Product data sheet Characteristics

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

Enclosure material	PC
Lens material	РММА
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	1224 V DC with reverse polarity protection
Supply voltage limits	1030 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	0.15 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

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



Environment

Product certifications	UL CSA CE
Ambient air temperature for operation	-2555 °C
Ambient air temperature for storage	-4070 °C
Vibration resistance	7 gn, amplitude = +/- 2 mm (f = 1055 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

Package 1 Weight	0.138 kg	
Package 1 Height	1.080 dm	
Package 1 width	0.900 dm	
Package 1 Length	0.370 dm	

Offer Sustainability

Sustainable offer status	Green Premium product			
REACh Regulation	REACh Declaration			
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) CEU RoHS Declaration			
Mercury free	Yes			
RoHS exemption information	₽ Yes			
Environmental Disclosure	Product Environmental Profile			
Circularity Profile	Pend of Life Information			

Contractual warranty

Warranty

18 months



Product data sheet **Dimensions Drawings**

XUKT1KSMM12

Dimensions

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







1 elongated hole Ø 6 x 13



XUKT1KSMM12

Wiring Schemes

Connector Scheme



3 : (-) 4 : Output signal

NC Programmed

PNP programmed output



NPN programmed output

- Ø	1		+
	4	- -	
→(K)			-
	3		

NO Programmed

PNP programmed output

- (7)	1	+	
₩ Q	4		
- (K)	-		
e e e e e e e e e e e e e e e e e e e	3		

NPN programmed output

_	æ		1		+
-	Ψ		4	Ċ,	
-	P				-
-	9		3		

Alarm Output

NPN programmed



PNP programmed



