



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	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 NO or 1 NC programmable
Electrical connection	1 male connector M12, 4 pins
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 XUB0BKSNM12T 3 m polarised reflex need reflector XUZC50 0.3 m diffuse 0.12 m diffuse with background suppression

Complementary

Enclosure material	Nickel plated brass
Lens material	PMMA
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
Status LED	1 LED (yellow) for output state 1 LED (red) for instability 1 LED (green) for supply
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Supply voltage limits	10...36 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

Diameter	18 mm
Length	78 mm
Product weight	0.055 kg

Environment

Product certifications	CE CSA UL
Ambient air temperature for operation	-25...55 °C
Ambient air temperature for storage	-40...70 °C
Vibration resistance	7 gn, amplitude = +/- 1.5 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	IP69K double insulation conforming to DIN 40050 IP67 double insulation conforming to IEC 60529 IP65 double insulation conforming to IEC 60529

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS	Compliant - since 0814 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available  Download Product Environmental
Product end of life instructions	Available  Download End Of Life Manual