



## Main

Range of product	OsiSense XU
Series name	Application material handling
Electronic sensor type	Photo-electric sensor
Sensor name	XUV
Sensor design	Fork
Detection system	Thru beam
Emission	Infrared
Passage width	1.18 in (30 mm)
Passage depth	1.57 in (40 mm)
Material	Plastic
Supply circuit type	DC
Wiring technique	3-wire
Discrete output type	PNP
Discrete output function	1 NO
Electrical connection	Cable
Cable length	6.56 ft (2 m)
Product specific application	Detection of flags in lifts/transtockers
[Sn] nominal sensing distance	1.18 in (30 mm)

## Complementary

Enclosure material	ABS/PC
Lens material	PMMA
Type of output signal	Discrete
Output type	Solid state
Output function governance	Dark
Cable composition	3 x 0.34 mm <sup>2</sup>

Wire insulation material	PvR
Cable outer diameter	0.20 in (5 mm)
Status LED	Output state 1 LED red)
[Us] rated supply voltage	24 V DC reverse polarity protection
Supply voltage limits	19...38 V DC
Switching capacity in mA	<= 150 mA overload and short-circuit protection)
Switching frequency	<= 1 kHz
Maximum voltage drop	<1.5 V closed state)
Current consumption	<= 20 mA no-load
Maximum delay first up	30 ms
Maximum delay response	0.5 ms
Maximum delay recovery	0.5 ms
Setting-up	Without sensitivity adjustment
Depth	2.68 in (68 mm)
Height	2.32 in (59 mm)
Width	0.55 in (14 mm)
Net weight	0.29 lb(US) (0.13 kg)

## Environment

Product certifications	CE
Ambient air temperature for operation	23...131 °F (-5...55 °C)
Ambient air temperature for storage	-4...158 °F (-20...70 °C)
Vibration resistance	7 gn +/- 1 mm 10...42 Hz) IEC 60068-2-6
Shock resistance	30 gn 11 ms) IEC 60068-2-27
IP degree of protection	IP54 conforming to IEC 60529

## Packing Units

Package 1 Weight	0.25 lb(US) (0.113 kg)
Package 1 Height	0.250 dm
Package 1 width	1.500 dm
Package 1 Length	1.500 dm

## Offer Sustainability

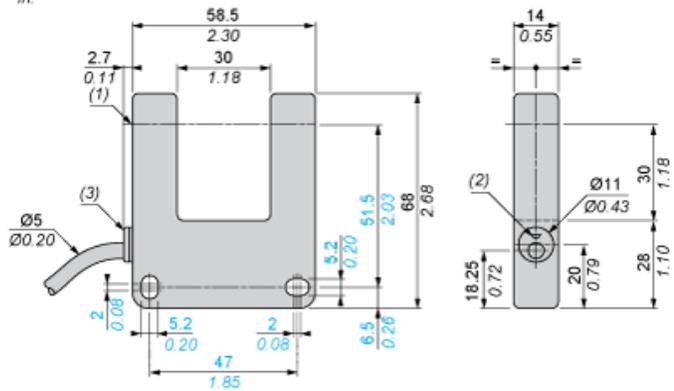
Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>

## Contractual warranty

Warranty	18 months
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Dimensions

mm  
in.



- (1) Optical axis
- (2) Red LED
- (3) Diffuser

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Wiring Schemes (3-Wire DC)

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NO Function

PNP Output



- BN : Brown
- BK : Black
- BU : Blue

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Detection Curve

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mm  
in.

