



Hovedkarakteristikk

Produktspekter	OsiSense XU
Serie navn	General purpose multimode
Sensor type	Photo-electric sensor
Sensor navn	XUB
Sensor design	Sylindrisk M18
Føler system	Multimode
Materiale	Plast
Line of sight type	Aksiell
Type utgangssignal	Discrete
Type spenningsforsyning	DC
Ledningsnett teknikk	3-wire
Digitale utganger	NPN
Diskret utgangsfunksjon	1 NO or 1 NC programmable
Elektrisk tilkobling	Kabel
Kabellengde	5 m
Produktspesifikk applikasjon	-
Stråling	Infrarød diffuse Infrarød diffuse with background suppression Infrarød thru beam Rød polarisert refleks
[Sn] nominelle føleavstand	0.12 m diffuse with background suppression 0.3 m diffuse 3 m polarisert refleks need reflector XUZC50 20 m thru beam need a transmitter XUB0AKSNL5T

Alternativer

Kapslingsmateriale	PBT
Materiale i linse	PMMA
Maksimum føleavstand	0.12 m diffuse with background suppression 0.4 m diffuse 30 m thru beam 4.5 m polarisert refleks
Utgangstype	Solid state
Tilleggsutganger	Uten
Ledning isolasjonsmateriale	PvR
Status LED	1 LED (grønn) for tilførsel 1 LED (Rød) for instability 1 LED (Gul) for output state
[Us] merkespenning	12 - 24 V DC med reverse polarity protection
Spenningsgrenser	10...36 V DC
Svitsjekapasitet i mA	<= 100 mA (overload and short-circuit protection)
Switching frequency	<= 250 Hz
Spenningsfall	1.5 V (lukket tilstand)
Strømforbruk	35 mA (ubelastet)
Forsinkelse første oppstart	< 200 ms
Forsinkelses respons	< 2 ms
Forsinkelse re-etablering	< 2 ms
Oppsett	Self-teaching
Diameter	18 mm
Lengde	64 mm

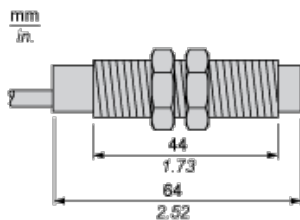
Miljø

produktsertifikater	CE CSA UL
omgivelsestemperatur drift	-25...55 °C
omgivelsestemperatur for lagring	-40...70 °C
Vibrasjonsmotstand	7 gn, amplitude = +/- 1.5 mm (f = 10...55 Hz) i henhold til IEC 60068-2-6
støtmotstand	30 gn (varighet = 11 ms) i henhold til IEC 60068-2-27
IP-grad	IP65 double insulation i henhold til IEC 60529 IP67 double insulation i henhold til IEC 60529

Bærekraftig

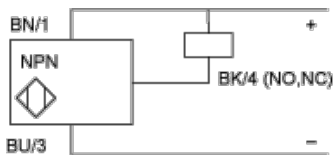
Bærekraftig	Ikke et Green Premium produkt
RoHS (datokode: YYWW)	Compliant - since 0821 - Schneider Electric declaration of conformity
Produktets miljøprofil	Tilgjengelig
Destruksjons-instruks	Tilgjengelig

Dimensions



Connections and Schemes

NPN



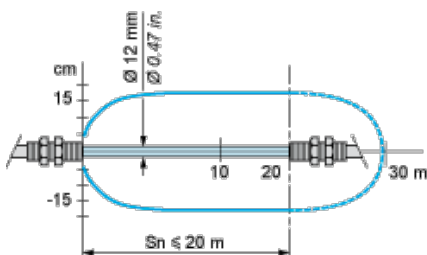
BN : Brown

BU : Blue

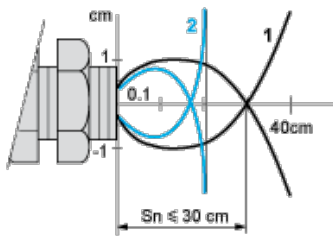
BK : Black

Detection Curves

With Thru-beam Accessory (Thru-beam)

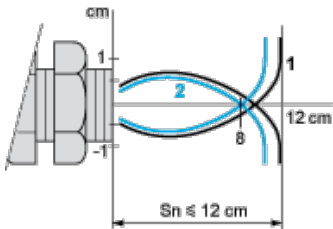


Without Accessory (Diffuse)



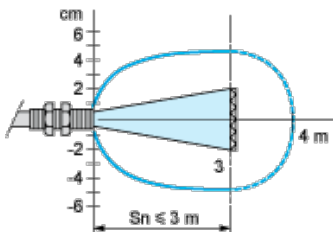
- 1 : White 90%
 - 2 : Grey 18%
- Object 10 x 10 cm

Without Accessory (Diffuse with background suppression)



- 1 : White 90%
 - 2 : Grey 18%
- Object 10 x 10 cm

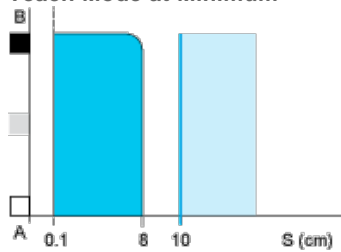
With reflector (Polarised reflex)



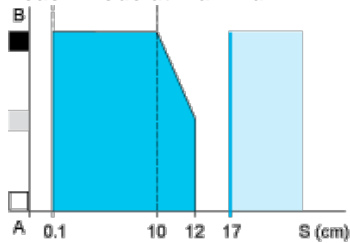
With reflector XUZC50

Variation of Usable Sensing Distance Su (Without accessory, with adjustable background suppression)

Teach Mode at Minimum



Teach Mode at Maximum



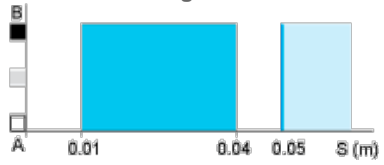
- (1) Black 6%
- (2) Grey 18%
- (3) White 90%
- (4) Sensing range
- (5) Non sensing zone (matt surfaces)

A-B :Object reflection coefficient

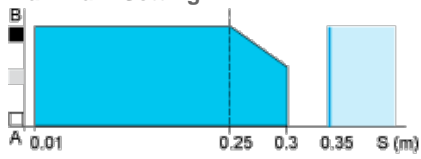
- (1) Black 6%
- (2) Grey 18%
- (3) White 90%
- (4) Sensing range
- (5) Non sensing zone (matt surfaces)

Variation of Usable Sensing Distance

Minimum Setting



Maximum Setting



- (1) Black 6%
- (2) Grey 18%
- (3) White 90%
- (4) Sensing range
- (5) Non sensing zone (matt surfaces)

A-B :Object reflection coefficient

- (1) Black 6%
- (2) Grey 18%
- (3) White 90%
- (4) Sensing range
- (5) Non sensing zone (matt surfaces)