efector100

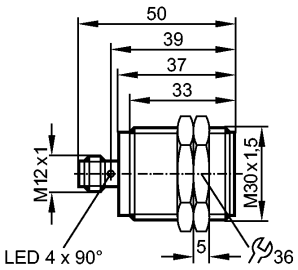
ifm electronic

Inductive sensors

IIS204

IIB3015BBPKG/M/US
Inductive sensor
Metal thread M30 x 1.5
Connector
Increased sensing range
gold-plated contacts

Sensing range 15 mm [f]
flush mountable



Made in Germany

Electrical design Output		DC PNP normally open
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
Current consumption	[mA]	< 10 (24 V)
Real sensing range (Sr)	[mm]	15 ± 10 %
Operating distance	[mm]	0...12.1
Switch-point drift	[% of Sr]	-10...10
Hysteresis	[% of Sr]	3...15
Switching frequency	[Hz]	100
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]	-25...70
Protection		IP 67, 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]	1992
Housing materials		brass white bronze coated; active face: PBT
Function display		
Switching status	LED	yellow (4 x 90°)
Connection		M12 connector; gold-plated contacts
Weight	[kg]	0.119
Accessories (included)		2 lock nuts

Wiring



