XUVJ0312

photo-electric sensor - XUV - fork - handling - 30X30mm - 12..24VDC - cable 2m

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	30 mm
Passage depth	40 mm
Material	Plastic
Supply circuit type	DC
Wiring technique	3-wire
Discrete output type	NPN
Discrete output function	1 NO
Electrical connection	Cable
Cable length	2 m
Product specific application	Detection of flags in lifts/transtockers
[Sn] nominal sensing distance	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 mm²
Wire insulation material	PvR
Cable outer diameter	5 mm
Status LED	1 LED (red) for output state
[Us] rated supply voltage	24 V DC with 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
Voltage drop	<= 1.5 V (closed state)
Current consumption	<= 20 mA (no-load)
Delay first up	<= 30 ms
Delay response	0.5 ms
Delay recovery	0.5 ms
Setting-up	Without sensitivity adjustment
Depth	68 mm
Height	59 mm
Width	14 mm
Product weight	0.13 kg

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Environment

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

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Will be Compliant on 4Q2014

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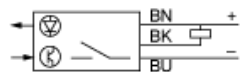Sensors

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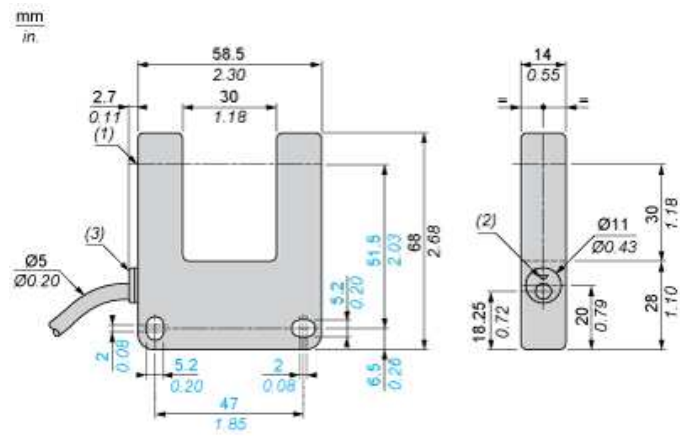
(1)   Optical axis
(2)   Red LED
(3)   Diffuser

Wiring Schemes (3-Wire DC)

NO Function

NPN Output

BN : Brown
BK : Black
BU : Blue

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Detection Curve

$\frac{mm}{in.}$

1.5 ± 0.3
0.06 ± 0.01