

XUM0APSAM8

photoelectric sensor - universal - Sn 0..10 m -
NO or NC - M8 connector



Main

Range of product	OsiSense XU
Series name	Universal
Specific application of photoelectric detector	Object
Sensor name	XUM
Sensor design	Miniature
Material	Plastic
Detection system	Diffuse Diffuse with background suppression Polarised reflex Thru beam
Emission	Infrared diffuse Infrared diffuse with background suppression Infrared thru beam Red polarised reflex
[Sn] nominal sensing distance	0,1 m diffuse with background suppression 0,4 m diffuse 3 m polarised reflex 10 m thru beam
Wiring technique	3 wires
Type of output signal	Discrete
Discrete output function	1 NO or 1 NC programmable
Discrete output type	PNP
Add on output	With alarm output 50 mA
Electrical connection	1 male connector M8 4 pins
Wire insulation material	PVC
[Us] rated supply voltage	12...24 V DC reverse polarity protection
Switching capacity in mA	≤ 100 mA overload and short-circuit protection

Complementary

Electronic sensor type	Photo-electric sensor
Enclosure material	PBT
Lens material	PMMA
Maximum sensing distance	0,1 m diffuse with background suppression 0,55 m diffuse 4 m polarised reflex 14 m thru beam
Output type	Solid state
Status LED	1 LED yellow output state 1 LED green supply 1 LED red instability
Supply circuit type	DC
Supply voltage limits	10...36 V DC
Switching frequency	240 Hz ≤ 250 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	12 mm
Height	34 mm 45 mm
Width	20 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 +/- 1.5 mm 10...55 Hz IEC 60068-2-6
Shock resistance	30 gn 11 ms IEC 60068-2-27
IP degree of protection	IP65 IEC 60529 IP67 IEC 60529
RoHS EUR conformity date	0841
RoHS EUR status	Compliant