



Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	Application packaging
Electronic sensor type	Photo-electric sensor
Sensor name	XUK
Sensor design	Miniature
Detection system	Diffuse with background suppression
Material	Plastic
Type of output signal	Discrete
Supply circuit type	DC
Discrete output type	PNP
Discrete output function	1 NO or 1 NC programmable
Electrical connection	1 male connector M12, 4 pins
Product specific application	Background suppression blue light
Emission	Blue light diffuse with background suppression
[Sn] nominal sensing distance	1200 mm diffuse with background suppression

Complementary

Enclosure material	ABS/PC
Lens material	PMMA
Maximum sensing distance	1200 mm diffuse with background suppression
Output type	Solid state
Output function governance	NO/NC programmable
Add on output	Without, 100 mA
Status LED	1 LED (green) for power ON 1 LED (orange) 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	<= 100 mA (overload and short-circuit protection)
Switching frequency	<= 600 Hz
Current consumption	<= 30 mA no-load
Maximum delay first up	300 ms
Maximum delay response	830 µs
Maximum delay recovery	300 ms
Setting-up	Sensitivity by potentiometer
Height	50 mm
Length	50 mm
Width	23 mm
Net weight	0.046 kg

Environment

Product certifications	CE[RETURN]UKCA[RETURN]cULus
Ambient air temperature for operation	-20...60 °C
Ambient air temperature for storage	-20...80 °C
IP degree of protection	IP67 conforming to IEC 60529 IP69K conforming to DIN 40050-9

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	9.1 cm
Package 1 Width	3.1 cm
Package 1 Length	6.1 cm
Package 1 Weight	54 g
Unit Type of Package 2	S01
Number of Units in Package 2	30
Package 2 Height	15 cm
Package 2 Width	15 cm
Package 2 Length	40 cm
Package 2 Weight	1.855 kg

Contractual warranty

Warranty	18 months
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