Product data sheet
Characteristics

XS230SAPAL5
inductive sensor XS2 M30 - L63mm - stainless - Sn22mm - 12..24VDC - cable 5m

Main

Range of product	OsiSense XS
Series name	Application
Sensor type	Inductive proximity sensor
Device application	Food and beverage
Sensor name	XS2
Sensor design	Cylindrical M30
Size	63 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Stainless steel
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	22 mm
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Cable
Cable length	5 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	IP68 double insulation conforming to IEC 60529 IP69K conforming to DIN 40050

Complementary

Thread type	M30 x 1.5
Detection face	Frontal
Front material	PPS

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Enclosure material	Stainless steel 316 L
Operating zone	0...17.6 mm
Differential travel	1...15% of Sr
Cable composition	3 x 0.34 mm²
Wire insulation material	PVC
Status LED	1 LED yellow for output state
Supply voltage limits	10...36 V DC
Switching frequency	<= 500 Hz
Voltage drop	<= 2 V at closed state
Current consumption	<= 10 mA at no-load
Delay first up	<= 10 ms
Delay response	<= 0.6 ms
Delay recovery	<= 1.4 ms
Marking	CE
Threaded length	41 mm
Length	63 mm
Product weight	0.325 kg

Environment

Product certifications	CSA UL
Ambient air temperature for operation	-25...85 °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 gn for 11 ms conforming to IEC 60068-2-27

Offer Sustainability

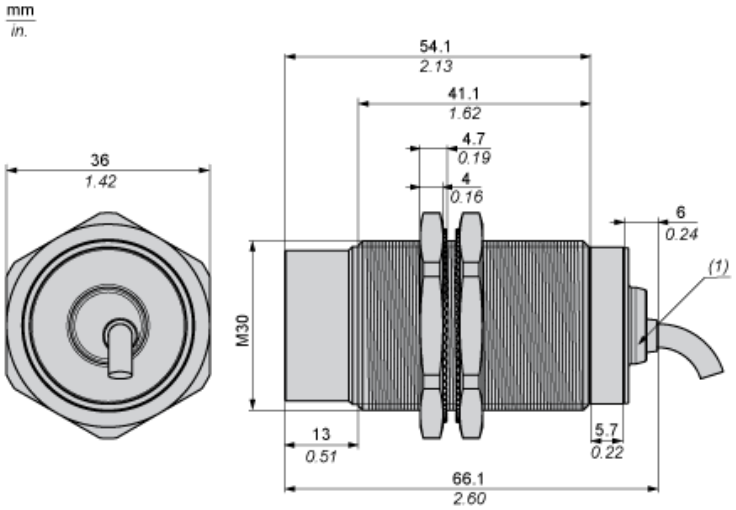
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0821 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available End of Life Information
Product end of life instructions	Available

Contractual warranty

Warranty period	18 months

XS230SAPAL5

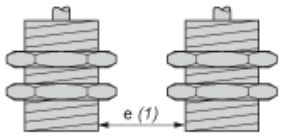
Dimensions



(1) LED

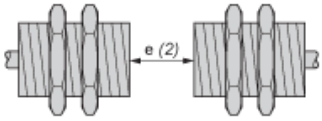
Minimum Mounting Distances in mm

Side by side



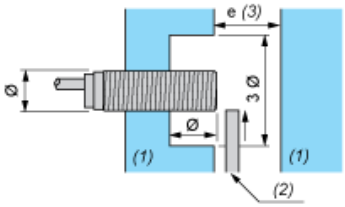
e (1) ≥ 120 mm/4.72 in.

Face to face



e (2) ≥ 264 mm/10.39 in.

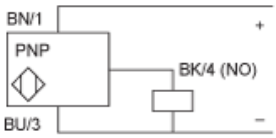
Facing a metal object



e (3) ≥ 66 mm/2.60 in.
(4) Metal
(5) Object to be detected

Wiring Schemes

PNP



BU : Blue
BN : Brown
BK : Black