20000 lux (incandescent bulb)
IP degree of protection	IP65 IEC 60529

Ordering and shipping details

Category	22481-SENSORS, PHOTOELECTRIC
Discount Schedule	DS2
GTIN	3389119010153
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.34 in (3.4 cm)
Package 1 Width	5.12 in (13.0 cm)
Package 1 Length	2.83 in (7.2 cm)
Package 1 Weight	4.23 oz (120.0 g)
Unit Type of Package 2	S01
Number of Units in Package 2	15
Package 2 Height	5.91 in (15.0 cm)
Package 2 Width	5.91 in (15.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	4.40 lb(US) (1.997 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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