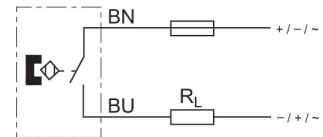# Sensor, Series SN2
0830100370

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	Industrial
Indirect mounting for series	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	80 °C
Voltage drop U at Imax	2,1 V + I*Rs
Protective resistor for reed	1,3 Ω
DC switching current, max.	0.3 A
AC switching current, max.	0.5 A
Switching point precision	±0,1 mT
LED status display	Yellow
Electrical connection 2, type	without wire end ferrule, tin-plated

EMERSON™

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	50 g / 11 ms
Vibration resistance	30 g (50 - 1000 Hz)
Cable length L	3 m

Material

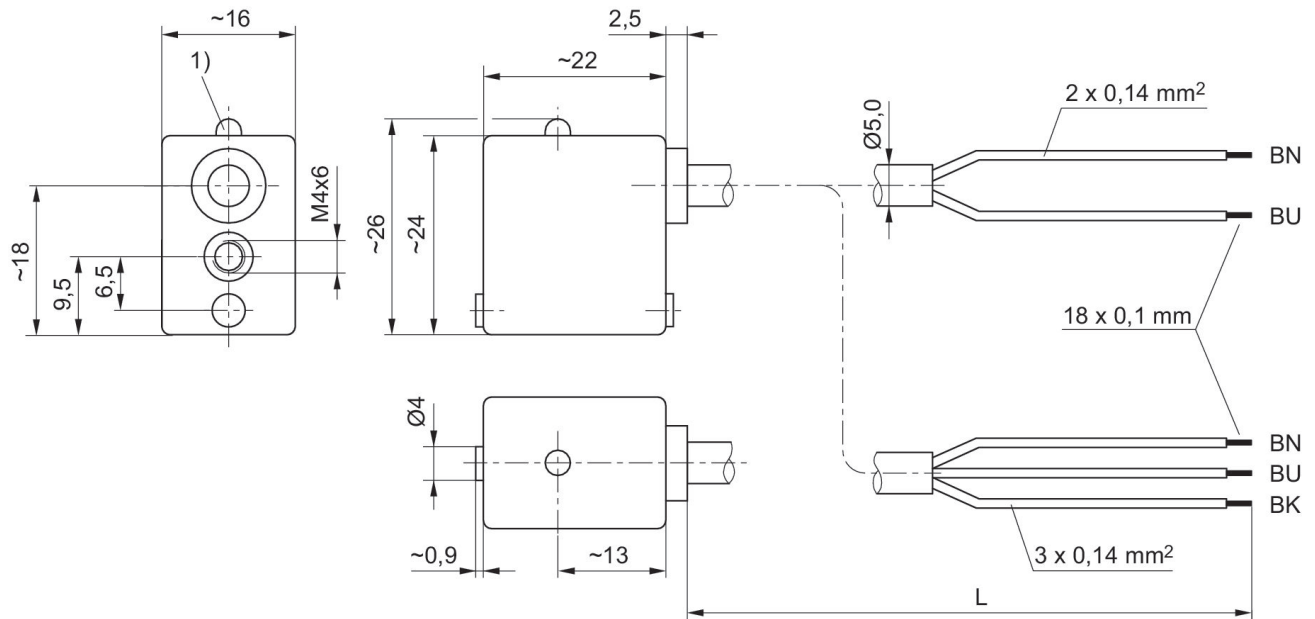|	
Housing material	Polyamide
Material cable sheath	Polyurethane
Part No.	0830100370

Technical information

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).

EMERSON

Dimensions

1) LED
L = cable length BN = brown, BK = black, BU = blue

EMERSON™