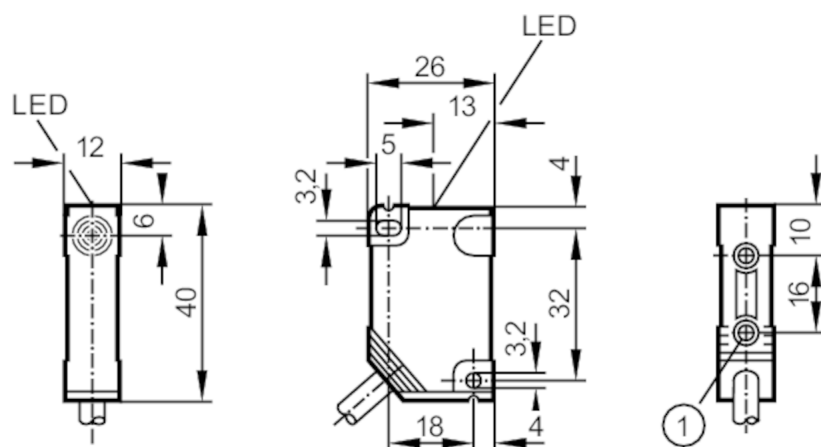


IN511A



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



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	4
Housing	rectangular
Dimensions [mm]	40 x 12 x 26

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 Sr [mm]	$4 \pm 10 \%$
Operating distance [mm]	0...3.24

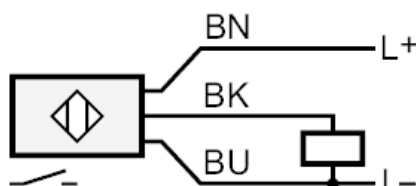
IN511A



Inductive sensor

IN-3004-BPKG/10M/3D

Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2	
Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-10...10
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]	505.5
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 mm ²		
Connection		



BN = Core colours :
brown
BU = blue
BK = black