



Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS5
Sensor design	Cylindrical M12
Size	53 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Type of output signal	Discrete
Wiring technique	2-wire
[Sn] nominal sensing distance	0.08 in (2 mm)
Discrete output function	1 NO
Output circuit type	DC
Electrical connection	Cable
Cable length	16.4 ft (5 m)
[Us] rated supply voltage	12...48 V DC
Switching capacity in mA	1.5...100 mA DC with overload and short-circuit protection
IP degree of protection	IP68 double insulation conforming to IEC 60529 IP69K conforming to DIN 40050

Complementary

Thread type	M12 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Nickel plated brass
Operating zone	0...0.06 in (0...1.6 mm)
Differential travel	1...15% of Sr
Cable composition	2 x 0.34 mm ²
Wire insulation material	PvR
Status LED	1 LED (yellow) output state
Supply voltage limits	10...58 V DC
Residual current	<= 0.5 mA, open state
Switching frequency	<= 4000 Hz
Voltage drop	<= 4 V, closed state
Delay first up	<= 10 ms
Delay response	<= 0.2 ms
Delay recovery	<= 0.2 ms
Marking	CE
Threaded length	1.65 in (42 mm)
Height	0.47 in (12 mm)
Length	2.09 in (53 mm)
Product weight	0.43 lb(US) (0.195 kg)

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product certifications	CCC CSA UL
ambient air temperature for operation	-13...158 °F (-25...70 °C)
ambient air temperature for storage	-40...185 °F (-40...85 °C)
vibration resistance	25 gn, amplitude: +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
shock resistance	50 gn (duration = 11 ms) conforming to IEC 60068-2-27

Green Premium product	Green Premium product
Compliant - since 0843 - Schneider Electric declaration of conformity	Compliant - since 0843 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available
Available	Available
WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:
Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and	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.	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	For more information go to www.p65warnings.ca.gov

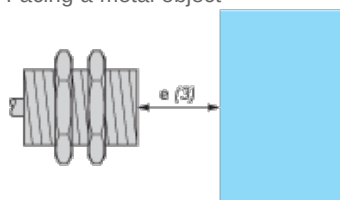
Warranty period	18 months
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(1) LED

e (2) 24 mm/0.94 in.

≥

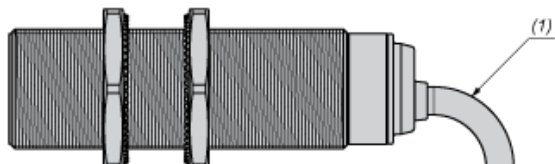
Facing a metal object



e (3) 6 mm/0.24 in.

≥

Mounting

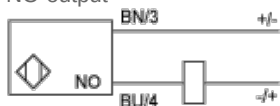


(1) Bending cable: 4 x external cable diameter

Wiring Schemes

2-Wire Non-polarised

NO output

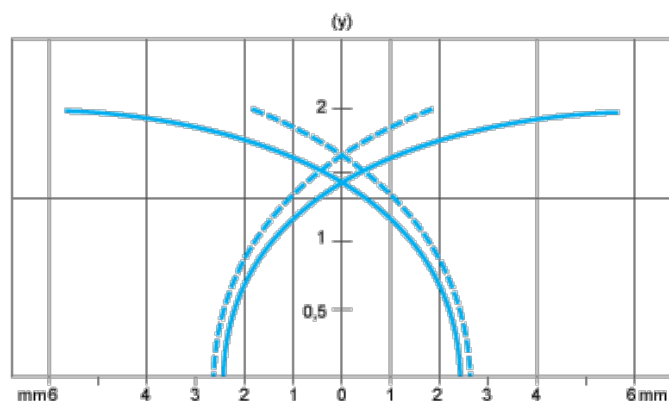


BU : Blue

BN : Brown

Performance Curves

Standard Steel Target : 12x12x1 mm



(1)
(2)

(1) Pick-up points

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

(y) Sensing distance in mm