Product data sheet

XUAH0515S
photo-electric sensor - XUA - diffuse - Sn
0.05m - 12..24VDC - M8

Main

Range of product | OsiSense XU
Series name | Application assembly
Electronic sensor type | Photo-electric sensor
Sensor name | XUA
Sensor design | Cylindrical M8
Detection system | Diffuse
Material | Metal
Line of sight type | Axial
Type of output signal | Discrete
Supply circuit type | DC
Wiring technique | 3-wire
Discrete output type | PNP
Discrete output function | 1 NO
Electrical connection | 1 male connector M8, 3 pins
Product specific application | -
Emission | Infrared diffuse

[Sn] nominal sensing distance | 0.05 m diffuse

Complementary

Enclosure material | Nickel plated brass
Lens material | PMMA
Maximum sensing distance | 0.06 m
Output type | Solid state
Add on output | Without
Cable composition | 3 x 0.14 mm²
Wire insulation material | PVK
Cable outer diameter | 3.5 mm
Status LED | 1 LED (yellow) for output state
[Us] rated supply voltage | 12...24 V DC with reverse polarity protection
Supply voltage limits | 10...30 V DC
Switching capacity in mA | <= 100 mA (overload and short-circuit protection)
Switching frequency | <= 1000 Hz
Voltage drop | <= 1 V (closed state)
Current consumption | <= 25 mA (no-load)
Delay first up | <= 20 ms
Delay response | <= 0.5 ms
Delay recovery | <= 0.5 ms
Setting-up | Without sensitivity adjustment
Diameter | 8 mm
Length | 48 mm
Product weight | 0.5 kg

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### Environment

| Product certifications       | CE  
|----------------------------|-----  
|                             | CULUs |  
| Ambient air temperature for operation | -25...55 °C |  
| Ambient air temperature for storage | -30...70 °C |  
| Vibration resistance        | 7 gn, amplitude = +/- 1 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     | IP67 conforming to IEC 60529  
|                             | IP65 conforming to IEC 60529 |  

### Offer Sustainability

| Sustainable offer status       | Green Premium product |  
| RoHS (date code: YYWW)         | Compliant - since 0732 - Schneider Electric declaration of conformity |  
| REACH                         | Reference not containing SVHC above the threshold |  