



Glavno

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	Mobile equipment Light hoisting
Sensor name	XS1
Sensor design	Cylindrical M12
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Type of output signal	Discrete
Wiring technique	4-wire
[Sn] nominal sensing distance	4 mm
Discrete output function	1 NO + 1 NC
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Cable
Cable length	2 m
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA with overload and short-circuit protection
IP degree of protection	IP65 IP68 conforming to IEC 60529

Komplementarno

Safety level	SILCL 2 conforming to IEC 62061 PL = d conforming to EN/ISO 13849-1 SIL 2 conforming to EN/IEC 61508
Safety reliability data	MTTFd = 1810 years PFHd = 62.9E-9 1/h SFF = 92 % DC = 74 % with appropriate safety controller
Service life	20 yr
Thread type	M12 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Nickel plated brass
Operating zone	0...3.2 mm
Differential travel	3...15% of Sr
Cable composition	4 x 0.22 mm ²
Wire insulation material	PvR
Status LED	1 LED yellow for output state
Supply voltage limits	9...36 V DC
Switching frequency	<= 5000 Hz
Voltage drop	<= 2 V at closed state
Current consumption	0...10 mA at no-load
Delay first up	<= 5 ms
Delay response	<= 0.1 ms
Delay recovery	<= 0.1 ms

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 potpunu analizu rizika, procjenu i ispitivanje proizvoda u odnosu na odgovarajuću specifičnu primjenu ili uporabu istog.
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Marking	CE
Threaded length	25 mm
Height	12 mm
Length	37 mm
Product weight	0.07 kg

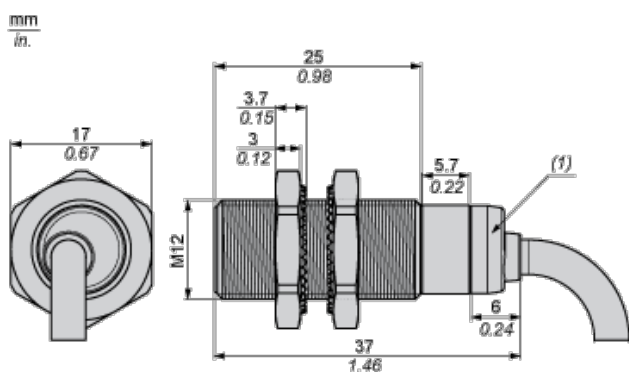
Okolina

standards	EN/ISO 13849-1 IEC 62061
product certifications	CSA TÜV UL E2
ambient air temperature for operation	-25...70 °C
ambient air temperature for storage	-40...85 °C
vibration resistance	25 gn amplitude = +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
shock resistance	50 gnfor 11 ms conforming to IEC 60068-2-27

Offer Sustainability

Not Green Premium product	Not Green Premium product
Compliant - since 1513 - Schneider Electric declaration of conformity	Compliant - since 1513 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold

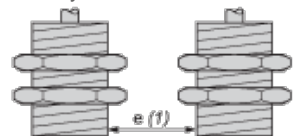
Dimensions



(1) LED

Minimum Mounting Distances

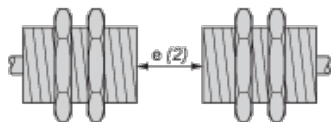
Side by side



e (1) 8 mm/0.31 in.

≥

Face to face



e (2) 48 mm/1.89 in.

≥

Facing a metal object

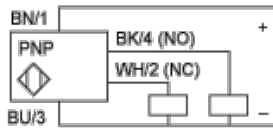


e (3) 12 mm/0.47 in.

≥

Wiring Schemes

PNP 4-wire



BU : Blue

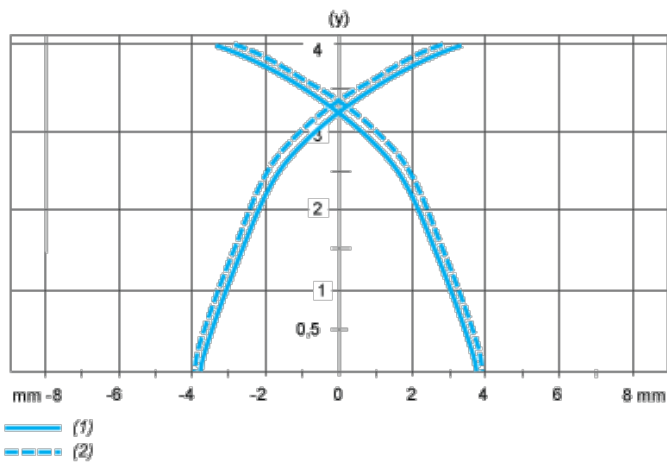
BN : Brown

BK : Black

WH : White

Performance Curves

Standard Steel Target : 12x12x1 mm



(1) Pick-up points

(2) Drop-out points (object approaching from the side)

(y) Sensing distance in mm