

Product characteristics

Inductive sensor	
Metal thread M12 x 1	
Cable	
Sensing range 2 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	yes
Outputs	
Output function	normally open
Voltage drop [V]	< 2.5
Current rating [mA]	250
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	1000
Monitoring range	
Sensing range [mm]	2
Real sensing range (Sr) [mm]	2 ± 10 %
Operating distance [mm]	0...1.6
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]	2439
Mechanical data	
Mounting	flush mountable
Housing materials	brass white bronze coated; PC (polycarbonate)
Weight [kg]	0.099
Displays / operating elements	
Output status indication LED	yellow
Electrical connection	
Connection	PVC cable / 2 m; 3 x 0.34 mm <sup>2</sup>

**Wiring**

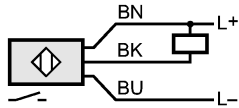
# IF5200 - Inductive sensor - eclass: 27270101 / 27-27-01-01

## Core colors

BN brown

BU blue

BK black



## Accessories

Accessories (included)

2 lock nuts

## Remarks

Pack quantity

[piece]

1