Product data sheet Characteristics

XUVF180M12

photo-electric sensor - XUV - frame - 200X180mm - 12..24VDC - M12



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 180 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 M12, 4 pins
Product specific application	Dynamic detection of passage of objects Static detection of passage of objects
Minimum object diameter for detection	Dynamic mode 0.16 in (4 mm) 0.3349.21 ft/s (0.115 m/s)) Static mode 0.24 in (6 mm)

Complementary

Painted aluminium
Altuglass
Discrete
Solid state
With alarm output
Alarm 1 LED red) Output state 1 LED amber)
24 V DC with reverse polarity protection
1830 V DC
<= 100 mA overload and short-circuit protection)
> 5000 Hz
<2 V (closed state)
<= 150 mA no-load
05 s off-delay
100 ms
0.1 ms
Sensitivity adjustment with potentiometer
0.98 in (25 mm)
9.06 in (230 mm)
10.43 in (265 mm)
2.65 lb(US) (1.2 kg)

Environment

Product certifications	CE CULus	
Ambient air temperature for operation	32140 °F (060 °C)	
Ambient air temperature for storage	-4176 °F (-2080 °C)	
Immunity to ambient light	3000 Lux incandescent light 10000 lux sunlight	
Vibration resistance	25 gn +/- 2 mm 1055 Hz) IEC 60068-2-6	
Shock resistance	30 gn 11 ms) 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	03389110168860
Nbr. of units in pkg.	1
Package weight(Lbs)	2.98 lb(US) (1.35 kg)
Returnability	No
Country of origin	FR

Packing Units

· coming come		
Unit Type of Package 1	PCE	
Package 1 Height	1.34 in (3.4 cm)	
Package 1 width	16.69 in (42.4 cm)	
Package 1 Length	11.18 in (28.4 cm)	
Unit Type of Package 2	S04	
Number of Units in Package 2	6	
Package 2 Weight	18.38 lb(US) (8.337 kg)	
Package 2 Height	11.81 in (30 cm)	
Package 2 width	15.75 in (40 cm)	
Package 2 Length	23.62 in (60 cm)	

Offer Sustainability

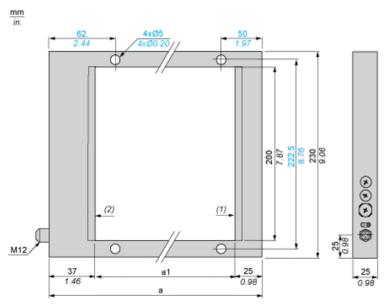
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. 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)
Mercury free	Yes
RoHS exemption information	₫Yes

Contractual warranty

Warranty	18 months

XUVF180M12

Dimensions



- (1) Transmitting face
- (2) Reception face

Dimensions in mm

а	a1
242	180

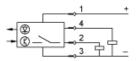
Dimensions in in.

а	a1
9.53	7.09

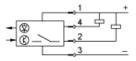
XUVF180M12

Wiring Schemes (4-Wire DC)

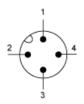
PNP Output



NPN Output



Connector Scheme



Not connected

1: 2: 3: Output