

XUB5BNBWM12

photo-electric sensor - XUB - diffuse - 90° - Sn
0.6m - 12..24VDC - M12

Product availability: Non-Stock - Not normally stocked in distribution facility



Main

Range of product	OsiSense 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	1 male connector M12, 4 pins
Product specific application	-
Emission	Infrared diffuse
[Sn] nominal sensing distance	1.97 ft (0.6 m) diffuse

Complementary

Enclosure material	Nickel plated brass
Lens material	PMMA
Maximum sensing distance	2.62 ft (0.8 m) diffuse
Output type	Solid state
Add on output	Without
Wire insulation material	PvR
Status LED	1 LED (yellow) output state
[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
Voltage drop	1.5 V (closed state)
Current consumption	35 mA (no-load)
Delay first up	< 15 ms
Delay response	< 1 ms
Delay recovery	< 1 ms
Setting-up	Sensitivity adjustment
Diameter	0.71 in (18 mm)
Length	2.44 in (62 mm)

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Environment

Product certifications	UL CE CSA
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, 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	IP65 double insulation conforming to IEC 60529 IP67 double insulation conforming to IEC 60529 IP69K double insulation conforming to DIN 40050

Ordering and shipping details

Category	22415 - SENSORS, PHOTOELECTRIC, BASIC
Discount Schedule	DS2
GTIN	00785901700173
Nbr. of units in pkg.	1
Package weight(Lbs)	0.14000000000000001
Returnability	N
Country of origin	ID

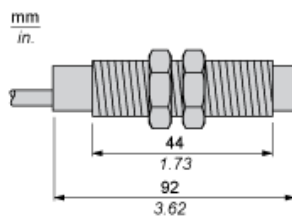
Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 0847 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
California proposition 65	WARNING: This product can expose you to chemicals including:
- - - - - Substance 1	Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and
- - - - - Substance 2	Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
- - - - - More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months
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Dimensions



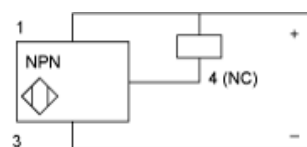
Wiring Schemes

M12 Connector

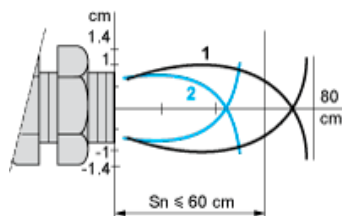


- 1 : (+)
- 3 : (-)
- 4 : OUT/Output

NPN Outputs



Detection Curves



1 : White 90%

2 : Grey 18%

Object 10 x 10 cm

Mouser Electronics

Authorized Distributor

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[XUB5BNBWM12](#)