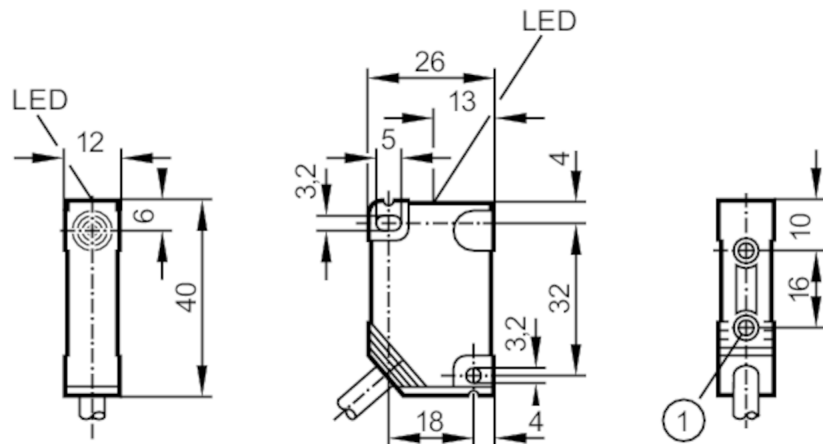


IN511A



Inductive sensor

IN-3004-BPKG/10M/3D



- 1 threaded bush M3 Depth 5.8 mm
Tightening torque maximum 1.2 Nm screw fixing class 8.8
when brass insert in contact with counterpart



Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	15; (24 V)
Protection class	III
Reverse polarity protection	yes

Outputs

Electrical design	PNP
Output function	normally open
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	250
Switching frequency DC [Hz]	1300
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Sensing range [mm]	4
Real sensing range S_r [mm]	$4 \pm 10 \%$
Operating distance [mm]	0...3.24

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis [% of S_r]	1...15
Switch point drift [% of S_r]	-10...10

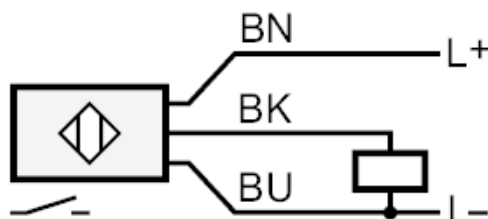
IN511A



Inductive sensor

IN-3004-BPKG/10M/3D

Operating conditions		
Ambient temperature	[°C]	-20...60
Protection		IP 67
Tests / approvals		
ATEX marking	 II 3D Ex tc IIIC T85°C Dc U	
EMC	EN 60947-5-2	
MTTF	[years]	1915
Mechanical data		
Weight	[g]	493.4
Housing	rectangular	
Mounting	non-flush mountable	
Dimensions	[mm]	40 x 12 x 26
Materials	PBT	
Displays / operating elements		
Display	switching status	1 x LED, yellow
Remarks		
Remarks	The sensor is a component for use in switch boxes suitable for hazardous areas.	
Pack quantity	1 pcs.	
Electrical connection		
Cable: 10 m, PVC; 3 x 0.5 mm²		
Connection		



Core colours :

BN = brown
BU = blue
BK = black