Product data sheet
Characteristics

XUKT1KSMM12
Photoelectric sensors XU, XUKT, reflex, Sn 1.5 m, 12...24 VDC, M12

Main

Range of produc	Telemecanique Photoelectric sensors 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 mm²
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
Maximum 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
Maximum delay first up	80 ms
Maximum delay response	0.3 ms
Maximum delay recovery	0.3 ms
Setting-up	Sensitivity adjustment by potentiometer
Depth	50 mm
Height	50 mm
Width	18 mm
Net weight	0.035 kg
Kit composition	Bracket XULZ41 Sensor

Environment

Product certifications	UL[RETURN]CSA[RETURN]CE
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	IP65 conforming to IEC 60529 IP651 conforming to NF C 20-010

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	10.8 cm
Package 1 Width	9.0 cm
Package 1 Length	3.7 cm
Package 1 Weight	138.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	30
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	4.75 kg

Offer Sustainability

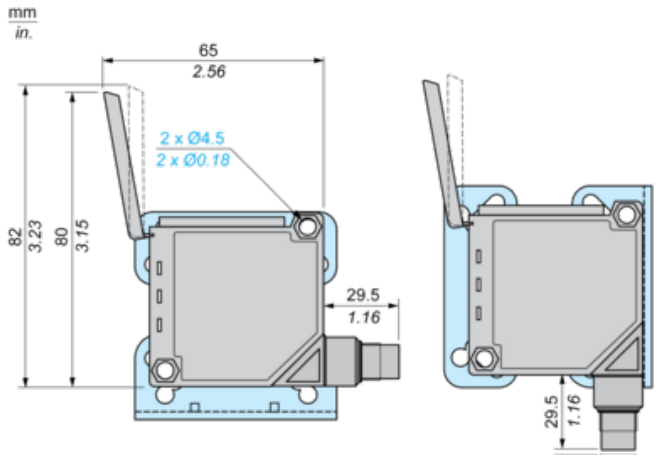
Sustainable offer status	Green Premium product
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Contractual warranty

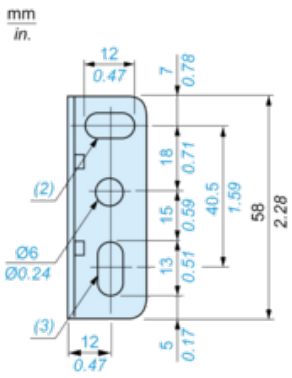
Warranty	18 months

Dimensions

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



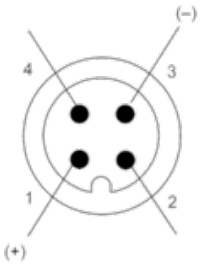
Bracket Fixing



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

Wiring Schemes

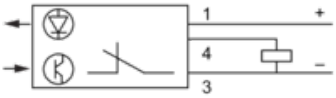
Connector Scheme



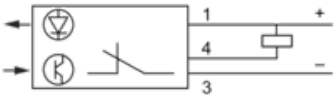
1 : (+)
2 : Alarm output
3 : (-)
4 : Output signal

NC Programmed

PNP programmed output

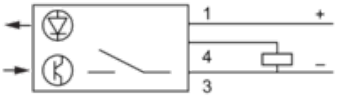


NPN programmed output

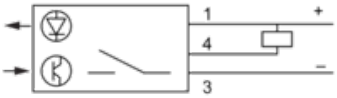


NO Programmed

PNP programmed output

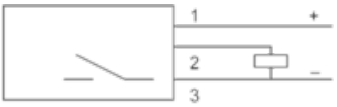


NPN programmed output



Alarm Output

NPN programmed



PNP programmed