

Photoelectric sensors XU, XUY, ampli for fibre,
plastic, 12...24 VDC, M8



Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	Application assembly
Specific application of photoelectric detector	Detection of objects on small conveyor Detection of reference and colour marks in packaging Monitoring position or presence of parts on an assembly or packing machine 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	1 male connector M8, 4 pins
Cable length	2 m
Supply circuit type	DC
[Us] rated supply voltage	12...24 V DC with 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 for 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	0.056 kg

Environment

Product certifications	CE[RETURN]cULus
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-20...80 °C
Immunity to ambient light	10000 Lux natural light 20000 lux incandescent bulb
IP degree of protection	IP65 conforming to IEC 60529

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.400 cm
Package 1 Width	7.000 cm
Package 1 Length	12.800 cm
Package 1 Weight	50.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	35
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	2.415 kg

Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Diisobutyl 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
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Contractual warranty

Warranty	18 months
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