

sensor SBY323

URL:<https://www.sxplc.com/sensor-sby323>

Product data sheet

Product characteristics

Number of inputs and outputs

Number of digital outputs: 1

Process connection

Rp 1/2

Application

Media

Liquids; water; glycol solutions; Coolants

Medium temperature [°C]

0...85

Pressure rating [bar]

25

Pressure rating [MPa]

2.5

Electrical data

Operating voltage [V]

10...30 DC; (to SELV/PELV)

Current consumption [mA]

< 15

Protection class

III

Reverse polarity protection

yes

Inputs / outputs

Number of inputs and outputs

Number of digital outputs: 1

Outputs

Total number of outputs

1

Output signal

switching signal

Electrical design

PNP

Number of digital outputs

1

Output function

normally open

Max. voltage drop switching output DC [V]

2.5

Permanent current rating of switching output DC [mA]

100

Short-circuit protection

yes

Overload protection

yes

Measuring/setting range

Setting range [l/min]

2...20

Accuracy / deviations

Repeatability [% of the final value]

1

Hysteresis [l/min]

0,3...4

Measuring error [% of the final value]

± 5

Reaction times

Response time [s]

< 0.01

Operating conditions

Ambient temperature [°C]

0...60

Storage temperature [°C]

-15...80

Protection

IP 65; IP 67

Tests / approvals

EMC

DIN EN 61000-6-2

DIN EN 61000-6-3

Shock resistance

DIN EN 60068-2-27

20 g (11 ms)

Vibration resistance

DIN EN 60068-2-6

5 g (10...2000 Hz)

MTTF [years]

15.78

Mechanical data

Weight [g]

388.5

Material

brass chemically nickel-plated; PP; aluminum anodized; PA

Materials (wetted parts)

stainless steel (1.4310 / 301); stainless steel (1.4301 / 304); PBT; brass chemically nickel-plated; PP;
PPS; O-ring: FKM

Process connection

Rp 1/2

Switching cycles mechanical

10 million

Displays / operating elements

Display

Switching status

