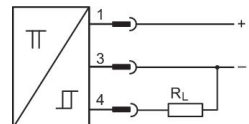


AVENTICS Series SN3 Magnetic proximity sensors

AVENTICS Series SN3 are Magnetic sensor ideal for demanding environment, especially for welding applications.



Technical data

Industry

Indirect mounting for series

Industrial

PRA

PRE

CCI

KPZ

KHZ

FLT

GPC

CVI

Version

welding-proof

Type of contact

PNP

Operational voltage

10-30 V DC

Nominal current, actuated state

$\leq 10 \text{ mA}$

Quiescent current (without load)

$\leq 5 \text{ mA}$

Protection class

IP67

IP65

Min. ambient temperature

$-25 \text{ }^{\circ}\text{C}$

Max. ambient temperature

$70 \text{ }^{\circ}\text{C}$

Voltage drop U at I_{max}

$\leq 1,8 \text{ V}$

Max. DC switching current

0.2 A

Max. switching frequency

20 Hz

Switching point precision	±0,1 mT
LED status display	Yellow
Electrical connection 2, type	Plug
Electrical connection 2, thread size	M12
Electrical connection 2, number of poles	3-pin
Short circuit resistance	short circuit resistant Protected against polarity reversal
Shock resistance	30 g / 11 ms
Vibration resistance	55 Hz, 1 mm

Material

Housing material	Polyamide
Part No.	0830100438

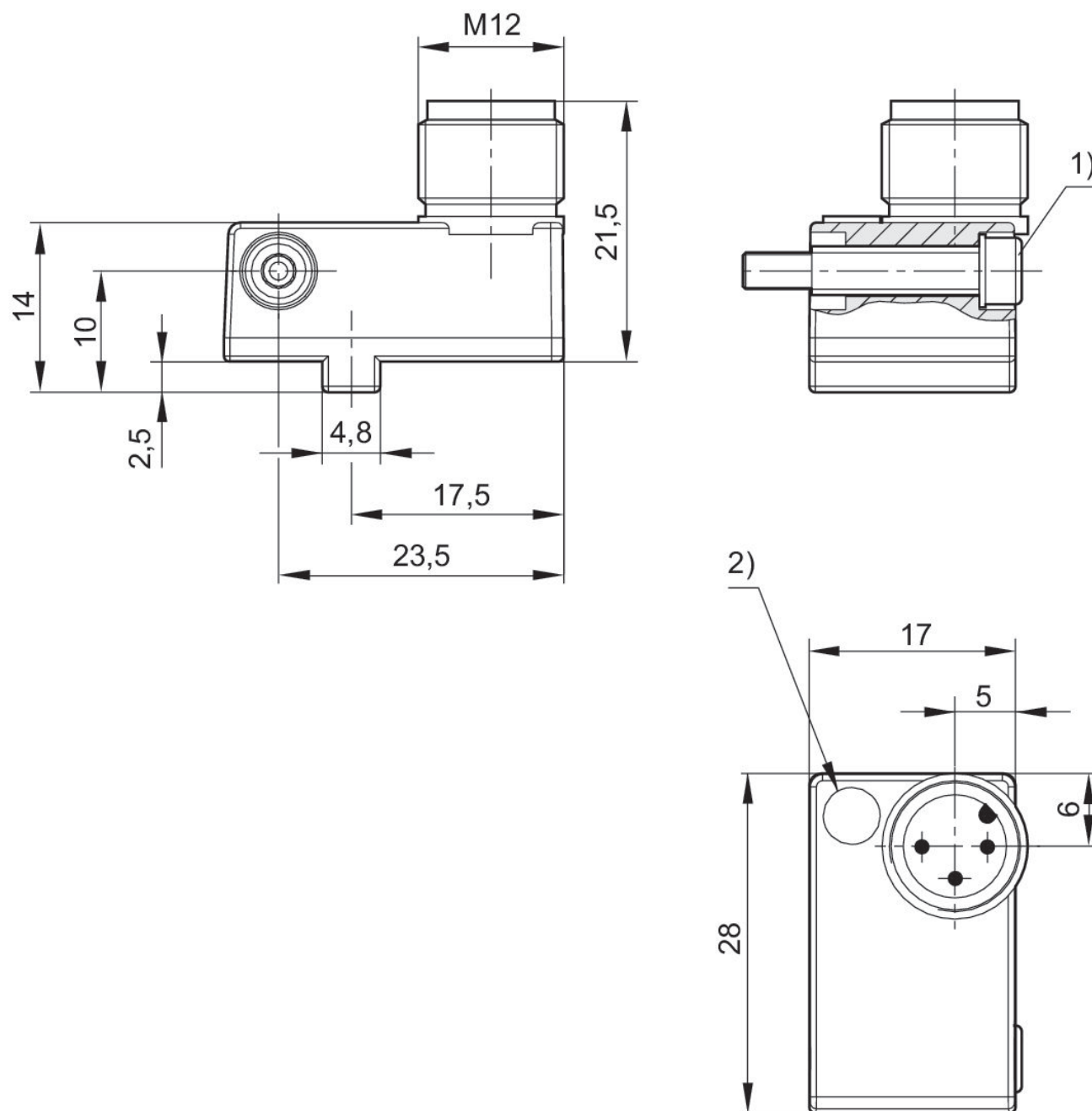
Technical information

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

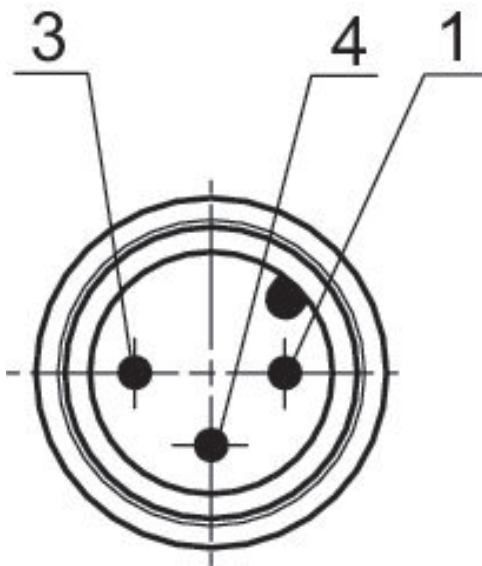


1) Clamping screw

2) LED

Pin assignments: 1 = (+), 3 = (-), 4 = (OUT), EN 60947-5-2:1998

Pin assignments



Pin assignments

Pin	Allocation
1	(+)
3	(-)
4	(OUT) EN 60947-5-2:1998