

Product data sheet

Specifications

photo-electric sensor - XUB - diffuse
- Sn 0.1m - 12..24VDC - cable 5m



XUB4BNBNL5

⚠ 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	Diffuse
Material	Metal
Line of sight type	Axial
Type of output signal	Discrete
Supply circuit type	DC
Wiring technique	3-wire
Discrete output type	NPN
Discrete output function	1 NC
Electrical connection	Cable
Cable length	5 m
Product specific application	-
Emission	Infrared diffuse
[Sn] nominal sensing distance	0.1 m diffuse

Complementary

Enclosure material	Nickel plated brass
Lens material	PMMA
Maximum sensing distance	0.15 m diffuse
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

Environment

Product certifications	CE UL 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

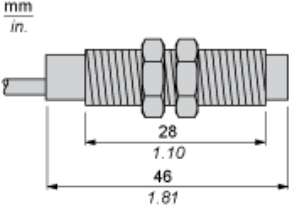
Packing Units

Package 1 Weight	0.223 kg
Package 1 Height	1.300 dm
Package 1 width	0.660 dm
Package 1 Length	0.950 dm

Contractual warranty

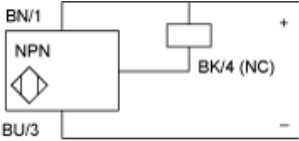
Warranty	18 months
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Dimensions



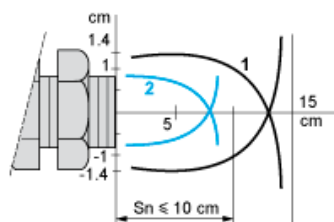
Wiring Schemes

NPN Outputs



- BN :** Brown
- BU :** Blue
- BK :** Black

Detection Curves



1 : White 90%

2 : Grey 18%

Object 10 x 10 cm

Recommended replacement(s)

XUB4BNBNL5 is replaced by the following group of products:

1x



Photoelectric sensors XU, XUB, diffuse, Sn 0.1 m, 12...24 VDC, M12
XUB4BNBNM12

1x



Pre wired connectors XZ, elbowed female, M12, 4 pins, cable PUR 5 m
XZCP1241L5