

# XUDA1PSMM8

Photoelectric sensors XU, photoelectric sensor, XUD, M8, PVC, PNP, discrete solid state



## 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	Instability: 1 LED (red) 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)
Switching frequency	<= 1 kHz
Add on output	Without
Maximum delay first up	120 ms
Maximum delay response	0.5 ms
Maximum delay recovery	0.5 ms
Product compatibility	Glass or plastic fibre optics 1 mm or 2.2 mm
Setting-up	Sensitivity adjustment with teach mode
Lens material	PMMA
Depth	10 mm
Height	65 mm
Width	40 mm
Net weight	0.04 kg

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## Environment

Emission	Red
Interference protection	Without
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	40 g
Package 1 Height	4.1 cm
Package 1 width	8.2 cm
Package 1 Length	8.7 cm
Unit Type of Package 2	S02
Number of Units in Package 2	45
Package 2 Weight	2.246 kg
Package 2 Height	15 cm
Package 2 width	30 cm
Package 2 Length	40 cm

## Offer Sustainability

REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>

## Contractual warranty

Warranty	18 months
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