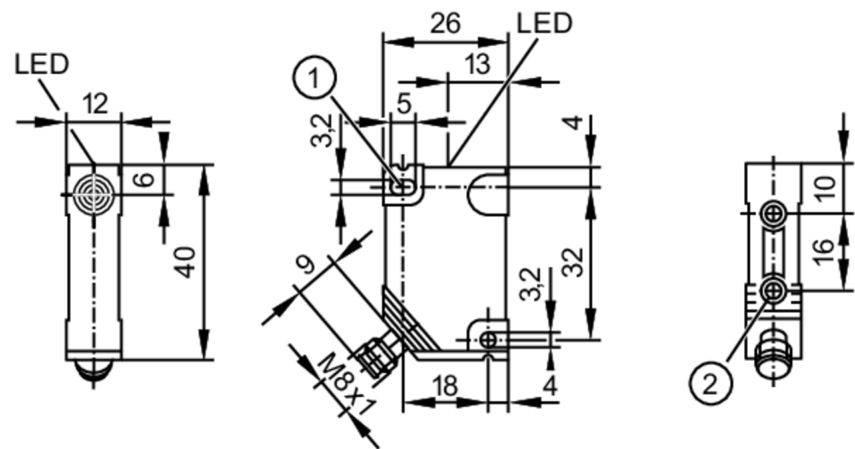




Inductive sensor

IN-2004-FRKG/AS-610-T



- 1 mounting hole
- 2 threaded bush M3 Depth 5.8 mm



Product characteristics

Electrical design	PNP/NPN
Output function	normally open / normally closed; (selectable)
Sensing range [mm]	4
Housing	rectangular
Dimensions [mm]	40 x 12 x 26

Electrical data

Operating voltage [V]	10...55 DC
Protection class	III
Reverse polarity protection	yes

Outputs

Electrical design	PNP/NPN
Output function	normally open / normally closed; (selectable)
Max. voltage drop switching output DC [V]	4.6
Minimum load current [mA]	4
Max. leakage current [mA]	0.5
Permanent current rating of switching output DC [mA]	300
Switching frequency DC [Hz]	1200
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 ± 10 %
Operating distance [mm]	0...3.25



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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]	-25...80	
Protection		IP 65		
Tests / approvals				
EMC		EN 60947-5-2		
		EN 55011	class B	
MTTF	[years]	1645		
UL approval		Ta		0...40 °C
		Enclosure type		Type 1
		power supply		Hazardous voltage
		File number UL		E174191
Mechanical data				
Weight		[g]	21	
Housing		rectangular		
Mounting		non-flush mountable		
Dimensions		[mm]	40 x 12 x 26	
Materials		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, red
Remarks				
Pack quantity		1 pcs.		

IN5258



Inductive sensor

IN-2004-FRKG/AS-610-T

Electrical connection - plug

Connector: 1 x M8; coding: A

