

XUC8AKSNM12

photo-electric sensor - XUC - BGS - Sn 1.2m -
12..24VDC - M12



Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	General purpose single mode
Electronic sensor type	Photo-electric sensor
Sensor name	XUC
Sensor design	Compact
Detection system	Diffuse with background suppression
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, 4 pins
Product specific application	-
Emission	Infrared diffuse with background suppression
[Sn] nominal sensing distance	1.2 m diffuse with background suppression

Complementary

Enclosure material	PC
Lens material	PMMA
Maximum sensing distance	1.2 m
Output type	Relay
Output function governance	Light or dark programmable
Add on output	Without
Cable composition	5 x 0.34 mm ²
Wire insulation material	PvR
Cable outer diameter	6 mm
Status LED	1 LED (yellow) for output state 1 LED (red) for stability
[Us] rated supply voltage	24...240 V AC/DC
Supply voltage limits	20...264 V AC
Output voltage	<= 250 V AC
Switching capacity in mA	3 A (cos ϕ = 1 for 0.5 million cycles at 1 operating cycle per second at 250 V)
Switching frequency	<= 20 Hz
Maximum voltage drop	<1.5 V (closed state)
Current consumption	35 mA no-load
Maximum power consumption in W	2 W
Time delay range	0...15 s monostable, on-delay or off-delay (programmable) delay
Maximum delay first up	60 ms
Maximum delay response	25 ms
Maximum delay recovery	25 ms
Setting-up	Sensitivity adjustment with potentiometer
Electrical durability	500000 cycles, switching capacity: 3000 mA, cos f = 1, operating rate <60 cyc/mn at 250 V
Depth	44 mm
Height	99 mm

Width	45 mm
Net weight	0.2 kg

Environment

Product certifications	CSA[RETURN]UL[RETURN]CE
Ambient air temperature for operation	-25...55 °C
Ambient air temperature for storage	-40...70 °C
Vibration resistance	7 gn (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	20 gn (duration = 11 ms) conforming to IEC 60068-2-27
IP degree of protection	IP67 conforming to IEC 60529
NEMA degree of protection	NEMA 12 conforming to IEC 60529 NEMA 13 conforming to IEC 60529 NEMA 3 conforming to IEC 60529 NEMA 4 conforming to IEC 60529 NEMA 4X conforming to IEC 60529 NEMA 6 conforming to IEC 60529 NEMA 6P conforming to IEC 60529

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Contractual warranty

Warranty	18 months
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