Product data sheet
Characteristics

XUKR1PSMM12
photoelectric sensor - color mark - Sn 20 mm - NC - M12 connector

Green Premium™ Product

Product availability: Stock - Normally stocked in distribution facility

Main

Commercial Status	Commercialised
Range of product	OsiSense XU
Series name	Application packaging
Electronic sensor type	Photo-electric sensor
Sensor name	XUK
Sensor design	Compact 50 x 50
Detection system	Diffuse
Emission	White LED
[Sn] nominal sensing distance	0.75 in (19 mm) spot Ø 3.5 mm
Material	Plastic
Switching frequency	<= 5 kHz
Type of output signal	Discrete
Supply circuit type	DC
Wiring technique	3-wire
Discrete output type	PNP
Discrete output function	1 NO or 1 NC programmable
Electrical connection	1 male connector M12 adjustable through 90°, 4 pins
Product specific application	Colour mark
Sale per indivisible quantity	1

Complementary

Enclosure material	ABS
Lens material	Glass
Resolution	0.5 mm
Depth of field	+/- 2 mm
Passing speed of object	8.2 ft/s (2.5 m/s), minimum detected mark width:0.04 in (1 mm)
Output type	Solid state
Output function governance	Light or dark teaching
Add on output	Without
Add on input	Remote teaching
Status LED	1 LED (yellow) for output state 1 LED (green/red (flashing)) for error 1 LED (green) for stability
[Us] rated supply voltage	12...24 V DC
Supply voltage limits	DC
Switching capacity in mA	<= 100 mA (reverse polarity, overload and short-circuit protection)
Voltage drop	<= 2 V (closed state)
Current consumption	<= 30 mA (no-load)
Delay response	<= 0.1 ms
Delay recovery	<= 0.1 ms
Setting-up	Sensitivity adjustment with teach mode
Depth	1.97 in (50 mm)

Height	1.97 in (50 mm)
Width	0.59 in (15 mm)
Product weight	0.1 lb(US) (0.045 kg)

Environment

Product certifications	CE CULus
Ambient air temperature for operation	14...131 °F (-10...55 °C)
Ambient air temperature for storage	-4...158 °F (-20...70 °C)
Vibration resistance	+/-0.5 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn (duration = 11 ms) (6 shocks on each axis) conforming to IEC 60068-2-27
IP degree of protection	IP65 conforming to IEC 60529

Ordering and shipping details

Category	22481 - SENSORS, PHOTOELECTRIC
Discount Schedule	DS2
GTIN	003389110701784
Nbr. of units in pkg.	1
Package weight(Lbs)	0.22
Product availability	Stock - Normally stocked in distribution facility
Returnability	Y
Country of origin	IT

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS	Compliant - since 0623 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental
Product end of life instructions	Available Download End Of Life Manual

Contractual warranty

Period	18 months

Mouser Electronics

Authorized Distributor

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   [XUKR1PSMM12](#)