

Product data sheet

Characteristics

XUK8TAE2MM12

photo-electric sensor - XUK - diffuse Sn 5m
1output auto PNP/NPN 1output 4.20mA

Product availability : Stock - Normally stocked in distribution facility

Price* : 474.00 USD



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	Diffuse distance sensor
Material	Plastic
Type of output signal	Analogue + discrete
Wiring technique	5-wire
Discrete output type	PNP or NPN
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	Analog 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	< 300 ms
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	0.91 in (23 mm)
Product weight	0.08 lb(US) (0.035 kg)

Environment

Product certifications	CE cULus Ecolab
Ambient air temperature for operation	-40...60 °C -4...122 °F (-20...50 °C), UL certified
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

Ordering and shipping details

Category	22481 - SENSORS, PHOTOELECTRIC
Discount Schedule	DS2
GTIN	00785901007241
Nbr. of units in pkg.	1
Package weight(Lbs)	0.13
Returnability	Y
Country of origin	DE

Offer Sustainability

RoHS (date code: YYWW)	Will not be compliant Will not be compliant
California proposition 65	WARNING: This product can expose you to chemicals including:
----- Substance 1	Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and
----- Substance 2	Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
----- More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months
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