Product Datasheet

Characteristic

XUK8TAE2MM12

photo-electric sensor - XUK - diffuse Sn 5m 1output auto PNP/NPN 1output 4. 20mA

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Main

range of product	OsiSense XU
series name	general purpose
electronic sensor type	photo-electric sensor
sensor name	XUK
sensor design	compact 50 x 50
detection system	diffuse distance sensor
material	plastic
type of output signal	analogue + discrete
wiring technique	5-wire
discrete output type	PNP or NPN auto-sensing
discrete output function	1 NO or 1 NC programmable
analogue output range	4...20 mA
electrical connection	1 male connector M12, 5 pins
product specific application	distance measurement on object
emission	red laser diffuse distance sensor (class 1) conforming to IEC 60825-1
[Sn] nominal sensing distance	5 m diffuse distance sensor

Complementary

enclosure material	ABS/PC
lens material	PMMA
maximum sensing distance	5 m diffuse distance sensor
output type	solid state
add on input	external teach
status LED	1 LED (yellow) output state 1 LED (green/yellow) supply on/output state
[Us] rated supply voltage	24 V DC with reverse polarity protection
supply voltage limits	18...30 V DC
switching capacity in mA	<= 100 mA (overload and short-circuit protection)
switching frequency	<= 500 Hz
voltage drop	<= 2 V
current consumption	<= 60 mA (no-load)
delay first up	< 5000 ms

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delay response	< 1.2 ms
delay recovery	< 1.2 ms
setting-up	using teach button or remote teaching
depth	1.97 in (50 mm)
height	1.97 in (50 mm)
width	0.71 in (18 mm)
product weight	0.08 lb(US) (0.035 kg)

Environment

product certifications	CE Ecolab
ambient air temperature for operation	-40...140 °F (-40...60 °C)
ambient air temperature for storage	-40...176 °F (-40...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

Contractual warranty

Warranty period	18 months