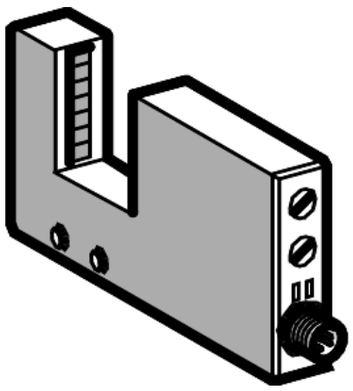
Product data sheet

Specifications



Photoelectric sensors XU, XUV, frame, 30X30mm, 12...24 VDC, M8

XUVF30M8

Product availability : Stock - Normally stocked in distribution facility

Price* : 569.00 USD

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	30 x 30 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 0.08 in (2 mm) 0.33…49.21 ft/s (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 reverse polarity protection
Supply voltage limits	18…30 V DC
Switching capacity in mA	<= 100 mA overload and short-circuit protection)

* Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: 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

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
Maximum delay first up	100 ms
Maximum delay recovery	1 ms
Setting-up	Sensitivity adjustment with potentiometer
Depth	0.59 in (15 mm)
Height	1.97 in (50 mm)
Width	4.25 in (108 mm)
Net Weight	0.18 lb(US) (0.08 kg)

Environment

Product Certifications	CE cULus
Ambient Air Temperature for Operation	32…140 °F (0…60 °C)
Ambient Air Temperature for Storage	-4…176 °F (-20…80 °C)
Immunity to ambient light	400 lux incandescent light 4000 lux sunlight
Vibration resistance	25 gn +/- 2 mm 10…55 Hz) IEC 60068-2-6
Shock resistance	30 gn 11 ms) IEC 60068-2-27
IP degree of protection	IP65 IEC 60529

Ordering and shipping details

Category	22481-SENSORS, PHOTOELECTRIC
Discount Schedule	DS2
GTIN	3389110168891
Nbr. of units in pkg.	1
Package weight(Lbs)	5.01 oz (142.0 g)
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.89 in (4.8 cm)
Package 1 width	6.22 in (15.8 cm)
Package 1 Length	4.33 in (11 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	12
Package 2 Weight	5.06 lb(US) (2.295 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
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

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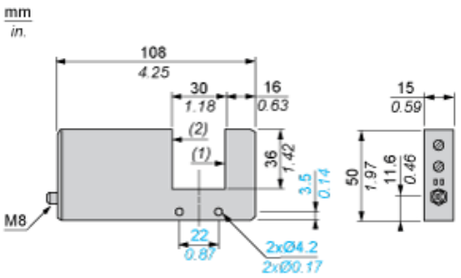
Dimensions Drawings

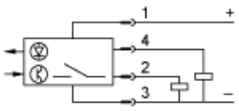
Dimensions



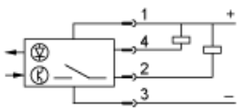
(1) Transmitting face
(2) Reception face

Wiring Schemes (4-Wire DC)

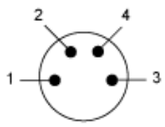
PNP Output



NPN Output



Connector Scheme



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