

Product data sheet

Specifications



photo-electric sensor - XUB - diffuse
- 90° - Sn 0.1m - 12..24VDC - cable
2m

XUB4BNBWL2

⚠ 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	90° lateral
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	6.56 ft (2 m)
Product Specific Application	-
Emission	Infrared diffuse
[Sn] nominal sensing distance	0.33 ft (0.1 m) diffuse

Complementary

Enclosure Material	Nickel Plated Brass
Lens material	PMMA
Maximum sensing distance	0.49 ft (0.15 m) diffuse
Output Type	Solid state
Add on output	Without
Wire insulation material	PvR
Status LED	1 LED yellow)output state

Disclaimer: 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

[Us] rated supply voltage	12...24 V DC 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	0.71 in (18 mm)
Length	2.99 in (76 mm)
Net Weight	0.11 lb(US) (0.05 kg)

Environment

Product Certifications	UL CSA CE
Ambient air temperature for operation	-13...131 °F (-25...55 °C)
Ambient Air Temperature for Storage	-40...158 °F (-40...70 °C)
Vibration resistance	7 gn +/- 1.5 mm 10...55 Hz) IEC 60068-2-6
Shock resistance	30 gn 11 ms) IEC 60068-2-27
IP degree of protection	IP67 double insulation IEC 60529 IP65 double insulation IEC 60529

Ordering and shipping details

Discount Schedule	DS2
GTIN	03389110155471
Package weight(Lbs)	0.31 lb(US) (0.142 kg)
Returnability	No
Country of origin	US

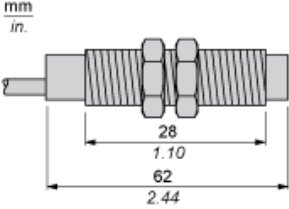
Packing Units

Package 1 Height	1.300 dm
Package 1 width	0.410 dm
Package 1 Length	0.950 dm

Contractual warranty

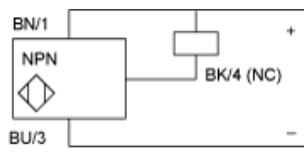
Warranty	18 months
-----------------	-----------

Dimensions



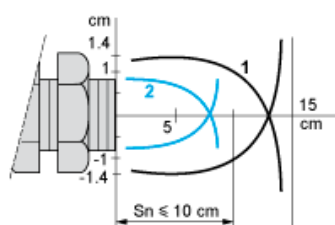
Wiring Schemes

NPN Outputs



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

Detection Curves



1 : White 90%
2 : Grey 18%

Object 10 x 10 cm

Recommended replacement(s)

XUB4BNBWL2 is replaced by:

1x



Photoelectric sensors XU, XUB, diffuse, 90°, Sn 0.1 m, 12...24 VDC, M12
XUB4BNBWM12
