efector100

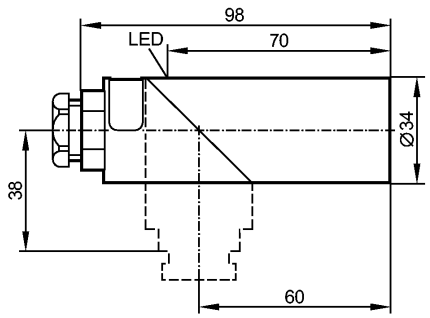
ifm electronic

Inductive sensors

IB5063

IBE3020-FPKG
Inductive sensor
Plastic housing Ø 34 mm
Terminals

Sensing range 20 mm [nf]
non-flush mountable



Made in Germany

CE cULus LISTED

Electrical design Output		DC PNP normally open / closed programmable
Operating voltage	[V]	10...36 DC
Current rating	[mA]	250
Short-circuit protection		pulsed
Reverse polarity protection		yes
Overload protection		yes
Voltage drop	[V]	< 2.5
Current consumption	[mA]	< 15 (24 V)
Real sensing range (Sr)	[mm]	20 ± 10 %
Operating distance	[mm]	0...16.2
Switch-point drift	[% of Sr]	-10...10
Hysteresis	[% of Sr]	1...15
Switching frequency	[Hz]	350
Correction factors		mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / Al approx. 0.3 / Cu approx. 0.2
Ambient temperature	[°C]	-25...80
Protection		IP 65, II
EMC		EN 60947-5-2 EN 55011: class B
MTTF	[Years]	2450
Housing materials		PBT; end cap: polycarbonate
Function display Switching status	LED	yellow
Connection		terminals up to 2.5 mm²; cable diameter 7...13 mm, cable gland M20 x 1.5
Weight	[kg]	0.185
Accessories (included)		Mounting clamp

Wiring

