

# XUYDCFCO966S

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

Product availability: Non-Stock - Not normally stocked in distribution facility



## 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	0.71 in (18 mm) with fiber optic XUYFPDC61/101 0.16 in (4 mm) with fiber optic XUYFPD-CM861/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	0.06 in (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	1 LED output state indication
[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)
Voltage drop	< 2 V (closed state)
Current consumption	50 mA
Delay response	25 µs
Delay recovery	25 µs
Setting-up	With sensitivity adjustment
Product weight	0.1 lb(US) (0.047 kg)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.


## Environment

Product certifications	CULus CE
Ambient air temperature for operation	32...104 °F (0...40 °C)
Ambient air temperature for storage	-4...176 °F (-20...80 °C)
Immunity to ambient light	10000 lux with natural light 20000 lux with incandescent bulb
IP degree of protection	IP65 conforming to IEC 60529

## Ordering and shipping details

Category	22481 - SENSORS, PHOTOELECTRIC
Discount Schedule	DS2
GTIN	003389119009966
Nbr. of units in pkg.	1
Package weight(Lbs)	0.10000000000000001
Returnability	N
Country of origin	FR

## Offer Sustainability

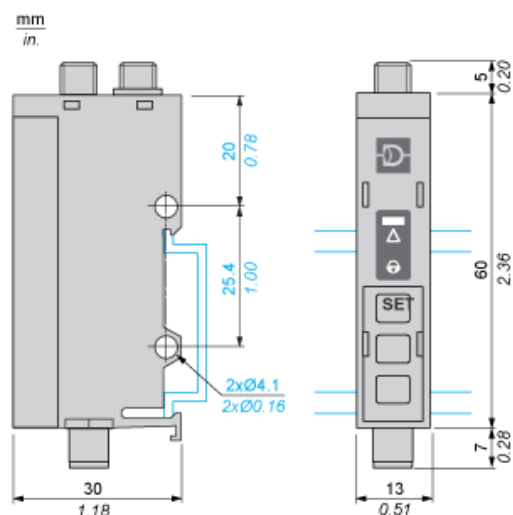
RoHS (date code: YYWW)	Compliant - since 0707 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity
California proposition 65	WARNING: This product can expose you to chemicals including:
- - - - - Substance 1	Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and
- - - - - Substance 2	Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
- - - - - More information	For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>

## Contractual warranty

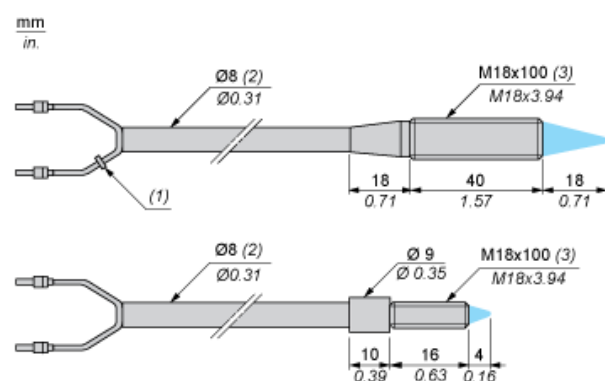
Warranty period	18 months
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## Dimensions

### Sensors Dimensions



### Fibres Dimensions (To be Ordered Separately)



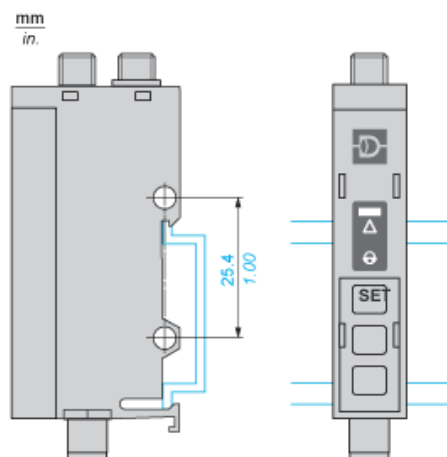
- (1) The ring indicates that the fibre is transmitting
- (2) Bend radius: 15 mm
- (3) 2 nuts included with fibre optic

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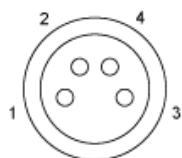
Mounting and Clearance

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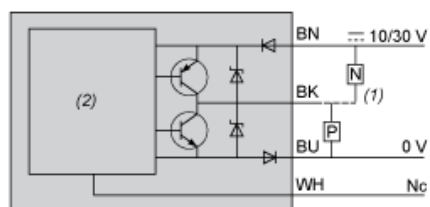
Mounting on 35 mm rail



## 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

# Mouser Electronics

Authorized Distributor

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[XUYDCFCO966S](#)