

XUKT1KSMM12

photo-electric sensor - XUKT - reflex - Sn 1.5m - 12..24VDC - M12



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	Reflex
Material	Plastic
Type of output signal	Discrete
Supply circuit type	DC
Wiring technique	3-wire
Discrete output type	PNP or NPN
Discrete output function	1 NO or 1 NC programmable
Electrical connection	1 male connector M12 adjustable 2 positions, 4 pins
Product specific application	Detection of transparent object
Emission	Red reflex
[Sn] nominal sensing distance	1.5 m reflex need reflector XUZC50

Complementary

Enclosure material	PC
Lens material	PMMA
Output type	Solid state
Output function governance	Dark
Add on output	Without
Cable composition	2 x 0.34 mm ²
Wire insulation material	PVC
Cable outer diameter	6 mm
Status LED	1 LED for output state
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Supply voltage limits	10...30 V AC/DC
Switching capacity in mA	<= 100 mA (overload and short-circuit protection)
Switching frequency	<= 1.5 kHz
Voltage drop	<= 2 V (closed state)
Current consumption	<= 35 mA (no-load)
Time delay range	0.1...5 s monostable, on-delay or off-delay (programmable) delay
Delay first up	<= 80 ms
Delay response	<= 0.3 ms
Delay recovery	<= 0.3 ms
Setting-up	Sensitivity adjustment by potentiometer
Depth	50 mm
Height	50 mm
Width	18 mm
Product weight	0.035 kg
Kit composition	Sensor Bracket XULZ41

Environment

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

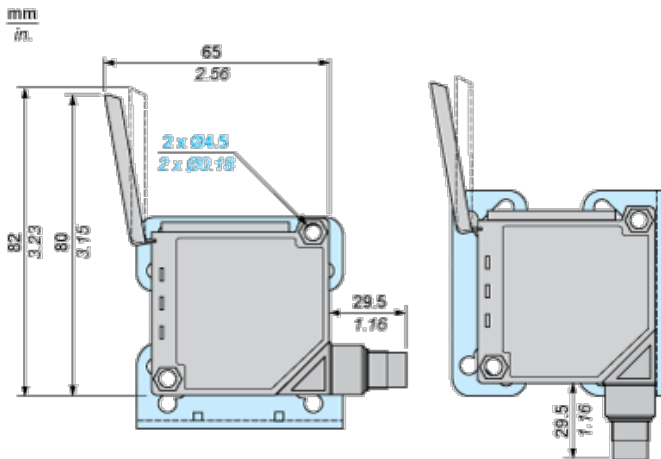
product certifications	CE CSA UL
ambient air temperature for operation	-25...55 °C
ambient air temperature for storage	-40...70 °C
vibration resistance	7 gn, amplitude = +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
shock resistance	20 gn (duration = 11 ms) conforming to IEC 60068-2-27
IP degree of protection	IP651 conforming to NF C 20-010 IP65 conforming to IEC 60529

Offer Sustainability

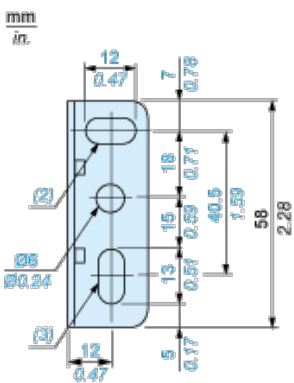
Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 0841 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold

Dimensions

- With cover open
- Fixing bracket mounting according to position of connector



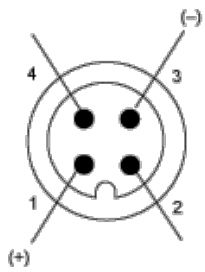
Bracket Fixing



- (2) 1 elongated hole Ø 6 x 12
- (3) 1 elongated hole Ø 6 x 13

Wiring Schemes

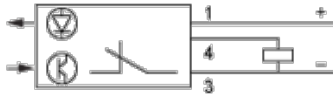
Connector Scheme



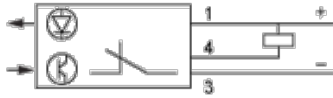
- 1 : (+)
- 2 : Alarm output
- 3 : (-)
- 4 : Output signal

NC Programmed

PNP programmed output

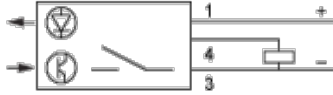


NPN programmed output

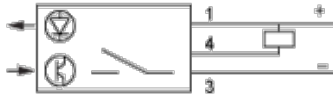


NO Programmed

PNP programmed output



NPN programmed output



Alarm Output

NPN programmed



PNP programmed

