Product data sheet Characteristics

XUYDCFCO966S

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



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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	0.71 In (18 mm) with fiber optic XUYFPDC61/101 0.16 in (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

Complementary		
Enclosure Material	Polyamide	
Lens material	Polyamide	
Pulse frequency	40 kHz	
Spot diameter	0.06 in (1.5 mm)	
Depth of field	- 31 mm with fiber optic XUYFPDC61/101 - 57 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 reverse polarity protection	
Supply voltage limits	1030 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	0.10 lb(US) (0.047 kg)	

Environment

Environment		
Product Certifications	CE	
	cULus	
Ambient Air Temperature for Operation	32104 °F (040 °C)	-
Ambient Air Temperature for Storage	-4176 °F (-2080 °C)	
Immunity to ambient light	10000 Lux natural light	
	20000 lux incandescent bulb	
IP degree of protection	IP65 IEC 60529	

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 interned as a substitute for and is not to be used for determining substituty of these products for specific user applications. It is the duty of any sub-user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products for specific user applications. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Ordering and shipping details

Category	22481-SENSORS, PHOTOELECTRIC
Discount Schedule	DS2
GTIN	3389119009966
Nbr. of units in pkg.	1
Package weight(Lbs)	1.66 oz (47.0 g)
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE	
Package 1 Height	1.38 in (3.5 cm)	
Package 1 width	2.76 in (7 cm)	
Package 1 Length	5.12 in (13 cm)	
Unit Type of Package 2	S02	
Number of Units in Package 2	35	
Package 2 Weight	4.68 lb(US) (2.123 kg)	
Package 2 Height	5.91 in (15 cm)	
Package 2 width	11.81 in (30 cm)	
Package 2 Length	15.75 in (40 cm)	

Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) CEU RoHS
Mercury free	Yes
RoHS exemption information	id γes در المعالم ال المعالم المعالم

Contractual warranty

Warranty

18 months

Product data sheet Dimensions Drawings

XUYDCFCO966S

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

XUYDCFCO966S

Mounting and Clearance

Mounting on 35 mm rail



XUYDCFCO966S

Wiring Schemes

Scheme



BN : Brown

WH : White

BU : Blue

BK : Black

(1) High level on fi rst shade "taught"

NC : Not connected