



# XUB8ANXWM12

Photoelectric sensors XU, Photo electric Sensor, Cylindrical, Plastic, Angled, Diffuse  
BGS, Smax 0.2 m, NPN, 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                      | Plastic                                         |
| Line of sight type            | 90° lateral                                     |
| Type of output signal         | Discrete                                        |
| Supply circuit type           | DC                                              |
| Wiring technique              | 4 wires                                         |
| [Sn] nominal sensing distance | 0.15–0.15 m diffuse with background suppression |
| Discrete output type          | NPN                                             |
| 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 |
| [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  | < 20 mA no load              |
| Delay first up       | 300 MILLISECOND              |
| Delay response       | 0.5 MILLISECOND              |
| Delay recovery       | 0.5 MILLISECOND              |
| Setting-up           | Sensitivity by potentiometer |

## 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        |

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