

XUYDCFCO966S

Photoelectric sensors XU, photoelectric sensor, XUY, M8 connector, Sn 4 mm, discrete solid state



Main

Range of product	Telemecanique Photoelectric sensors 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

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	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

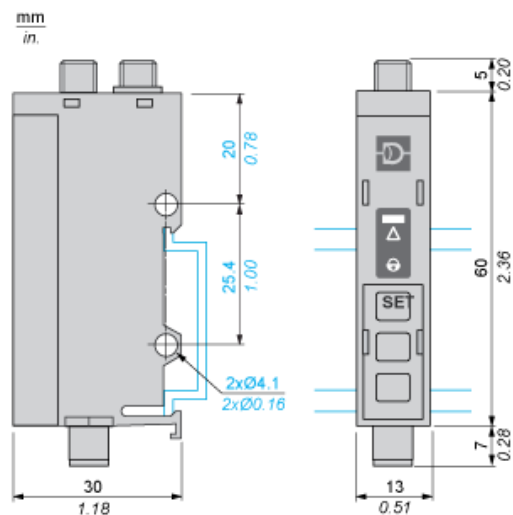
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes

Contractual warranty

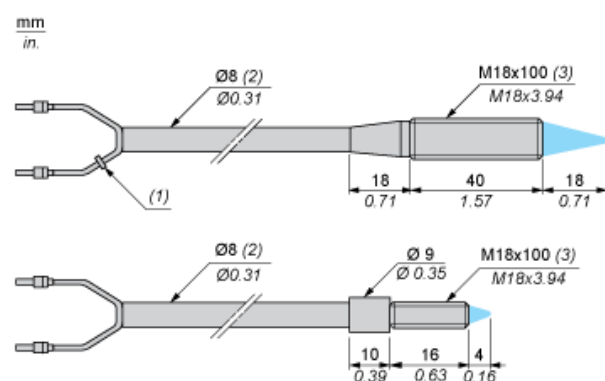
Warranty	18 months
----------	-----------

Dimensions

Sensors Dimensions



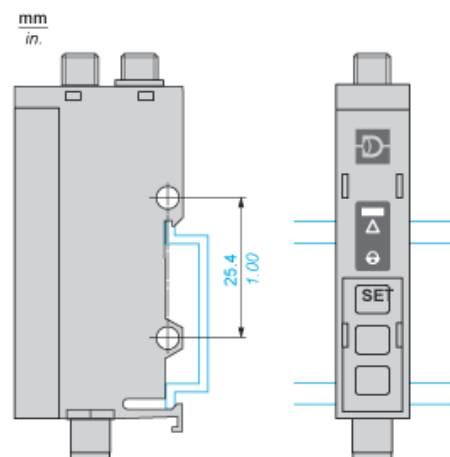
Fibres Dimensions (To be Ordered Separately)



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

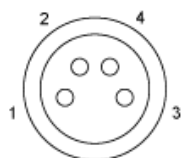
Mounting and Clearance

Mounting on 35 mm rail

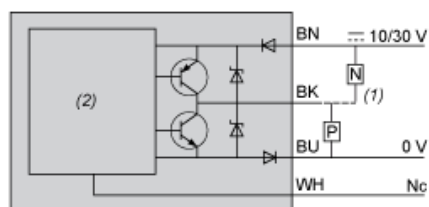


Wiring Schemes

Scheme



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



BN : Brown

WH : White

BU : Blue

BK : Black

(1) High level on first shade "taught"

NC : Not connected