Product data sheet
Characteristics

XUB2APANM12R
photo-electric sensor - XUB - receiver - Sn 15m - 12..24VDC - M12

Green Premium™ Product

Main

Range of product	OsiSense XU
Series name	General purpose single mode
Electronic sensor type	Photo-electric sensor receiver
Sensor name	XUB
Sensor design	Cylindrical M18
Detection system	Thru beam
Material	Plastic
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 NO
Electrical connection	1 male connector M12, 4 pins
Product specific application	-
Emission	Infrared thru beam
[Sn] nominal sensing distance	49.21 Ft (15 m) thru beam need a transmitter XUB2AKSNM12T

Complementary

Enclosure material	PBT
Lens material	PMMA
Maximum sensing distance	65.62 Ft (20 m) thru beam
Output type	Solid state
Add on output	Without
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
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	2.36 In (60 mm)
Net weight	0.09 Lb(US) (0.04 kg)

Environment

Product certifications	CSA UL 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	IP65 double insulation IEC 60529 IP67 double insulation 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	1.16 Oz (33 g)
Package 1 Height	1.65 In (4.2 cm)
Package 1 width	2.56 In (6.5 cm)
Package 1 Length	3.78 In (9.6 cm)
Package 2 Weight	34.96 Oz (991 g)

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
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information

Contractual warranty

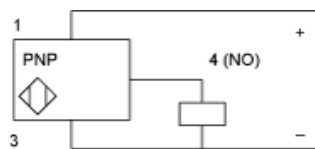| Warranty	18 months

Dimensions

mm
in.

28
1.10

60
2.36
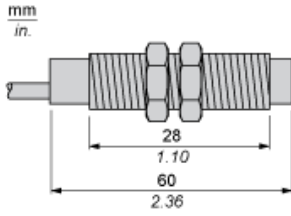
Wiring Schemes

M12 Connector

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

PNP Outputs

Schneider Electric

Detection Curves
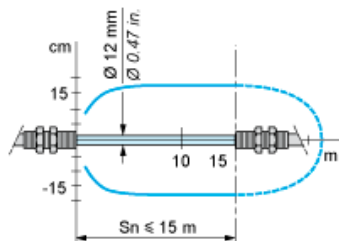
Product Life Status :	Commercialised

XUB2APANM12R may be replaced by any of the following products:

XUB0APSNM12

photo-electric sensor - XUB - multi - Sn 0..20m - 12..24VDC - M12

Qty 1

Reason for Substitution: End of life | Substitution date: 17 Feb 2004 |

XUB0APSNM12

photo-electric sensor - XUB - multi - Sn 0..20m - 12..24VDC - M12

Qty 1

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XUB0APSNM12

photo-electric sensor - XUB - multi - Sn 0..20m - 12..24VDC - M12

Qty 1

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