



Sensor IFS304

URL: <https://www.sxplc.com/sensor-ifs304>

Product data sheet

Product characteristics

Electrical design

PNP

Output function

normally open

Sensing range [mm]

4

Housing

Threaded type

Dimensions [mm]

M12 x 1 / L = 60

Application

System

gold-plated contacts; Increased sensing range; correction factor = 1; Magnetic-field immune

Application

material handling; refrigerated warehouse / shock freezing; Suitable for industrial, mobile, cooling and lubricating applications; Industrial applications

Magnetic-field immune

yes

Max. electromagnetic field immunity [mT]

300

Electrical data

Operating voltage [V]

10...30 DC

Current consumption [mA]

< 20

Protection class

III

Reverse polarity protection

yes

Outputs

Electrical design

PNP

Output function

normally open

Max. voltage drop switching output DC [V]

2.5

Permanent current rating of switching output DC [mA]

100

Switching frequency DC [Hz]

2000

Short-circuit protection

yes

Overload protection

yes

Monitoring range

Sensing range [mm]

4

Real sensing range S_r [mm]

$4 \pm 10 \%$

Operating distance [mm]

0...3.24

Increased sensing range

yes

Accuracy / deviations

Correction factor

steel: 1 / stainless steel: 1 / brass: 1 / aluminum: 1 / copper: 1

Hysteresis [% of Sr]

3...15

Switch-point drift [% of Sr]

-10...10

Correction factor = 1

yes

Operating conditions

Ambient temperature [°C]

-40...85

Protection

IP 65; IP 66; IP 67; IP 68; IP 69K

Mechanical data

Weight [g]

26.9

Housing

Threaded type

Mounting

flush mountable

Dimensions [mm]

M12 x 1 / L = 60

Thread designation

M12 x 1

Material

stainless steel (1.4404 / 316L); sensing face: LCP white; LED window: PEI; lock nuts: stainless steel
(1.4404 / 316L)

