

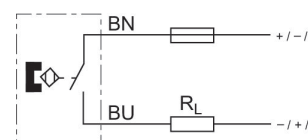
Sensor, Series SN2

0830100317

General series information

AVENTICS Series SN2 Magnetic proximity sensors

- The AVENTICS Series SN2 sensors are compatible with a range of cylinders. With their universal functionality and shape, the sensors of the Series SN2 are found in a variety of industries and applications. With a robust reed sensor they are designed for a wide voltage range of up to 240 VAC.



Technical data

Industry

Indirect mounting for series

Industrial

TRB

PRA

ITS

MNI

CSL-RD

ICM

RPC

TRR

FLT

CVI

Version

Heat resistant

Cable

with cable

Type of contact

Reed

Switching capacity

10 W / 10 VA

Protection class

IP67

Min. ambient temperature

-20 °C

Max. ambient temperature

120 °C

Voltage drop U at I_{max}

2,1 V + I^{*}R_s

Protective resistor for reed

27 Ω

DC switching current, max.

0.12 A

AC switching current, max.

0.12 A

Switching point precision

±0,1 mT

Electrical connection 2, type

without wire end ferrule, tin-plated

Electrical connection 2, number of poles

2-pin

Operating voltage DC, min.	12 V DC
Operating voltage DC, max.	60 V DC
Operating voltage AC, min.	12 V AC
Operational voltage AC, max.	240 V AC
Short circuit resistance	Protected against polarity reversal
Shock resistance	100 g / 11 ms
Vibration resistance	30 g (50 - 1000 Hz)
Cable length L	3 m

Material

Housing material	Polyamide
Material cable sheath	Thermoplastic elastomer
Part No.	0830100317

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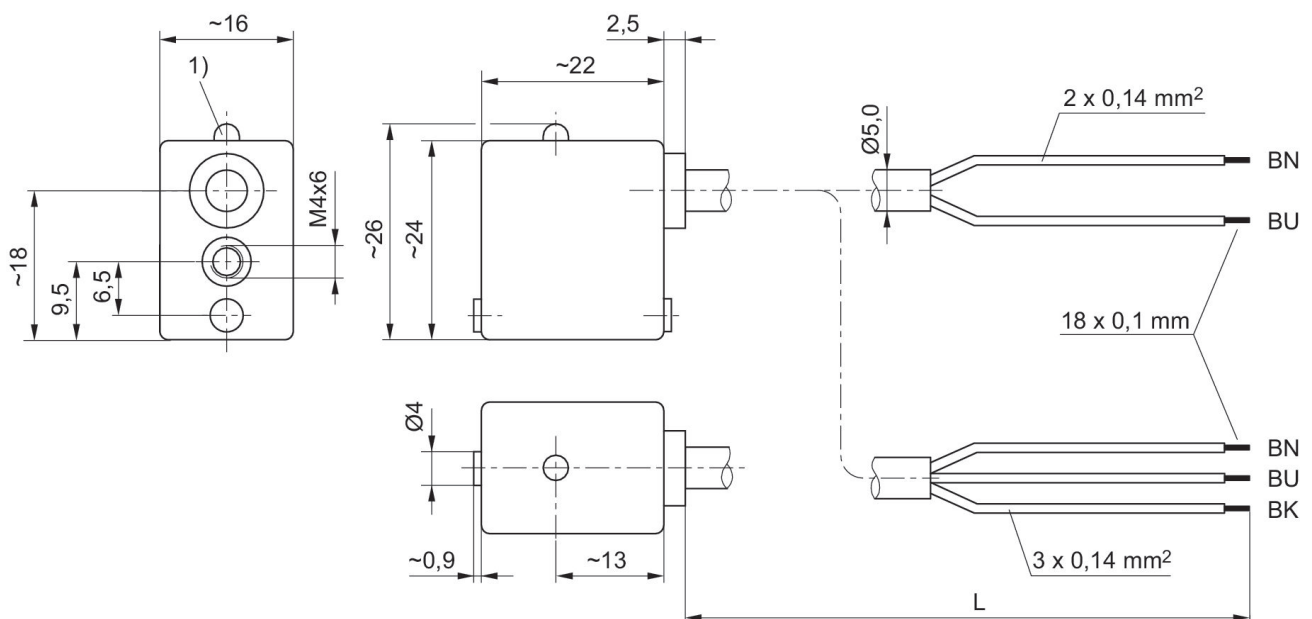
If reed sensors are used, we recommend using a short-circuit protective device (SCPD).

The pressure dew point must be at least 15 °C less than ambient and medium temperature and may not exceed 3 °C.

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in <https://www.emerson.com/en-us/support>).

Dimensions



1) LED

L = cable length BN = brown, BK = black, BU = blue