

XUBLAPCNM12

photo-electric sensor - XUB - thru beam - laser
- Sn 100m - 12..24VDC - M12

Main

Commercial Status	Commercialised
Range of product	OsiSense XU
Series name	Application material handling
Electronic sensor type	Photo-electric sensor
Sensor name	XUB
Sensor design	Cylindrical M18
Detection system	Thru beam
Material	Plastic
Type of output signal	Discrete
Supply circuit type	DC
Wiring technique	3-wire
Discrete output type	PNP
Discrete output function	1 NO or 1 NC programmable
Electrical connection	1 male connector M12
Emission	Red laser, wavelength: 670 nm (class 1) conforming to IEC 825-1
[Sn] nominal sensing distance	100 m

Complementary

Enclosure material	PBT
Lens material	PMMA
Blind zone	0 mm
Output type	Solid state
Status LED	1 LED (yellow) for output state and alignment aid 1 LED (red) for stability 1 LED (green) for supply on and teaching
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Supply voltage limits	10...30 V DC
Switching capacity in mA	<= 100 mA (overload and short-circuit protection)
Switching frequency	1500 Hz
Voltage drop	<= 1.5 V (closed state)
Current consumption	25 mA (no-load)
Power consumption in W	< 1 W
Delay first up	< 80 ms
Delay response	< 0.4 ms
Delay recovery	< 0.4 ms
Setting-up	With sensitivity adjustment
Product weight	0.078 kg
Kit composition	Transmitter + receiver XUBLAKCNM12T + XUBLAPCNM12R

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Environment

Product certifications	CE CSA UL
Ambient air temperature for operation	-40...70 °C
Ambient air temperature for storage	-10...45 °C
Vibration resistance	7 gn, amplitude = +/- 0.75 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

RoHS compliance

RoHS EUR status	Compliant
RoHS EUR conformity date(Y Y W W)	0901

Contractual warranty

Period	18 months
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