Product data sheet
Characteristics

XUB2APXNM12R
Photoelectric sensors XU, Photo electric sensor, Cylindrical, Plastic, Thru-beam, Receiver, Smax 30m, PNP, Connector M12

Main

Range of product	Telemecanique Photoelectric sensors 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	90° lateral
Type of output signal	Discrete
Supply circuit type	DC
Wiring technique	4 wires
Discrete output type	PNP
Discrete output function	1 NO or 1 NC programmable
Electrical connection	1 male connector M12, 4 pins
Emission	Red LED thru beam
[Sn] nominal sensing distance	20 m thru beam need a transmitter XUB2AKXNM12T

Complementary

Enclosure material	PC/PBT
Lens material	PMMA
Maximum sensing distance	30 m thru beam
Output type	Discrete
Status LED	1 LED (green) for supply on/stability 1 LED (orange) for output state
[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	<= 1000 Hz
Maximum voltage drop	<2 V (closed state)no-load
Current consumption	< 20 mA no load
Maximum delay first up	100 ms
Maximum delay response	0.5 ms
Maximum delay recovery	0.5 ms
Setting-up	Sensitivity by potentiometer
Diameter	18 mm
Length	44 mm
Net weight	0.03 kg

Environment

Product certifications	CE[RETURN]cULus[RETURN]UKCA[RETURN]RoHS
Ambient air temperature for operation	-30…55 °C
Ambient air temperature for storage	-40…70 °C
Relative humidity	35…95 %
Immunity to ambient light	40000 Lux sunlight 10000 lux incandescent light

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Vibration resistance	7 gn, amplitude = +/- 1.5 mm (f = 10…55 Hz)for every axis conforming to IEC 60068-2-6
Shock resistance	30 gn (duration = 11 ms) for for every axis conforming to IEC 60068-2-27
IP degree of protection	IP67 conforming to IEC 60529 IP65 conforming to IEC 60529 IP69K conforming to DIN 40050-9

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.8 cm
Package 1 Width	1.6 cm
Package 1 Length	4.4 cm
Package 1 Weight	40 g
Unit Type of Package 2	S02
Number of Units in Package 2	48
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	2.235 kg
Unit Type of Package 3	P06
Number of Units in Package 3	768
Package 3 Height	70 cm
Package 3 Width	60 cm
Package 3 Length	80 cm
Package 3 Weight	44.26 kg

Offer Sustainability

Take-back	No
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com