



Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	Application assembly
Specific application of photoelectric detector	Object
Sensor name	XUD

Complementary

Electronic sensor type	Photo-electric sensor
Sensor design	Fiber design
Enclosure material	PBT
Wiring technique	3-wire
Supply circuit type	DC
Type of output signal	Discrete
Output type	Solid state
Discrete output function	1 NO or 1 NC programmable
Discrete output type	PNP
Electrical connection	1 male connector M8, 4 pins
Cable material	PVC
Status LED	Stability: 1 LED (green) Output state: 1 LED (yellow)
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Supply voltage limits	10.8...26.4 V DC
Current consumption	<= 50 mA no-load
Switching capacity in mA	<= 100 mA (overload protection) <= 100 mA (short-circuit protection)
Maximum voltage drop	<2 V (closed)
Time delay range	0...40 s
Switching frequency	<= 1 kHz <= 5 kHz
Add on output	With alarm output, 50 mA with overload protection With alarm output, 50 mA with short-circuit protection
Maximum delay first up	120 ms
Maximum delay response	0.1 ms
Maximum delay recovery	0.1 ms
Product compatibility	Glass or plastic fibre optics 1 mm or 2.2 mm
Setting-up	Sensitivity adjustment with teach mode
Display type	4-digit
Lens material	PMMA
Depth	10 mm
Height	65 mm
Width	40 mm
Net weight	0.04 kg

Environment

Emission	Red
Interference protection	With
Product certifications	CULus CE
IP degree of protection	IP64 optic fiber Ø 1 mm conforming to IEC 529 IP65 optic fiber Ø 2 mm conforming to IEC 529
Ambient air temperature for operation	-10...55 °C
Ambient air temperature for storage	-30...70 °C
Vibration resistance	+/-0.5 mm (f= 10...55 Hz) conforming to IEC 60068-2-6 7 gn (f= 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn (duration = 11 ms) conforming to IEC 60068-2-27

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	41 g
Package 1 Height	3.7 cm
Package 1 width	8.1 cm
Package 1 Length	8.2 cm
Unit Type of Package 2	S02
Number of Units in Package 2	45
Package 2 Weight	2.336 kg
Package 2 Height	15 cm
Package 2 width	30 cm
Package 2 Length	40 cm

Offer Sustainability

REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes

Contractual warranty

Warranty	18 months
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