



Main

Commercial Status	Commercialised
Range of product	OsiSense XU
Series name	General purpose multimode
Electronic sensor type	Photo-electric sensor
Sensor name	XUM
Sensor design	Miniature
Detection system	Multimode
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 M8, 4 pins
Product specific application	-
Emission	Red polarised reflex Infrared thru beam Infrared diffuse with background suppression Infrared diffuse
[Sn] nominal sensing distance	10 m thru beam need a transmitter XUM0AKSAM8T 3 m polarised reflex need reflector XUZC50 0.4 m diffuse 0.1 m diffuse with background suppression

Complementary

Enclosure material	PBT
Lens material	PMMA
Maximum sensing distance	0.55 m diffuse 0.1 m diffuse with background suppression 4 m polarised reflex 14 m thru beam
Output type	Solid state
Add on output	With alarm output, 50 mA
Wire insulation material	PVC
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
Switching capacity in mA	<= 100 mA (overload and short-circuit protection)
Switching frequency	<= 250 Hz 240 Hz
Voltage drop	1.5 V (closed state)
Current consumption	35 mA (no-load)
Delay first up	< 100 ms
Delay response	< 2 ms
Delay recovery	< 2 ms
Setting-up	Self-teaching
Depth	20 mm

Height	45 mm
Width	12 mm
Product weight	0.035 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	IP67 conforming to IEC 60529 IP65 conforming to IEC 60529

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS	Compliant - since 0841 - 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