

XUYPS2945S

fotoelektrični senzor–XUY–BGS–2 kanala–Sn 600
mm–12..24 V DC–kabel od 2 m



Glavno

Range of product	OsiSense XU
Series name	Application material handling
Electronic sensor type	Photo-electric sensor
Sensor name	XUY
Sensor design	Compact
Detection system	Diffuse with background suppression
Material	Plastic
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	Cable
Cable length	2 m
Product specific application	2 channels triangulation Control of filling Detection of object on conveyor against reflective background
Emission	Infrared LED, modulated
[Sn] nominal sensing distance	50...600 mm

Komplementarno

Enclosure material	Glass impregnated nylon
Output type	Solid state
Status LED	1 LED (green) for output state
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Supply voltage limits	10...30 V DC
Switching capacity in mA	100 mA (overload and short-circuit protection)
Switching frequency	> 370 Hz
Voltage drop	< 2 V (closed state)
Current consumption	< 1.5 mA (no-load)
Delay response	< 1.8 ms
Delay recovery	< 1.8 ms
Product weight	0.135 kg

Okolina

product certifications	CE
ambient air temperature for operation	0...50 °C
ambient air temperature for storage	-20...60 °C
immunity to ambient light	10000 lux with natural light 1300 lux with incandescent bulb
IP degree of protection	IP65 conforming to IEC 60529

Offer Sustainability

Not Green Premium product	Not Green Premium product
Compliant - since 0727 - Schneider Electric declaration of conformity	Compliant - since 0727 - Schneider Electric declaration of conformity

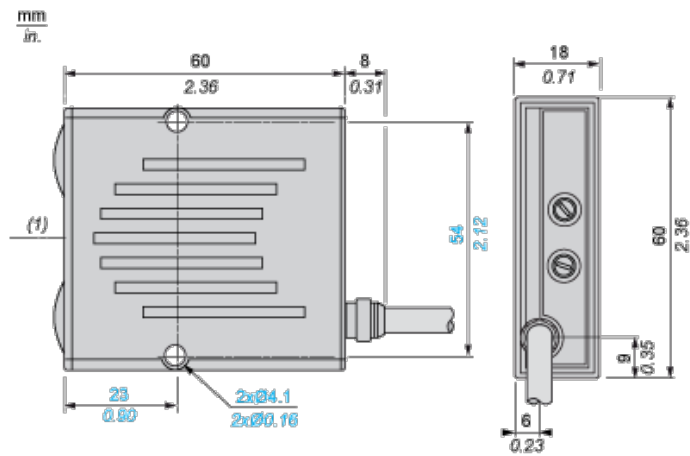
Informacije dane u ovoj dokumentaciji sadrže opće opise i/ili tehničke karakteristike o performansama ovdje sadržanih proizvoda.
 Ova dokumentacija nije namijenjena kao zamjena za niti bi se trebala koristiti za određivanje prikladnosti ili pouzdanosti predmetnih proizvoda za konkretne korisničke primjene.
 Svaki takav korisnik ili integrator dužan je provesti odgovarajuću i poplunu analizu rizika, procjenu i ispitivanje proizvoda u odnosu na odgovarajuću specifičnu primjenu ili uporabu istog.
 Niti društvo Schneider Electric, Industries SAS niti bilo koje od njegovih povezanih poduzeća ili podružnica neće preuzeti obvezu ili snositi odgovornost za pogrešku upotrebu ovdje sadržanih informacija.

Contractual warranty

Warranty period

18 months

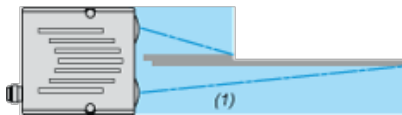
Dimensions



(1) Optical axis

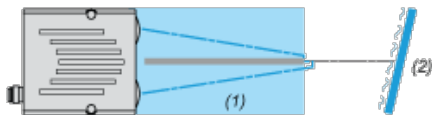
Mounting and Clearance

Two independent sensors with triangulation: A, B



(1) Detected zones

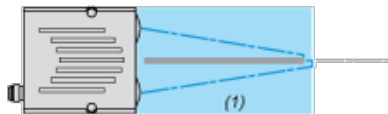
Immunity to reflection: A and B



(1) Detected zones

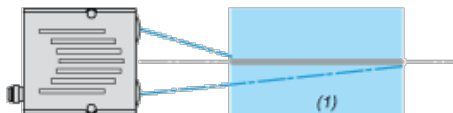
(2) Mirror

Detection of contrasting objects: A or B



(1) Detected zones

Monitoring of distance: A xor B

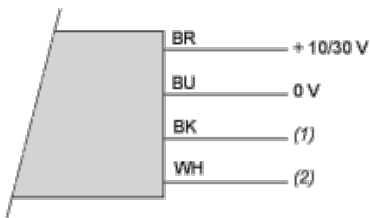


(1) Detected zones

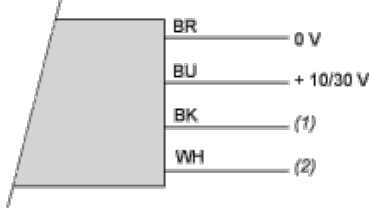
Wiring Schemes and Outputs

Two Independent Sensors with Triangulation: A, B

NO Output



NC Output



BN : Brown

BU : Blue

BK : Black

WH :White

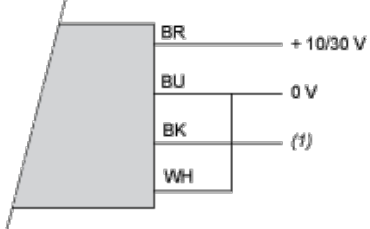
(1) Zone A output

(2) Zone B output

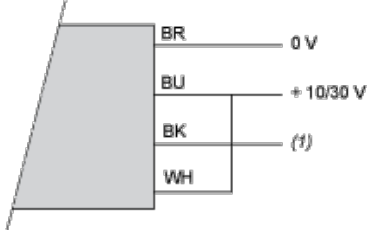
Immunity to Reflection: A and B

Without Time Delay

NO Output



NC Output



BN : Brown

BU : Blue

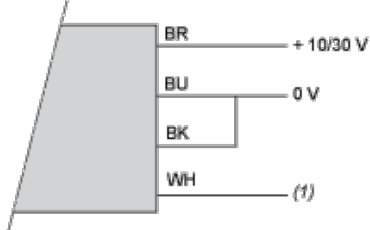
BK : Black

WH :White

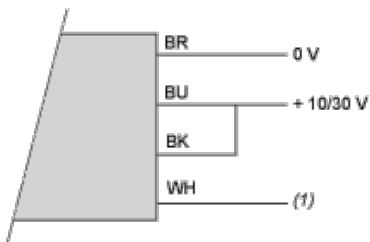
(1) Output

With 40 ms Time Delay

NO Output



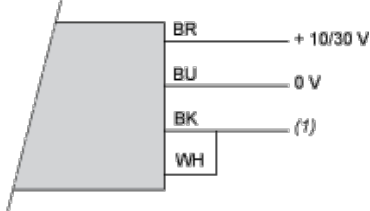
NC Output



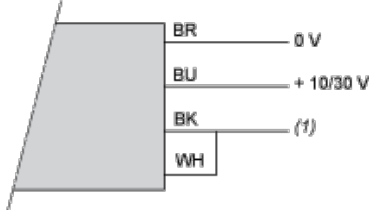
BN : Brown
 BU : Blue
 BK : Black
 WH :White
 (1) Output

Detection of Contrasting Objects: A or B

NO Output



NC Output

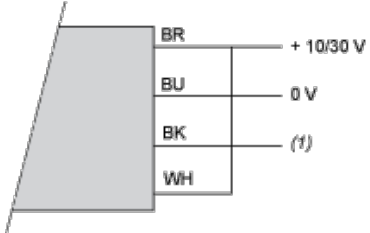


BN : Brown
 BU : Blue
 BK : Black
 WH :White
 (1) Output

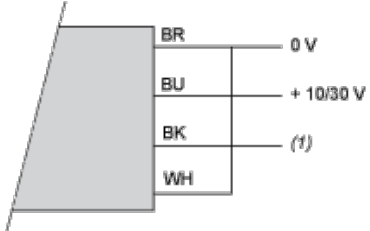
Monitoring of Distance: A or B

Without Time Delay

NO Output



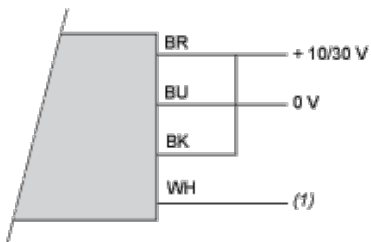
NC Output



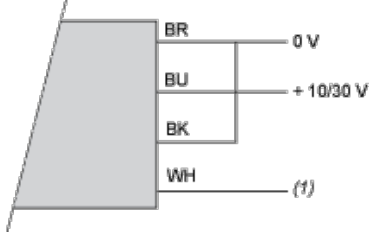
BN : Brown
 BU : Blue
 BK : Black
 WH :White
 (1) Output

With 40 ms Time Delay

NO Output

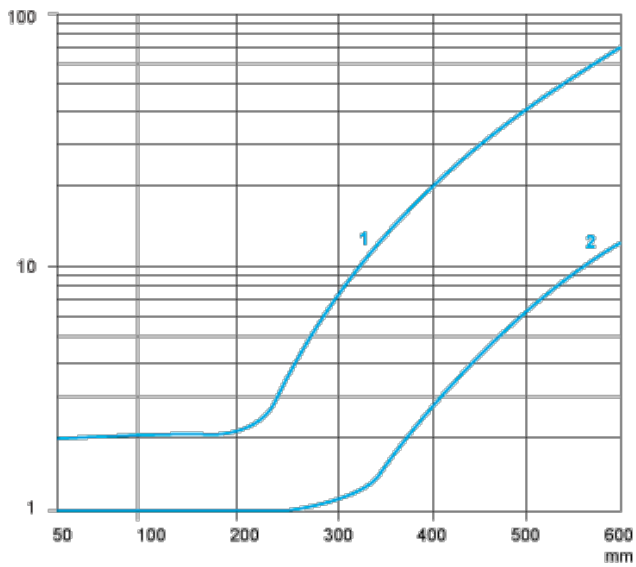


NC Output



- BN : Brown
- BU : Blue
- BK : Black
- WH :White
- (1) Output

Detection Curves



- 1 : Black 6%
- 2 : Grey 18% - Distance (mm) set on 92% (Kodak 1527795)