XU8M18MB230WL5

photo-electric sensor - XU8 - BGS - 90° - Sn 0.12m - 24..240VAC/DC - cable 5m



Main

Range of product	OsiSense XU
Series name	General purpose single mode
Electronic sensor type	Photo-electric sensor
Sensor name	XU8
Sensor design	Cylindrical M18
Detection system	Diffuse with background suppression
Material	Metal
Line of sight type	90° lateral
Type of output signal	Discrete
Supply circuit type	AC/DC
Wiring technique	2-wire
Discrete output function	1 NC
Electrical connection	Cable
Cable length	5 m
Product specific application	-
Emission	Infrared diffuse with background suppression
[Sn] nominal sensing distance	0.12 m diffuse with background suppression

Complementary

Enclosure material	Nickel plated brass
Lens material	PMMA
Maximum sensing distance	0.12 m
Output type	Solid state
Add on output	Without
Wire insulation material	PvR
Status LED	1 LED (yellow) for output state
[Us] rated supply voltage	24240 V AC/DC
Supply voltage limits	20264 V AC/DC
Residual current	< 1.5 mA (open state)
Switching capacity in mA	10200 mA (to be used with 0.4 A quick-blow fuse in series with the load)
Switching frequency	<= 25 Hz
Voltage drop	6 V (closed state)
Delay first up	< 300 ms
Delay response	< 20 ms
Delay recovery	< 20 ms
Setting-up	Sensitivity adjustment
Diameter	18 mm
Length	97 mm

Environment

product certifications	CE CSA UL	
ambient air temperature for operation	-2555 °C	
ambient air temperature for storage	-4070 °C	
vibration resistance	7 gn, amplitude = +/- 1.5 mm (f = 1055 Hz) conforming to IEC 60068-2-6	
shock resistance	30 gn (duration = 11 ms) conforming to IEC 60068-2-27	

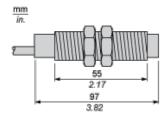
Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 0924 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold

Contractual warranty

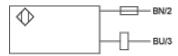
Warranty period	18 months
Wallally pellod	10 11011113

Dimensions



Wiring Schemes

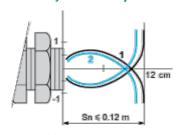
2-wire AC or DC



BU : Blue BN : Brown

Detection Curves

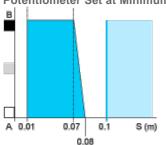
Diffuse System with Adjustable Background Suppression



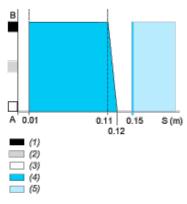
1: White 90%
2: Grey 18%
Object 10 x 10 cm

Variation of Usable Sensing Distance Su

Potentiometer Set at Minimum



Potentiometer Set at Maximum



A-B: Object reflection coefficient

- (1) Black 6%
- (2) Grey 18%
- (3) White 90%
- (4) Sensing range
- (5) Non sensing zone (matt surfaces)