

# XUYDCFCO966S

photoelectric sensor - XUY - M8 connector - Sn  
4 mm - discrete solid state



## Main

Range of product	OsiSense XU
Series name	Application packaging
Electronic sensor type	Photo-electric sensor
Sensor name	XUY
Sensor design	Fiber design
Detection system	Diffuse
Emission	White LED (450 - 650 nm)
[Sn] nominal sensing distance	18 Mm with fiber optic XUYFPDC61/101 4 mm with fiber optic XUYFPDCM861/M8101
Material	Plastic
Switching frequency	< 20 kHz
Type of output signal	Discrete
Supply circuit type	DC
Wiring technique	4-wire
Discrete output type	PNP and NPN
Discrete output function	1 NO or 1 NC programmable
Electrical connection	1 male connector M8, 4 pins

## Complementary

Enclosure material	Polyamide
Lens material	Polyamide
Pulse frequency	40 kHz
Spot diameter	1.5 mm
Depth of field	- 3...1 mm with fiber optic XUYFPDC61/101 - 5...7 mm with fiber optic XUYFPDC61/101 +/- 1 mm with fiber optic XUYFPDCM861/M8101
Output type	Solid state
Status LED	Output state indication: 1 LED
[Us] rated supply voltage	24 V DC with reverse polarity protection
Supply voltage limits	10...30 V DC
Voltage state 0 guaranteed	< 1.4 V
Voltage state 1 guaranteed	> 3 V
Switching capacity in mA	100 mA (overload and short-circuit protection)
Maximum voltage drop	<2 V (closed state)
Current consumption	50 mA
Maximum delay response	25 µs
Maximum delay recovery	25 µs
Setting-up	With sensitivity adjustment
Net weight	0.047 kg




## Environment

Product certifications	CE CULus
Ambient air temperature for operation	0...40 °C
Ambient air temperature for storage	-20...80 °C
Immunity to ambient light	10000 Lux natural light 20000 lux incandescent bulb
IP degree of protection	IP65 conforming to IEC 60529

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	47 g
Package 1 Height	3.5 cm
Package 1 width	7 cm
Package 1 Length	13 cm
Unit Type of Package 2	S02
Number of Units in Package 2	35
Package 2 Weight	2.123 kg
Package 2 Height	15 cm
Package 2 width	30 cm
Package 2 Length	40 cm

## Offer Sustainability

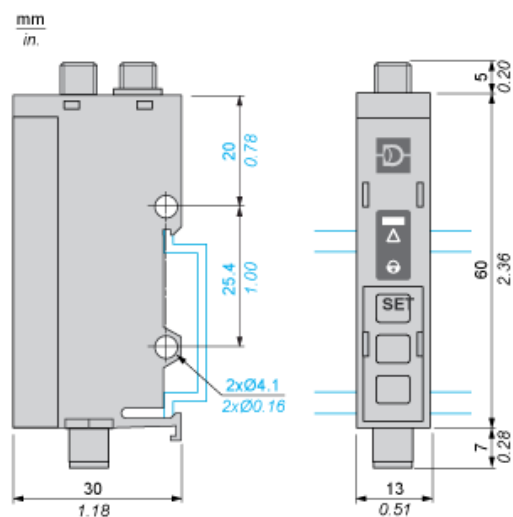
REACH Regulation	<a href="#"> REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#"> EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#"> Yes</a>

## Contractual warranty

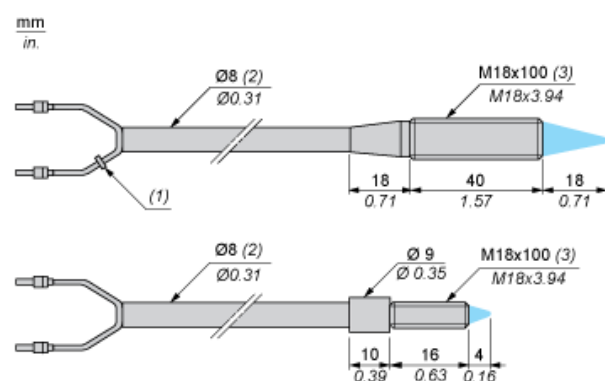
Warranty	18 months
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## Dimensions

### Sensors Dimensions



### Fibres Dimensions (To be Ordered Separately)



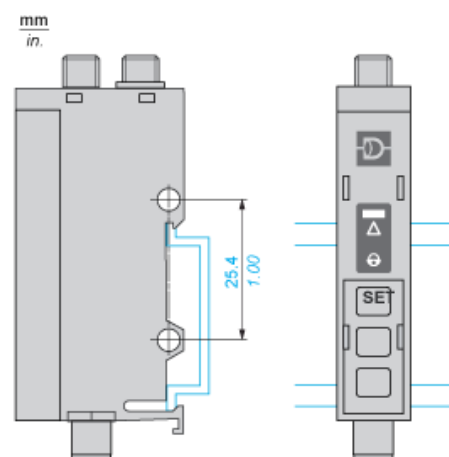
- (1) The ring indicates that the fibre is transmitting
- (2) Bend radius: 15 mm
- (3) 2 nuts included with fibre optic

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Mounting and Clearance

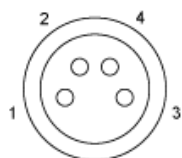
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Mounting on 35 mm rail

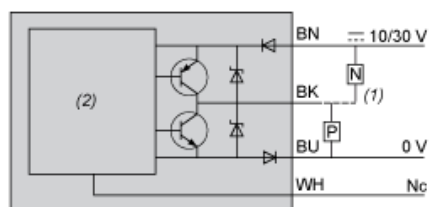


## Wiring Schemes

### Scheme



- 1 : Brown
- 2 : White
- 3 : Blue
- 4 : Black



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

- (1) High level on first shade "taught"
- NC : Not connected