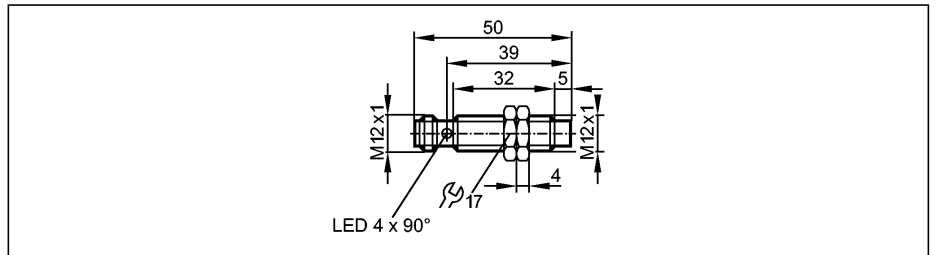


Inductive sensors

IFT200

IFB3007-BPKG/M/V4A/US
 Inductive sensor
 Metal thread M12 x 1
 Connector
 Increased sensing range
 gold-plated contacts

Sensing range 7 mm [nf]
 non-flush mountable



Made in Germany



Electrical design	DC PNP normally open
Output	
Operating voltage [V]	10...36 DC
Current rating [mA]	100
Short-circuit protection	pulsed
Reverse polarity protection	yes
Overload protection	yes
Voltage drop [V]	< 2.5
Leakage current [mA]	< 0.5
Current consumption [mA]	< 10 (24 V)
Real sensing range (Sr) [mm]	7 ± 10 %
Operating distance [mm]	0...5.7
Switch-point drift [% of Sr]	-10...10
Hysteresis [% of Sr]	3...15
Switching frequency [Hz]	800
Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / Al approx. 0.4 / Cu approx. 0.3
Ambient temperature [°C]	0...100
Protection	IP 68 / IP 69K *, II
EMC	EN 61000-4-2 ESD: 4 kV CD / 8 kV AD EN 61000-4-3 HF radiated: 10 V/m (80...1000 MHz) EN 61000-4-4 Burst: 2 kV EN 61000-4-6 HF conducted: 10 V (0.15...80 MHz) EN 55011: class B
MTTF [Years]	2006
Housing materials	threaded sleeve: V4A (316S12); active face: PEEK (polyether ether ketone); lock nuts: high-grade stainless steel
Function display	
Switching status	LED yellow (4 x 90°)
Connection	M12 connector; gold-plated contacts
Weight [kg]	0.025
Remarks	*) "COP"
Accessories (included)	2 lock nuts

Wiring

