Product data sheet Characteristics

XUB5BPBNM12

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





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	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 diffuse
[Sn] nominal sensing distance	1.97 ft (0.6 m) diffuse

Complementary

Complementary		
Enclosure material	Nickel Plated Brass	
Lens material	РММА	
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	1224 V DC reverse polarity protection	
Supply voltage limits	1036 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	Sensitivity adjustment	
Diameter	0.71 in (18 mm)	
Length	3.07 in (78 mm)	
Net Weight	0.12 lb(US) (0.055 kg)	

Environment

Product certifications	UL CE CSA
Ambient air temperature for operation	-13131 °F (-2555 °C)
Ambient air temperature for storage	-40158 °F (-4070 °C)
Vibration resistance	7 gn +/- 1.5 mm 1055 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 IP69K double insulation DIN 40050

Ordering and shipping details

Category	22415 - SENSORS, PHOTOELECTRIC, BASIC
Discount Schedule	DS2
GTIN	00785901466338
Nbr. of units in pkg.	1
Package weight(Lbs)	0.14 lb(US) (0.06 kg)
Returnability	No
Country of origin	ID

Packing Units

r doking office	
Unit Type of Package 1	PCE
Package 1 Height	1.65 in (4.2 cm)
Package 1 width	2.64 in (6.7 cm)
Package 1 Length	3.78 in (9.6 cm)
Unit Type of Package 2	S01
Number of Units in Package 2	22
Package 2 Weight	3.56 lb(US) (1.617 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	5.91 in (15 cm)
Package 2 Length	15.75 in (40 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACh Regulation	☑ REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EV EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	₫Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	[™] End Of Life Information

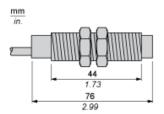
Contractual warranty

Warranty 18 months	

Product data sheet Dimensions Drawings

XUB5BPBNM12

Dimensions

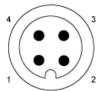


Product data sheet Connections and Schema

XUB5BPBNM12

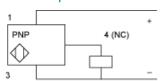
Wiring Schemes

M12 Connector



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

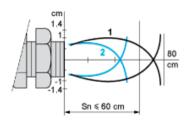
PNP Outputs



Product data sheet Performance Curves

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Detection Curves



1: White 90% 2: Grey 18% Object 10 x 10 cm