Product data sheet

Specifications

Green Premium™

Inductive proximity sensors XS, inductive sensor XS2 M30, L63mm, stainless, Sn22mm, 12...24 VDC, cable 2 m

XS230SAPAL2

Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	Application
Sensor type	Inductive proximity sensor
Device application	Food and beverage
Market segment	Pharmaceutical
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	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	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
Enclosure material	Stainless steel 316 L

Sensing range	> 15...40 mm
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	Output state: 1 LED (yellow)
Supply voltage limits	10…36 V DC
Switching frequency	<= 500 Hz
Maximum voltage drop	<2 V (closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	10 ms
Maximum delay response	0.6 ms
Maximum delay recovery	1.4 ms
Marking	CE
Threaded length	41 mm
Length	63 mm
Net weight	0.205 kg

Environment

Product certifications	UL CSA
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

Packing Units

Unit Type of Package 1	Db
Number of Units in Package 1	1
Package 1 Height	4.1 cm
Package 1 Width	10.9 cm
Package 1 Length	12.7 cm
Package 1 Weight	188.0 g
Unit Type of Package 2	S01
Number of Units in Package 2	11
Package 2 Height	15.0 cm
Package 2 Width	15.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	2.247 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration

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EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
	EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
California proposition 65	WARNING: This product can expose you to chemicals including: 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. For more information go to www.P65Warnings.ca.gov

Contractual warranty

Warranty	18 months

Dimensions

$$\frac{mm}{in.}$$

36
1.41

66,1
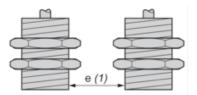2.60

13
0.51

41,1
1.61

4,7
0.18

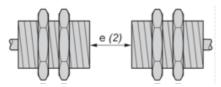M30x1.5

4
0.15

5,2
0.20

Mar 20, 2023

Minimum Mounting Distances in mm
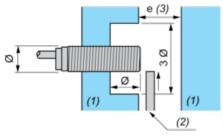
Side by side

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.
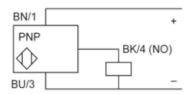
(4) Metal

(5) Object to be detected

Wiring Schemes

PNP

BU : Blue

BN : Brown

BK : Black

Recommended replacement(s)

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