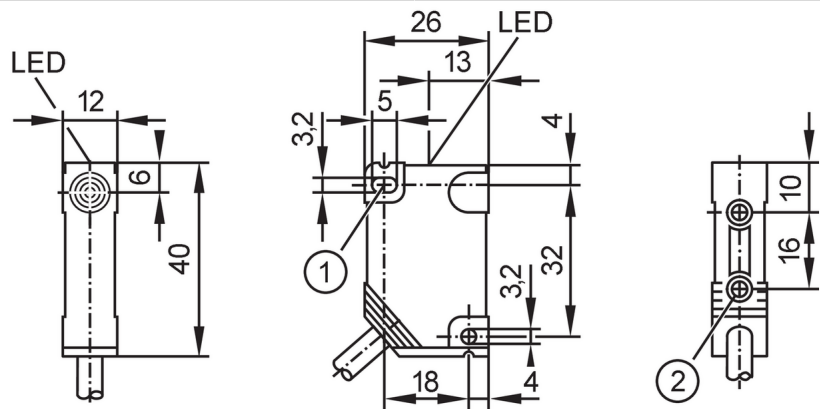


IN511A



Inductive sensor

IN-3004-BPKG/10M/3D



- 1 mounting hole
2 threaded bush M3 Depth 5.8 mm



Product characteristics

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

Application

Application	For applications in hazardous areas
-------------	-------------------------------------

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	yes (non-latching)
Overload protection	yes

Monitoring range

Sensing range [mm]	4
Real sensing range Sr [mm]	4 ± 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 / aluminum: 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
Material		housing: PBT	
Mounting hole			
Tightening torque		[Nm]	< 0.5
Threaded bush			
Tightening torque		[Nm]	< 1.2; (when brass insert in contact with counterpart)
Displays / operating elements			
Display		Switching status	1 x LED, yellow
Remarks			
Remarks		The sensor is for use as a component in switch boxes suitable for explosion-hazardous areas.	
Pack quantity		1 pcs.	

IN511A



Inductive sensor

IN-3004-BPKG/10M/3D

Electrical connection

Cable: 10 m, PVC; 3 x 0.5 mm²

Connection



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