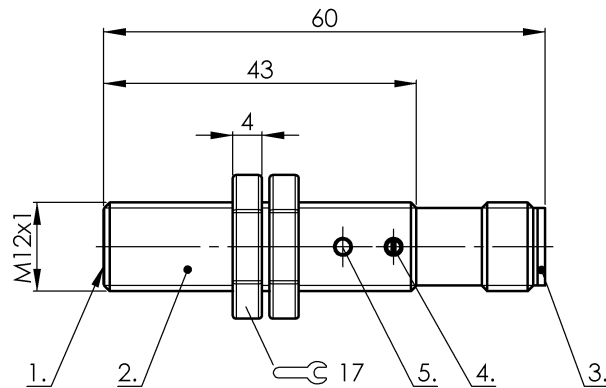




1) Sensing surface, 2) Housing, 3) Cover, 4) Potentiometer, 5) LED function indicator



Display/Operation

Function indicator yes

Electrical connection

Connection M12x1-Male, 4-pin, A-coded
 Polarity reversal protected yes
 Protection against device mix-ups yes
 Short-circuit protection yes

Electrical data

No-load current I_0 max. at U_e 12 mA
 Operating voltage U_b 12...35 VDC
 Rated insulation voltage U_i 75 V DC
 Rated operating current I_e 200 mA
 Rated operating voltage U_e DC 24 V
 Ripple max. (% of U_e) 10 %
 Switching frequency 100 Hz
 Utilization category DC -13
 Voltage drop static max. 1.5 V

Environmental conditions

Ambient temperature -30...70 °C
 Contamination scale 1
 IP rating IP65

Functional safety

MTTF (40 °C) 584 a

General data

Approval/Conformity CE
 cULus
 WEEE
 Basic standard IEC 60947-5-2
 Scope of delivery Nut (2x)
 Screwdriver
 Short guide
 Sensitivity Switching distance adjustable
 Series M12

Material

Cover material PA
 Housing material Stainless steel (1.4301)
 Material sensing surface PTFE

Mechanical data

Dimension Ø 12 x 60 mm
 Installation for flush mounting
 Size M12x1
 Thread (A) M12x1
 Tightening torque 8 Nm

Output/Interface

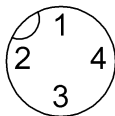
Switching output PNP normally open (NO)

Range/Distance

Hysteresis H max. (% of Sr)	15.0 %
Measuring range	1...4 mm

Rated operating distance Sn	4 mm
Repeat accuracy max. (% of Sr)	2.0 %
Temperature drift max. (% of Sr)	20 %

Connector Drawings



Wiring Diagrams

