



XUB8BPYNM12

Photoelectric sensors XU, Photo electric Sensor, Cylindrical, Metal, Diffuse BGS, Smax 0.3 m, IO-Link, Connector M12

COMMERCIALISED

Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	General purpose single mode
Electronic sensor type	Photo-electric sensor
Sensor name	XUB
Sensor design	Cylindrical M18
Detection system	Diffuse with background suppression
Material	Metal
Line of sight type	Axial
Type of output signal	Discrete
Supply circuit type	DC
Wiring technique	4 wires
[Sn] nominal sensing distance	0.3-0.3 m diffuse with background suppression
Discrete output type	PNP/NPN autodetect IOLINK
Discrete output function	1 NO or 1 NC programmable
Electrical connection	1 male connector M12, 4 pins
Emission	Red LED diffuse with background suppression

Complementary

Enclosure material	PC/PBT
Lens material	PMMA
Output type	Discrete
Status LED	1 LED (green) for supply on/stability, 1 LED (orange) for output state, 1 LED (orange) for receiver/output
[Us] rated supply voltage	12...24 V DC with reverse polarity protection

Switching capacity in mA	<= 100 mA (overload and short-circuit protection)
Switching frequency	1000 Hz
Maximum voltage drop	<2 V (closed state)no-load
Current consumption	< 30 mA no load
Delay first up	300 MILLISECOND
Delay response	0.5 MILLISECOND
Delay recovery	0.5 MILLISECOND
Setting-up	Sensitivity by potentiometer sensitivity by IO-Link

Environment

Vibration resistance	7 gn, amplitude = +/- 1.5 mm (f = 10-55 Hz)for every axis conforming to IEC 60068-2-6
Shock resistance	30 gn (duration = 11 ms) for 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

Packing Units

Unit type of package 1	PCE
Number of units in package 1	1
Package 1 height	4.2 CENTIMETER
Package 1 width	9.6 CENTIMETER
Package 1 length	6.6 CENTIMETER
Package 1 weight	60 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