



Main

Range of product	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	Diffuse
Material	Metal
Type of output signal	Discrete
Supply circuit type	DC
Discrete output type	PNP/NPN autodetect IOLINK
Discrete output function	1 NO or 1 NC programmable
Electrical connection	1 male connector M12 adjustable through 90°, 5 pins
Product specific application	Color detection
Emission	White LED diffuse
[Sn] nominal sensing distance	120 mm diffuse

Complementary

Enclosure material	Die cast zinc alloy
Lens material	PMMA
Maximum sensing distance	150 mm diffuse
Output type	Solid state
Output function governance	NO/NC programmable
Add on output	Without, 100 mA
Add on input	Remote teaching
Status LED	1 LED (green/yellow) for power ON/status indicator
[Us] rated supply voltage	24 V DC with reverse polarity protection
Supply voltage limits	18...30 V DC
Switching capacity in mA	<= 100 mA (overload and short-circuit protection)
Switching frequency	3...3000 Hz
Current consumption	<= 60 mA no-load
Maximum delay first up	150 ms
Maximum delay response	180 µs
Maximum delay recovery	300 ms
Setting-up	Sensitivity adjustment with teach mode Sensitivity by IO-Link Sensitivity by screen
Height	50.5 mm
Length	50.5 mm
Width	25 mm
Net weight	0.164 kg

Environment

Product certifications	CE[RETURN]UKCA[RETURN]cULus
Ambient air temperature for operation	-20...55 °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	5 cm
Package 1 Width	7 cm
Package 1 Length	14.2 cm
Package 1 Weight	190 g
Unit Type of Package 2	S01
Number of Units in Package 2	8
Package 2 Height	15 cm
Package 2 Width	15 cm
Package 2 Length	40 cm
Package 2 Weight	1.72 kg

Contractual warranty

Warranty	18 months
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