

XUDA1PSMM8

Photoelectric sensors XU, 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

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 TWSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Environment

Emission	Red
Interference protection	Without
Product certifications	cULus[RETURN]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 Height	4.100 cm
Package 1 Width	8.200 cm
Package 1 Length	8.700 cm
Package 1 Weight	38.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	45
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	2.084 kg

Offer Sustainability

Toxic heavy metal free	Yes
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
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Contractual warranty

Warranty	18 months
----------	-----------