XUKC1PSMM12

photo-electric sensor - XUK - diffuse - color - Sn 20mm - 12..24VDC - M12

Main

Range of product	OsiSense XU
Series name	Application packaging
Electronic sensor type	Photo-electric sensor
Product specific application	Colour
Sensor name	XUK
Sensor design	Compact 50 x 50
Detection system	Diffuse
Emission	White LED
[Sn] nominal sensing distance	20 mm spot Ø 4 mm
Material	Plastic
Supply circuit type	DC
Type of output signal	Discrete
Wiring technique	3-wire
Discrete output type	PNP
Discrete output function	1 NO
Electrical connection	1 male connector M12 adjustable through 90°, 8 pins

Complementary

Enclosure material	ABS
Lens material	Glass
Type of colour processing	RGB
Output type	Solid state
Output function governance	Light on
Add on input	Synchro + locking
Signalling function	4-digit display
Status LED	1 LED (yellow) for output state OUT 3 LEDs (green) for output active
[Us] rated supply voltage	12...24 V DC
Supply voltage limits	10...30 V DC
Switching capacity in mA	<= 100 mA (reverse polarity, overload and short-circuit protection)
Switching frequency	<= 1500 Hz

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Voltage drop	<= 2 V (closed state)
Current consumption	<= 60 mA (no-load)
Time delay range	10 ms 20 ms 30 ms 40 ms 5 ms
Delay response	0.335 ms
Delay recovery	0.335 ms
Setting-up	Operating mode Sensitivity adjustment with teach mode Tolerance level
Depth	50 mm
Height	50 mm
Width	25 mm
Product weight	0.085 kg

Environment

Product certifications	CE cULus
Ambient air temperature for operation	-10...55 °C
Ambient air temperature for storage	-20...70 °C
Vibration resistance	7 gn, amplitude = +/- 0.5 mm (f = 10...55 Hz) on the 3 axes 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

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 Reference not containing SVHC above the threshold

Contractual warranty

Warranty period	18 months

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