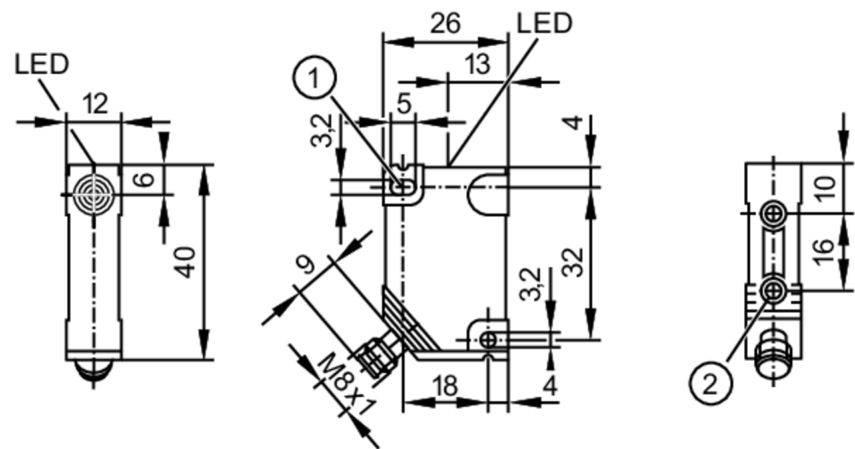




Inductive sensor

IN-2002-FRKG/AS-610-TRF



- 1 fixing 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]	2
Housing	rectangular
Dimensions [mm]	40 x 12 x 26

Electrical data

Operating voltage [V]	10...36 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]	400
Switching frequency DC [Hz]	1300
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Sensing range [mm]	2
Real sensing range Sr [mm]	2 ± 10 %
Operating distance [mm]	0...1.6



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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]	1773
Mechanical data		
Weight	[g]	20.2
Housing		rectangular
Mounting		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, red
Remarks		
Pack quantity	1 pcs.	

IN5269



Inductive sensor

IN-2002-FRKG/AS-610-TRF

Electrical connection - plug

Connector: 1 x M8; coding: A

