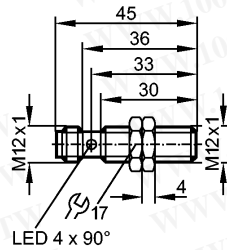




IF5909

IFB3004BBPKG/US-104-DPS

Inductive sensors



Made in Germany

Product characteristics	
Inductive sensor	
Metal thread M12 x 1	
Connector	
Sensing range 4 mm; [f] flush mountable	
Electrical data	
Electrical design	DC PNP
Operating voltage [V]	10...36 DC
Current consumption [mA]	15 (24 V)
Protection class	II
Reverse polarity protection	yes
Outputs	
Output function	normally open
Voltage drop [V]	< 2.5
Current rating [mA]	250
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	250
Range	
Sensing range [mm]	4
Real sensing range (Sr) [mm]	4 ± 10 %
Operating distance [mm]	0...3.25
Accuracy / deviations	
Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / Al approx. 0.4 / Cu approx. 0.3
Hysteresis [% of Sr]	3...20
Switch-point drift [% of Sr]	-10...10
Environment	
Ambient temperature [°C]	-25...70
Protection	IP 67
Tests / approvals	
EMC	EN 60947-5-2 EN 55011: class B
MTTF [Years]	2560
Mechanical data	
Mounting	flush mountable
Housing materials	Brass white bronze coated; PC (polycarbonate)



IF5909

IFB3004BBPKG/US-104-DPS

Weight [kg] 0.026

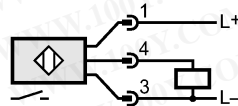
Displays / operating elements

Output status indication LED 4 x yellow

Electrical connection

Connection M12 connector

Wiring



Accessories

Accessories (included) 2 lock nuts

Remarks

Pack quantity [piece] 1