

Product characteristics

Inductive sensor	
Metal thread M8 x 1	
Cable	
Sensing range 1 mm; [f] flush mountable	
Electrical data	
Electrical design	
Operating voltage [V]	DC NPN 10...36 DC
Current consumption [mA]	15 (24 V)
Protection class	III
Reverse polarity protection	no
Outputs	
Output function	normally closed
Voltage drop [V]	< 1
Current rating [mA]	200
Short-circuit protection	no
Overload protection	no
Switching frequency [Hz]	750; (1000 nb)
Monitoring range	
Sensing range [mm]	1
Real sensing range (Sr) [mm]	1 ± 10 %
Operating distance [mm]	0...0.8
Accuracy / deviations	
Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.3 / copper approx. 0.2
Hysteresis [% of Sr]	1...15
Switch-point drift [% of Sr]	-10...10
Environment	
Ambient temperature [°C]	-25...80
Protection	IP 67
Tests / approvals	
EMC	EN 60947-5-2 EN 55011: class B
MTTF [Years]	5515
Mechanical data	
Mounting	flush mountable
Housing materials	brass white bronze coated; PBT
Weight [kg]	0.051
Displays / operating elements	
Output status indication LED	yellow
Electrical connection	
Connection	PVC cable / 2 m; 3 x 0.14 mm <sup>2</sup>

**Wiring**

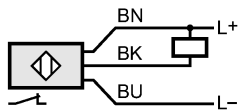
# IE5086 - Inductive sensor - eclass: 27270101 / 27-27-01-01

## Core colors

BN brown

BU blue

BK black



## Accessories

Accessories (included)

2 lock nuts

Remarks

Pack quantity

[piece]

1