Product datasheet

Specifications

Green Premium™

photo-electric sensor - XUB - reflex - Sn 4m - 12..24VDC - M12

XUB1BPBNM12

XUB1BPBNM12 has not been replaced. Please contact your customer care centre for more information.

⊘ Discontinued

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	Reflex
Material	Metal
Line of sight type	Axial
Type of output signal	Discrete
Supply circuit type	DC
Wiring technique	3-wire
Discrete output type	PNP
Discrete output function	1 NC
Electrical connection	1 male connector M12, 4 pins
Product specific application	-
Emission	Infrared reflex
[Sn] nominal sensing distance	4 m reflex need reflector XUZC50

Complementary

Enclosure material	Nickel plated brass
Lens material	PMMA
Maximum sensing distance	5.5 m reflex
Output type	Solid state
Add on output	Without
Wire insulation material	PvR
Status LED	1 LED (yellow) for output state
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Supply voltage limits	10…36 V DC

Switching capacity in mA	<= 100 mA (overload and short-circuit protection)
Switching frequency	<= 500 Hz
Maximum voltage drop	<1.5 V (closed state)
Current consumption	35 mA no-load
Maximum delay first up	15 ms
Maximum delay response	1 ms
Maximum delay recovery	1 ms
Setting-up	Without sensitivity adjustment
Diameter	18 mm
Length	62 mm
Net weight	0.05 kg

Environment

Product certifications	UL CE CSA
Ambient air temperature for operation	-25…55 °C
Ambient air temperature for storage	-40…70 °C
Vibration resistance	7 gn, amplitude = +/- 1.5 mm (f = 10…55 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn (duration = 11 ms) conforming to IEC 60068-2-27
IP degree of protection	IP67 double insulation conforming to IEC 60529 IP65 double insulation conforming to IEC 60529 IP69K double insulation conforming to DIN 40050

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	52.0 g
Package 1 Height	4 cm
Package 1 width	6.5 cm
Package 1 Length	9.5 cm
Unit Type of Package 2	S01
Number of Units in Package 2	22
Package 2 Weight	1.358 kg
Package 2 Height	15 cm
Package 2 width	15 cm
Package 2 Length	40 cm

## Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes

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Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Contractual warranty

Warranty	18 months

XUB1BPBNM12

Dimensions

mm
in.

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28
1.10
60
2.36
```

XUB1BPBNM12
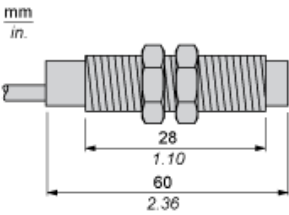
Wiring Schemes
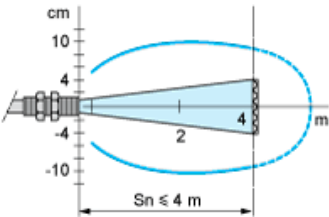
M12 Connector

1 : (+)
3 : (-)
4 : OUT/Output
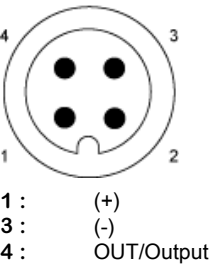
PNP Outputs
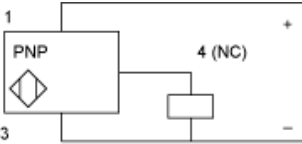
Detection Curves

With reflector XUZC50