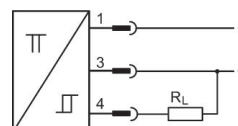


AVENTICS Series SN5-X Magnetic proximity sensors

AVENTICS Series SN5-X are Magnetic Sensor that responds to ferromagnetic material, Especially designed for Welding applications.



Technical data

Industry

Industrial

Indirect mounting for series

TRB
ITS

Version

Sensor responds to ferromagnetic material.
Time delay
With stretched impulse

Sensor

Time delay

Type of contact

electronic PNP

Nominal current, actuated state

< 25 mA

Quiescent current (without load)

< 14 mA

Protection class

IP67

Min. ambient temperature

-10 °C

Max. ambient temperature

70 °C

Voltage drop U at I_{max}

≤ 2,0 V

Max. DC switching current

0.2 A

Switching point precision

±0,1 mT

Display

LED

LED status display

Yellow
Green

Electrical connection 2, type

Socket

Sensor, Series SN5-X

0830100534

Sensors,
Series SN5-
X

2023-10-19

Electrical connection 2, thread size	M12
Electrical connection 2, number of poles	3-pin
Min. operating voltage DC	15 V DC
Max. operating voltage DC	30 V DC
Short circuit resistance	short circuit resistant Protected against polarity reversal

Material

Housing material	epoxy resin
Part No.	0830100534

Technical information

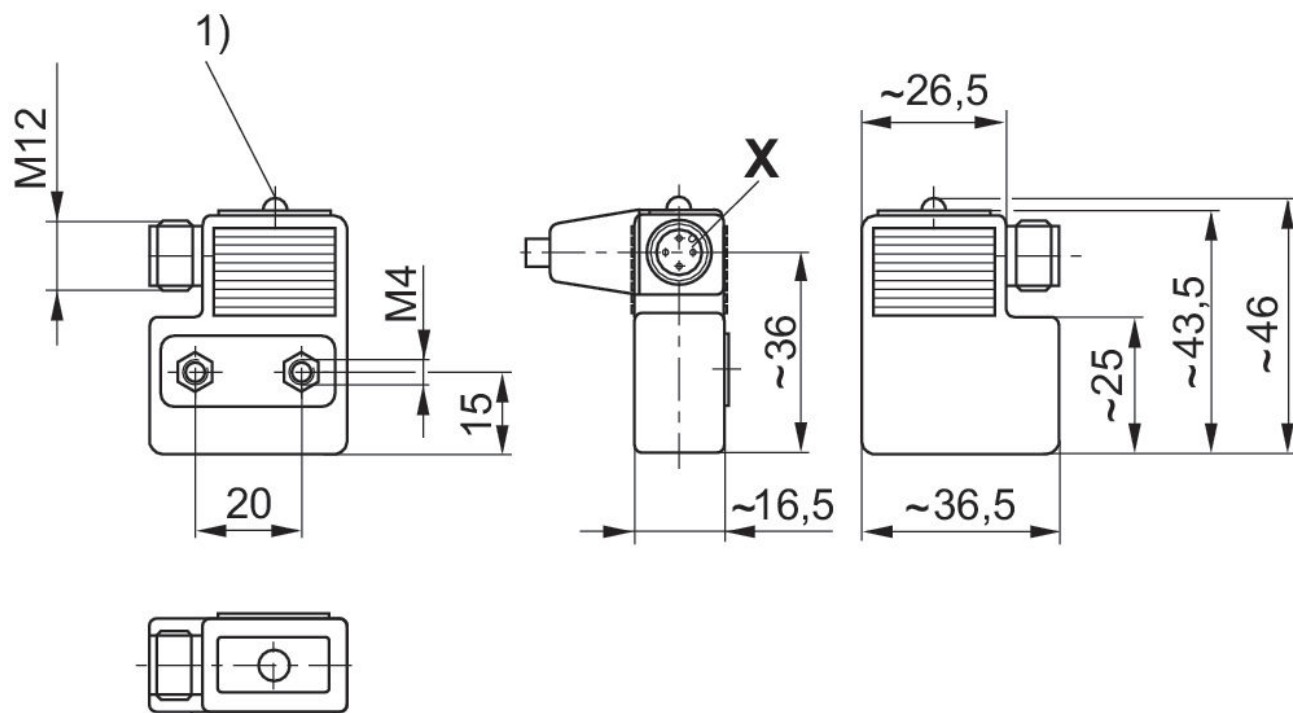
Sensor responds to ferromagnetic material.

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

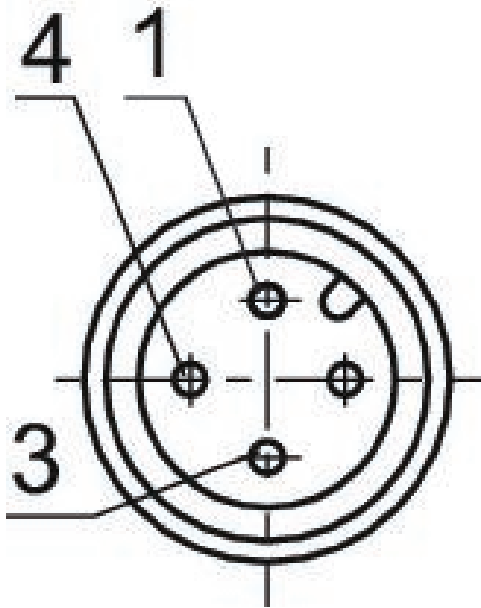
Sensor, Series SN5-X

0830100534

Sensors,
Series SN5-
X

Pin assignments

2023-10-19



Pin assignments

Pin	Allocation
1	(+)
3	(-)
4	(OUT)