



XUN8ANXNM12

Photoelectric sensors XU, Photo electric Sensor, Hybrid, BGS medium, Smax 0.3 m, NPN, Connector M12

COMMERCIALISED

Main

Range of product	Telemecanique Photoelectric sensors XU
Sensor name	XUN
Series name	General purpose single mode
Enclosure material	PC/PBT
Electronic sensor type	Photo-electric sensor
Sensor design	Compact 32 x 52
Electrical connection	1 male connector M12, 4 pins
Material	Plastic
Wiring technique	4 wires
Detection system	Diffuse with background suppression
Emission	Red LED diffuse with background suppression
Discrete output function	1 NO or 1 NC programmable
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Type of output signal	Discrete
Supply circuit type	DC
Discrete output type	NPN
Switching frequency	1000 Hz
Delay response	0.5 MILLISECOND

Complementary

Product certifications	CE UKCA RoHS cULus
Setting-up	Sensitivity by potentiometer

Current consumption	< 20 mA no load
Output type	Discrete
Switching capacity in mA	<= 100 mA (overload and short-circuit protection)
Lens material	PMMA
Status LED	1 LED (green) for supply on/stability, 1 LED (orange) for output state
Sensing range	0.01...0.3 m
Maximum voltage drop	<2 V (closed state)no-load
Delay first up	300 MILLISECOND
Delay recovery	0.5 MILLISECOND

Environment

Shock resistance	30 gn (duration = 11 ms) for every axis conforming to IEC 60068-2-27
IP degree of protection	IP67 conforming to IEC 60529, IP65 conforming to IEC 60529, IP69K conforming to DIN 40050-9
Vibration resistance	7 gn, amplitude = +/- 1.5 mm (f = 10-55 Hz)for every axis conforming to IEC 60068-2-6
NEMA degree of protection	NEMA 6

Packing Units

Unit type of package 1	PCE
Number of units in package 1	1
Package 1 height	1.8 CENTIMETER
Package 1 width	1.6 CENTIMETER
Package 1 length	4.4 CENTIMETER
Package 1 weight	14 GRAM

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

Updated: 24/07/2025

