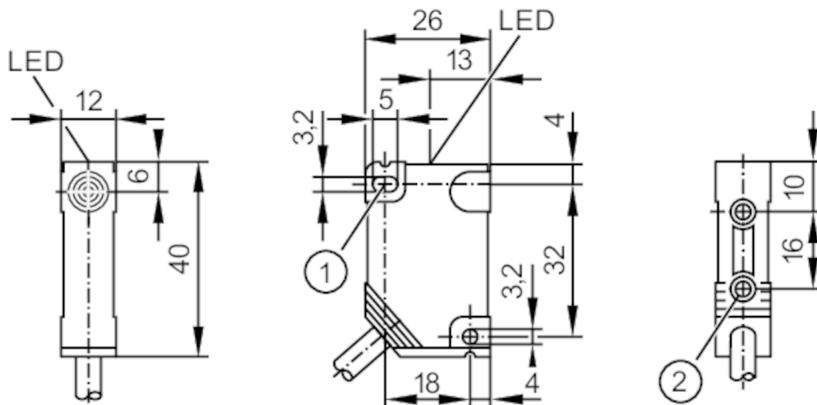


Inductive sensor

IN-2004-ARKG/2A/3M



1 fixing 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		
Special feature	Halogen-free	
Electrical data		
Operating voltage [V]	10...36 DC	
Protection class	II	
Reverse polarity protection	yes	
Outputs		
Electrical design	PNP	
Output function	normally open	
Max. voltage drop switching output DC [V]	4	
Minimum load current [mA]	5	
Max. leakage current [mA]	1	
Short-time current rating of switching output [mA]	2000; (only for mounting on a solid metal plate or cooling plate: 150 x 50 x 2 mm Intermittent operation with a max. switch-on time of the load current of 4 s. After that a min. switch-off time of the load current of 2 s has to be kept.)	
Switching frequency DC [Hz]	70	
Detection zone		
Sensing range [mm]	4	
Real sensing range Sr [mm]	4 ± 10 %	
Operating distance [mm]	0...3.25	

IN5281



Inductive sensor

IN-2004-ARKG/2A/3M

Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
MTTF	[years]	874
Mechanical data		
Weight	[g]	143
Housing		rectangular
Mounting		non-flush mountable
Dimensions	[mm]	40 x 12 x 26
Materials		PBT
Fixing 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		
Pack quantity		1 pcs.
Electrical connection		
Cable: 3 m, PUR, Halogen-free; 2 x 0.5 mm ²		
Connection		
Core colours :		
BN =	brown	
BU =	blue	