XUKR1PSMM12

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

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

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 (green) stability 1 LED (green/red (flashing)) error 1 LED (yellow) output state
[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)

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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

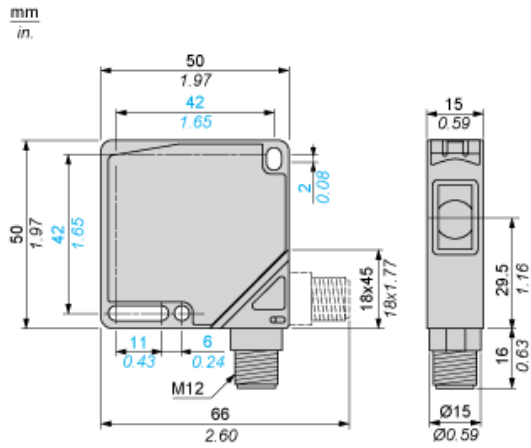|	
Category	22481 - SENSORS, PHOTOELECTRIC
Discount Schedule	DS2
GTIN	003389110701784
Nbr. of units in pkg.	1
Package weight(Lbs)	0.22
Returnability	N
Country of origin	HU

Offer Sustainability

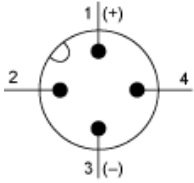|	
RoHS (date code: YYWW)	Compliant - since 0623 - Schneider Electric declaration of conformity 🔗Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
California proposition 65	WARNING: This product can expose you to chemicals including:
- - - - - - - Substance 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

Dimensions

Wiring Schemes

Connector Scheme

1/   10...30 VDC
Brown :
2/   Adjustment input
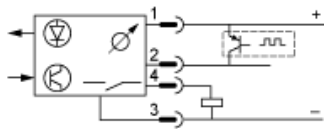White :
3/   0 V
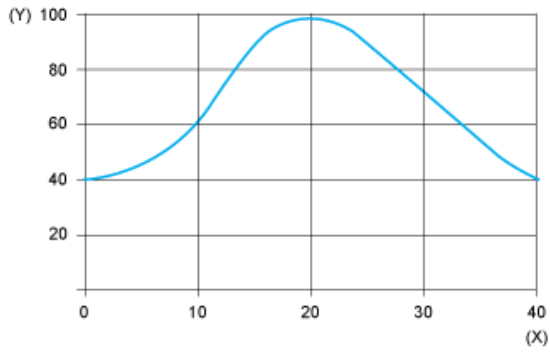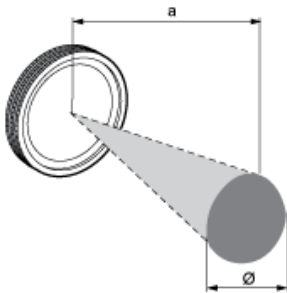Blue :
4/   Output
Black :

PNP Output

Curves

Detection Curve

(y) % of signal
(x) Detection distance (mm)

Detection Zone and Spot Size

a (mm)	Ø (mm)
19	3.5

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Authorized Distributor

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