

XUK0AKSAM12

photoelectric sensor - universal - Sn 0..30 m -
NO or NC - M12 connector



Main

Range of product	OsiSense XU
Series name	Universal
Specific application of photoelectric detector	Object
Sensor name	XUK
Sensor design	Compact 50 x 50
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	0,28 m diffuse with background suppression 0,8 m diffuse 4 m polarised reflex 30 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 or NPN
Add on output	With alarm output \leq 50 mA overload and short-circuit protection
Electrical connection	1 male connector M12 4 pins
[Us] rated supply voltage	12...24 V DC reverse polarity protection
Switching capacity in mA	\leq 100 mA overload and short-circuit protection

Complementary

Electronic sensor type	Photo-electric sensor
Enclosure material	PBT
Lens material	PMMA
Maximum sensing distance	0,28 m diffuse with background suppression 1,2 m diffuse 5,7 m polarised reflex 35 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	\leq 250 Hz
Voltage drop	\leq 1,5 V closed state
Current consumption	\leq 35 mA no-load
Delay first up	$<$ 300 ms
Delay response	$<$ 2 ms
Delay recovery	$<$ 2 ms
Setting-up	Self-teaching
Depth	18 mm

Height	50 mm
Width	50 mm
Product weight	0,09 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 double insulation IEC 60529
RoHS EUR conformity date	0903
RoHS EUR status	Compliant