Product data sheet
Characteristics

XUK9LAPSMM12
photo-electric laser sensor - XUK - polarised reflex - Sn 14m - 10..30VDC - M12

Main

Range of product	OsiSense XU
Series name	Application assembly Application material handling
Electronic sensor type	Photo-electric sensor
Sensor name	XUK
Sensor design	Compact 50 x 50
Detection system	Polarised reflex
Material	Plastic
Type of output signal	Discrete
Supply circuit type	DC
Wiring technique	4-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 laser polarised reflex (class 1)
[Sn] nominal sensing distance	12 m polarised reflex need reflector XUZC50HP

Complementary

Enclosure material	ABS/PC
Lens material	PMMA
Maximum sensing distance	14 m polarised reflex need reflector XUZC50HP
Output type	Solid state
Add on output	External teach validation
Add on input	Test by emission breaking
Status LED	1 LED (yellow) for output state 1 LED (green/yellow) for supply on/output state
[Us] rated supply voltage	24 V DC with reverse polarity protection
Supply voltage limits	10...30 V DC
Switching capacity in mA	<= 100 mA (overload and short-circuit protection)
Switching frequency	<= 2000 Hz
Voltage drop	<= 2 V
Current consumption	<= 60 mA (no-load)
Delay first up	< 300 ms
Delay response	< 2 ms
Delay recovery	< 2 ms
Setting-up	Using teach button or remote teaching
Depth	50 mm
Height	50 mm
Width	18 mm
Product weight	0.035 kg

Environment

Product certifications	CE CULus Ecolab
Ambient air temperature for operation	-20...50 °C, UL certified -20...60 °C discrete output
Ambient air temperature for storage	-20...80 °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 IP69K conforming to DIN 40050

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Will not be Compliant

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Sensors