

# XURU1KSMM12

photo-electric sensor - XUR - diffuse -  
luminescence - Sn 9mm - 12..24VDC - M12



## Main

Range of product	OsiSense XU
Series name	Application packaging
Electronic sensor type	Photo-electric sensor
Product specific application	Luminescence
Sensor name	XUR
Sensor design	Compact
Detection system	Diffuse
[Sn] nominal sensing distance	7 mm spot Ø 2.5 mm need lens XURZ01 9 mm spot Ø 5 mm without lens 18 mm spot Ø 7 mm need lens XURZ02
Material	Metal
Type of output signal	Analogue Discrete
Supply circuit type	DC
Wiring technique	3-wire
Discrete output type	PNP or NPN
Discrete output function	1 NO or 1 NC programmable
Analogue output range	0...7 V, DC
Electrical connection	1 male connector M12 adjustable 3 positions, 4 pins
Emission	Ultra-violet (transmission frequency = 370 nm)

## Complementary

Enclosure material	Zinc alloy
Lens material	Glass
Output type	Solid state
Output function governance	Light or dark programmable
Add on output	With analogue output
Status LED	1 LED (green) for teach mode 1 LED (red) for output state
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Supply voltage limits	10...30 V DC
Switching capacity in mA	<= 200 mA (reverse polarity, overload and short-circuit protection)
Switching frequency	<= 2000 Hz
Voltage drop	<= 1 V (closed state), NPN <= 2 V (closed state), PNP
Current consumption	<= 20 mA (no-load)
Time delay range	20 ms off-delay activation/deactivation by internal switch delay
Delay first up	<= 100 ms
Delay response	<= 0.25 ms
Delay recovery	<= 0.25 ms
Setting-up	Sensitivity adjustment with teach mode
Depth	58 mm
Height	82 mm
Width	31 mm
Product weight	0.55 kg

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## Environment

Product certifications	CE
Ambient air temperature for operation	-10...55 °C
Ambient air temperature for storage	-40...70 °C
Vibration resistance	7 gn, amplitude = +/- 0.6 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn (duration = 11 ms) conforming to IEC 60068-2-27
IP degree of protection	IP67 conforming to IEC 60529

## Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 0623 - <a href="#">Schneider Electric declaration of conformity</a>