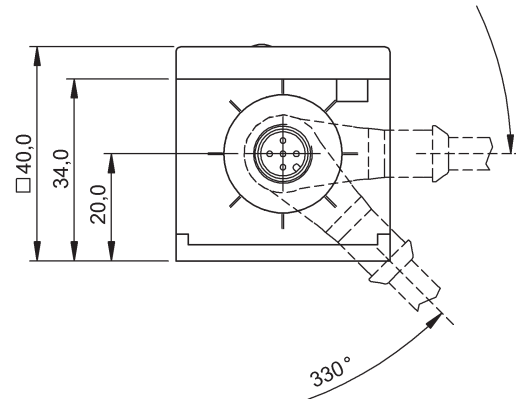
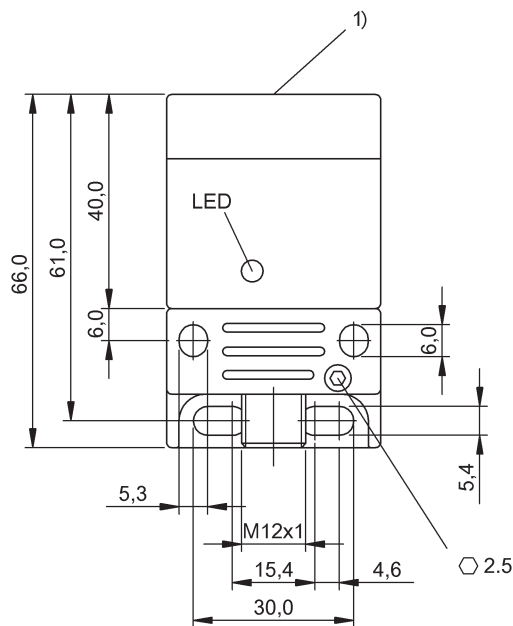




1) Active surface

- NAMUR (analog)
- 35.00 mm
- Non embeddable
- Connector, M12x1-S92

**General attributes**

Approvals / Conformity

CE
FM
cCSAus
EAC

Basic standard

IEC 60947-5-6
EN 61241-11
EN 61241-0
EN 60079-26
EN 60079-11
EN 60079-0

Enclosure Type per IEC 60529

Explosion proofness

IP67
BVS 05 ATEX E 162 X
Ex II 1 D Ex iaD 20 T 90 °C / Ta: -20 °C
to +70 °C
Connection to approved intrinsically safe
circuits with max. values U=15 V/I=50 mA
Ex II 2G Ex ia IIC T6 / Ta: -20 °C bis
+70 °C

Function indicator

Yes

Polarity reversal protected

No

Power indicator

No

MTTF (40°C)

2930 a

Electrical attributes

Connection type

Connector

Current draw damped max.

1.0 mA

Current draw undamped min.

2.10 mA

Eff. operating voltage Ue DC

8.2 V

Electrical version

DC, direct current

Internal capacitance Ci max.

220 nF

Internal inductivity Li max.

0.710 mH

Operating voltage UB max. DC [V]

9.0 V

Operating voltage UB min. DC [V]

7.7 V

Power Pi max.

120.0 mW

Rated insulation voltage Ui

75 VDC

Rated series resistance Rv

1000 Ohm

Switching freq. f max. (at Ue)

100 Hz

Switching function

NAMUR (analog)

Mechanical attributes

Ambient temperature Ta max.

70 °C

Ambient temperature Ta min.

-20 °C

Assured operating distance Sa

28.00 mm

Connector type

M12x1-S92

Depth

66.0 mm

Eff. operating distance Sr

35.00 mm

Height (small side)

40.0 mm

Housing material

PPE / PPS

Mech. installation condition

Non embeddable

Rated operating distance Sn [mm]

35.00 mm

Sensing face material

PPE

Switching distance diff. max.

15.00 %

Width (long side)

40.0 mm

Remarks

For use only with suitable approved switching amplifier.

The operating manual document number 844836 must be followed.

For further information on MTTF/B10d, please refer to the MTTF / B10d Certificate.

Specification of the MTTF value and the B10d value do not represent any binding quality and/or life expectancy guarantees.

