Product datasheet
Characteristics

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	1 LED for 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	0.047 kg

Environment

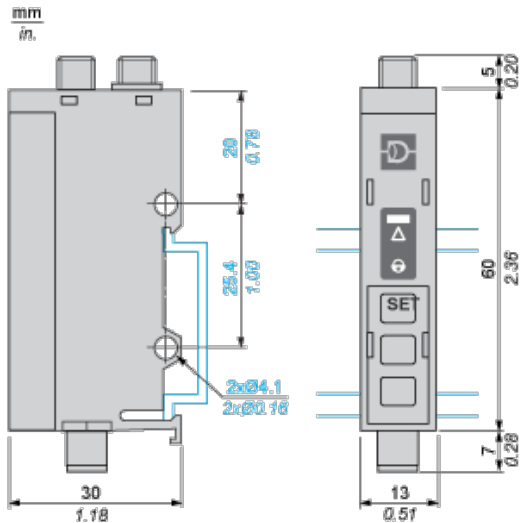|	
product certifications	CE CULus
ambient air temperature for operation	0...40 °C
ambient air temperature for storage	-20...80 °C
immunity to ambient light	10000 lux with natural light 20000 lux with incandescent bulb
IP degree of protection	IP65 conforming to IEC 60529

Schneider Electric

Offer Sustainability

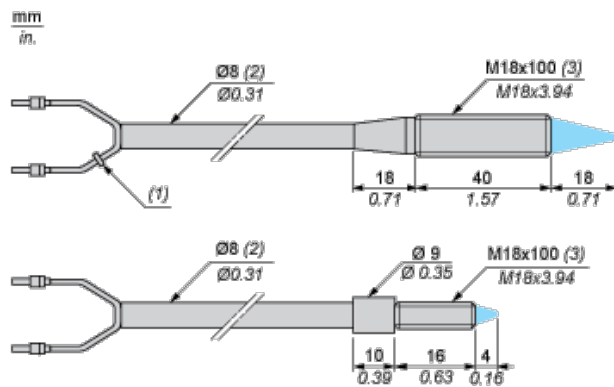|	
Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 0707 - Schneider Electric declaration of conformity

Contractual warranty

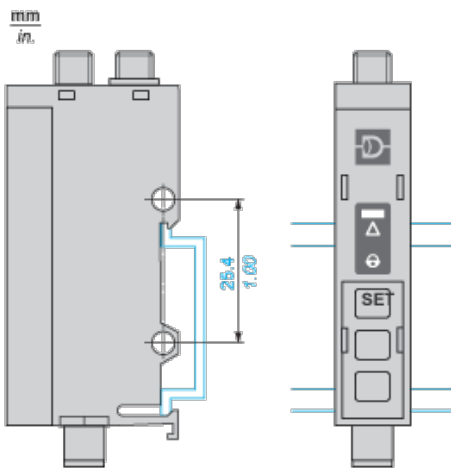|	
Warranty period	18 months

Dimensions

Sensors Dimensions

Fibres Dimensions (To be Ordered Separately)

(1) The ring indicates that the fibre is transmitting

(2) Bend radius: 15 mm
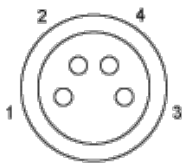
(3) 2 nuts included with fibre optic
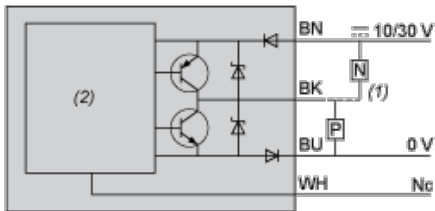
Mounting and Clearance

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 fi rst shade "taught"

NC : Not connected