Product data sheet
Characteristics

XUVF60M8
photo-electric sensor - XUV - frame - 60X60mm - 12..24VDC - M8



Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	Application material handling
Electronic sensor type	Photo-electric sensor
Sensor name	XUV
Sensor design	Frame
Detection system	Thru beam
Emission	Infrared
Way dimensions of optical frame	60 x 60 mm
Material	Metal
Supply circuit type	DC
Wiring technique	4-wire
Discrete output type	PNP or NPN
Discrete output function	1 NO or 1 NC programmable
Electrical connection	1 male connector M8, 4 pins
Product specific application	Dynamic detection of passage of objects
Minimum object diameter for detection	Dynamic mode: 2 mm (0.1…15 m/s)

Complementary

Enclosure material	Painted aluminium
Lens material	Polycarbonate
Type of output signal	Discrete
Output type	Solid state
Add on output	With alarm output
Status LED	Alarm: 1 LED (red) Output state: 1 LED (amber)
[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	<= 500 Hz
Maximum voltage drop	<2 V (closed state)
Current consumption	<= 120 mA no-load
Time delay range	0...5 s off-delay delay
Maximum delay first up	100 ms
Maximum delay recovery	1 ms
Setting-up	Sensitivity adjustment with potentiometer
Depth	15 mm
Height	86 mm
Width	131 mm

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This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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Environment

Product certifications	CE[RETURN]cULus
Ambient air temperature for operation	0…60 °C
Ambient air temperature for storage	-20…80 °C
Immunity to ambient light	400 Lux incandescent light 4000 lux sunlight
Vibration resistance	25 gn, amplitude = +/- 2 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	IP65 conforming to IEC 60529

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.8 cm
Package 1 Width	11.2 cm
Package 1 Length	16.0 cm
Package 1 Weight	200.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	12
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	2.72 kg

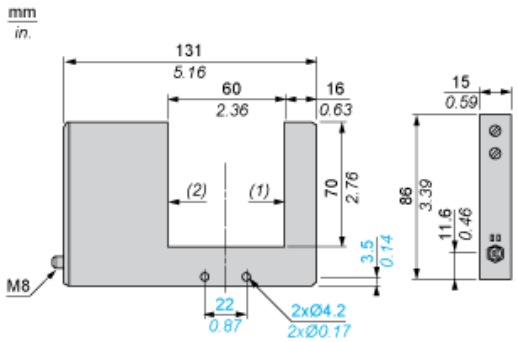
Offer Sustainability

REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes

Contractual warranty

Warranty	18 months

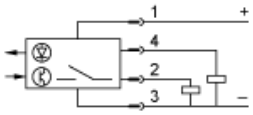
Dimensions



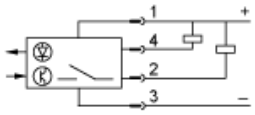
(1) Transmitting face
(2) Reception face

Wiring Schemes (4-Wire DC)

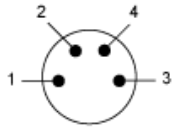
PNP Output



NPN Output



Connector Scheme



1 : +
2 : Alarm
3 : -
4 : Output