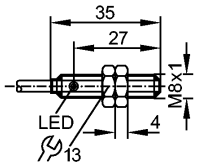
efector100

IE5072

IEB3001-BPOG

Inductive sensors



Made in Germany

CE

Product characteristics		
Inductive sensor		
Metal thread M8 x 1		
Cable		
Sensing range 1 mm; [f] flush mountable		
Electrical data		
Electrical design		DC PNP
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15; (24 V)
Protection class		III
Reverse polarity protection		no
Outputs		
Output function		normally open
Voltage drop	[V]	< 1
Current rating	[mA]	200
Short-circuit protection		no
Overload protection		no
Switching frequency	[Hz]	750
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 / Al approx. 0.3 / Cu 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]	5542
Mechanical data		
Mounting		flush mountable
Housing materials		Brass white bronze coated; active face: PBT
Weight	[kg]	0.053
Displays / operating elements		

Output status indication	LED	yellow

Electrical connection

Connection	PVC cable / 2 m; 3 x 0.14 mm²

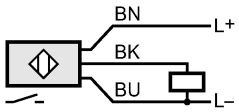
Wiring

Core colours

BN brown

BU blue

BK black



Accessories

Accessories (included)	2 lock nuts

Remarks

Pack quantity	[piece]	1