efector100

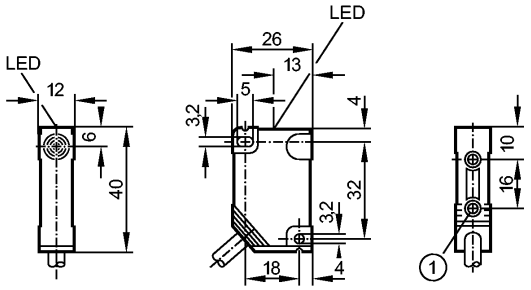
ifm electronic

Inductive sensors

IN5129

IN-3004-BPKG
Inductive sensor
Rectangular, plastics
Cable

Sensing range 4 mm [nf]
non-flush mountable



1: threaded insert M3, depth 5.8 mm, max. tightening torque 1.2 Nm (screw fixing class 8.8) when brass insert in contact with counterpart.

Made in Germany

CE

Electrical design Output		DC PNP normally open
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]	4 ± 10 %
Operating distance	[mm]	0...3.25
Switch-point drift	[% of Sr]	-10...10
Hysteresis	[% of Sr]	1...15
Switching frequency	[Hz]	1300
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 67, II
EMC		EN 60947-5-2 EN 55011: class B
MTTF	[Years]	1925
Housing materials		PBT
Function display		
Switching status	LED	yellow
Connection		PVC cable / 2 m; 3 x 0.5 mm²
Weight	[kg]	0.11

Wiring

Core colours
BN brown
BU blue
BK black

