Product data sheet
Characteristics

XUVF250M12
photo-electric sensor - XUV - frame - 200X250mm - 12..24VDC - M12

Product availability : Stock - Normally stocked in distribution facility

Price* : 946.00 USD



Main

Range of product	OsiSense 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	200 x 250 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	M12 1 male connector, 4 pins
Product specific application	Static detection of passage of objects Dynamic detection of passage of objects
Minimum object diameter for detection	Dynamic mode: 0.16 in (4 mm) (0.33...49.21 ft/s (0.1...15 m/s)) Static mode: 0.24 in (6 mm)

Complementary

Enclosure material	Painted aluminium
Lens material	Altuglass
Type of output signal	Discrete
Output type	Solid state
Add on output	With alarm output
Status LED	1 LED (amber) output state 1 LED (red) alarm

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

[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	> 5000 Hz
Voltage drop	< 2 V (closed state)
Current consumption	<= 150 mA (no-load)
Time delay range	0...5 s off-delay delay
Delay first up	<= 100 ms
Delay recovery	< 0.1 ms
Setting-up	Sensitivity adjustment with potentiometer
Depth	0.98 in (25 mm)
Height	9.06 in (230 mm)
Width	13.19 in (335 mm)
Product weight	2.91 lb(US) (1.32 kg)

Environment

Product certifications	CULus CE
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	<= 10000 lux with sunlight <= 3000 lux with incandescent light
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

Ordering and shipping details

Category	22481 - SENSORS, PHOTOELECTRIC
Discount Schedule	DS2
GTIN	00785901615484
Nbr. of units in pkg.	1
Package weight(Lbs)	3.3100000000000001
Returnability	N
Country of origin	FR

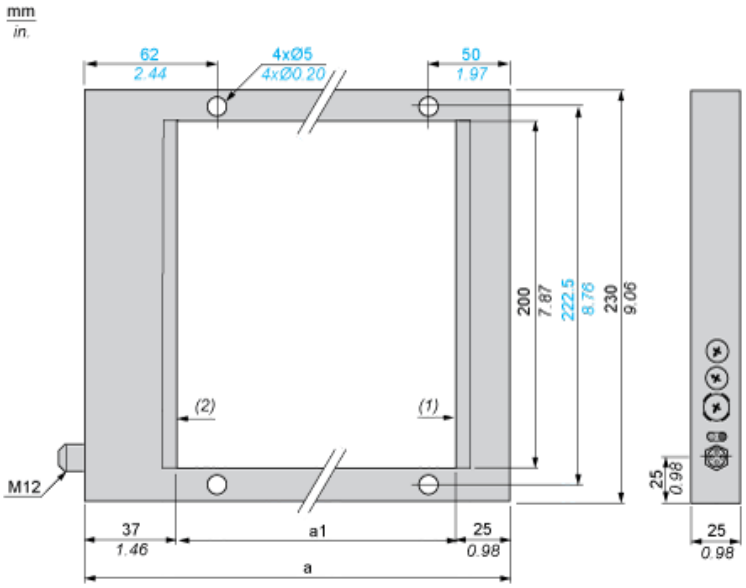
Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 0724 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity

Contractual warranty

Warranty period	18 months

Dimensions



(1) Transmitting face
(2) Reception face

Dimensions in mm

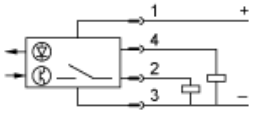
a	a1
312	250

Dimensions in in.

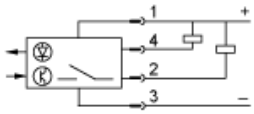
a	a1
12.28	9.84

Wiring Schemes (4-Wire DC)

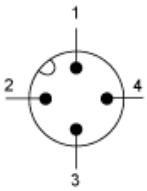
PNP Output



NPN Output



Connector Scheme



1 : +
2 : Not connected
3 : -
4 : Output