XUB0APSNL2

photo-electric sensor - XUB - multi - Sn 0..20m - 12..24VDC - cable 2m

Main	
Commercial Status	Commercialised
Range of product	OsiSense XU
Series name	General purpose multimode
Electronic sensor type	Photo-electric sensor
Sensor name	XUB
Sensor design	Cylindrical M18
Detection system	Multimode
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 or 1 NC programmable
Electrical connection	Cable
Cable length	2 m
Product specific application	-
Emission	Red polarised reflex Infrared thru beam Infrared diffuse with background suppression Infrared diffuse
[Sn] nominal sensing distance	20 m thru beam need a transmitter XUB0AKSNL2T 3 m polarised reflex need reflector XUZC50

0.3 m diffuse

0.12 m diffuse with background suppression

Complementary

30 m thru beam 0.4 m diffuse 0.12 m diffuse with background suppression Output type Solid state	Complementary	
Maximum sensing distance 4.5 m polarised reflex 30 m thru beam 0.4 m diffuse 0.12 m diffuse with background suppression Output type Solid state Add on output Without Wire insulation material PvR Status LED 1 LED (yellow) for output state 1 LED (red) for instability 1 LED (green) for supply [Us] rated supply voltage 1224 V DC with reverse polarity protection Supply voltage limits 1036 V DC Switching capacity in mA <= 100 mA (overload and short-circuit protection) Switching frequency <= 250 Hz Voltage drop 1.5 V (closed state) Current consumption 35 mA (no-load) Delay first up < 200 ms Delay response < 2 ms Self-teaching	Enclosure material	PBT
Output typeSolid stateAdd on outputWithoutWire insulation materialPvRStatus LED1 LED (yellow) for output state 1 LED (green) for supply[Us] rated supply voltage1224 V DC with reverse polarity protectionSupply voltage limits1036 V DCSwitching capacity in mA<= 100 mA (overload and short-circuit protection)	Lens material	РММА
Add on output Wire insulation material PvR Status LED Status Pove Status Status Pvo Cwither reverse polarity protection Supply voltage limits Status Pvo Cwith reverse polarity protection Supply voltage limits Status Pvo Cwith reverse polarity protection Switching capacity in mA Status Pvo Cwith reverse polarity protection Switching frequency Status Volt Reverse polarity protection Supply voltage Imits Status Pvo Cwith reverse polarity protection Supply voltage Imits Status Pvo Cwith reverse polarity state Status Status Status LED St	Maximum sensing distance	30 m thru beam 0.4 m diffuse
Wire insulation material Status LED \$\text{1 LED (yellow) for output state} \\ \$1 LED (green) for supply [Us] rated supply voltage \$\text{1 LED (green) for supply}\$ [Us] rated supply voltage \$\text{1 LED (green) for supply}\$ \$\text{1 LED (green) for supply}\$ \$\text{2 LED (green) for supply}\$ \$\text{2 LED (green) for supply}\$ \$\text{2 LED (green) for supply}\$ \$\text{3 LED (green) for supply}\$ \$\text{4 DC with reverse polarity protection}\$ \$\text{3 LED (green) for supply}\$ \$\text{4 LED (green) for supply}\$ \$\text{4 DC with reverse polarity protection}\$ \$\text{3 LED (green) for supply}\$ \$\text{4 LED (green) for supply}\$ \$\text{4 LED (green) for output state} \text{3 LED (green) for supply}\$ \$\text{4 LED (green) for supply}\$ \$\text{4 DC with reverse polarity protection}\$ \$\text{4 LED (green) for supply}\$ \$\text{4 DC with reverse polarity protection}\$ \$\text{4 LED (green) for supply}\$ \$\text{4 LED (green) for instability for supply}\$ \$\text{4 LED (green) for instability for supply}\$ \$\text{4 LED (green) for instability for supply}\$ \$\text{4 LED (green) for supply}\$ \$4 LED (green) for supply	Output type	Solid state
Status LED 1 LED (yellow) for output state 1 LED (red) for instability 1 LED (green) for supply [Us] rated supply voltage 1224 V DC with reverse polarity protection Supply voltage limits 1036 V DC Switching capacity in mA <= 100 mA (overload and short-circuit protection) Switching frequency <= 250 Hz Voltage drop 1.5 V (closed state) Current consumption 35 mA (no-load) Delay first up <= 200 ms Delay response <= 2 ms Self-teaching Self-teaching	Add on output	Without
1 LED (red) for instability 1 LED (green) for supply [Us] rated supply voltage 1224 V DC with reverse polarity protection Supply voltage limits 1036 V DC Switching capacity in mA <= 100 mA (overload and short-circuit protection) Switching frequency <= 250 Hz Voltage drop 1.5 V (closed state) Current consumption 35 mA (no-load) Delay first up <= 200 ms Delay response <= 2 ms Delay recovery <= 2 ms Setting-up Self-teaching	Wire insulation material	PvR
Supply voltage limits 1036 V DC Switching capacity in mA <= 100 mA (overload and short-circuit protection) Switching frequency <= 250 Hz Voltage drop 1.5 V (closed state) Current consumption 35 mA (no-load) Delay first up <200 ms Delay response <2 ms Delay recovery <2 ms Setting-up Self-teaching	Status LED	1 LED (red) for instability
Switching capacity in mA <= 100 mA (overload and short-circuit protection) Switching frequency <= 250 Hz Voltage drop 1.5 V (closed state) Current consumption 35 mA (no-load) Delay first up <200 ms Delay response <2 ms Delay recovery <2 ms Setting-up Self-teaching	[Us] rated supply voltage	1224 V DC with reverse polarity protection
Switching frequency<= 250 Hz	Supply voltage limits	1036 V DC
Voltage drop 1.5 V (closed state) Current consumption 35 mA (no-load) Delay first up < 200 ms Delay response < 2 ms Delay recovery < 2 ms Setting-up Self-teaching	Switching capacity in mA	<= 100 mA (overload and short-circuit protection)
Current consumption35 mA (no-load)Delay first up< 200 ms	Switching frequency	<= 250 Hz
Delay first up< 200 msDelay response< 2 ms	Voltage drop	1.5 V (closed state)
Delay response < 2 ms Delay recovery < 2 ms Setting-up Self-teaching	Current consumption	35 mA (no-load)
Delay recovery < 2 ms Setting-up Self-teaching	Delay first up	< 200 ms
Setting-up Self-teaching	Delay response	< 2 ms
	Delay recovery	< 2 ms
Diameter 18 mm	Setting-up	Self-teaching
	Diameter	18 mm

Length	64 mm	
Product weight	0.095 kg	
Environment		
Product certifications	CE CSA UL	
Ambient air temperature for operation	-2555 °C	
Ambient air temperature for storage	-4070 °C	
Vibration resistance	7 gn, amplitude = +/- 1.5 mm (f = 1055 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 IP65 double insulation conforming to IEC 60529	
RoHS compliance		
RoHS EUR status	Compliant	
RoHS EUR conformity date(YYWW)	0814	

18 months



Period