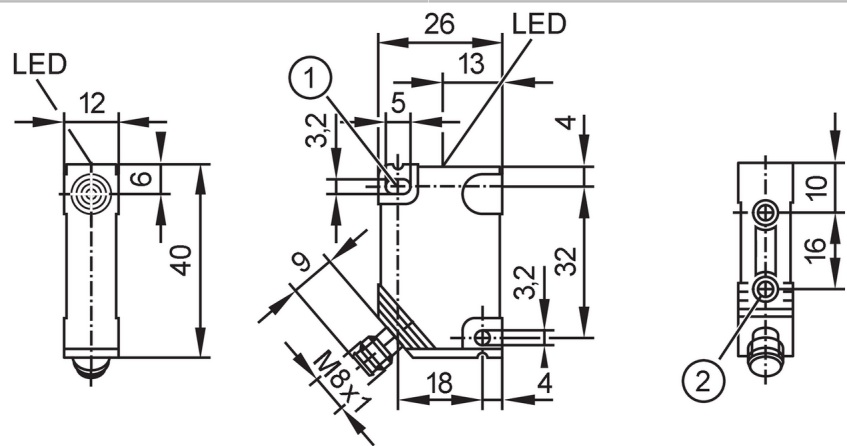




Inductive sensor

IN-2002-FRKG/AS-610-TRF



- 1 mounting hole
2 threaded bush M3 Depth 5.8 mm



Product characteristics		
Electrical design		PNP/NPN
Output function		normally open / 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 / 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		yes (non-latching)
Overload protection		yes
Monitoring range		
Sensing range	[mm]	2
Real sensing range Sr	[mm]	2 ± 10 %
Operating distance	[mm]	0...1.6
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2

IN5269



Inductive sensor

IN-2002-FRKG/AS-610-TRF

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
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, red

Remarks		
Pack quantity		1 pcs.

Electrical connection - plug

Connector: 1 x M8; coding: A

