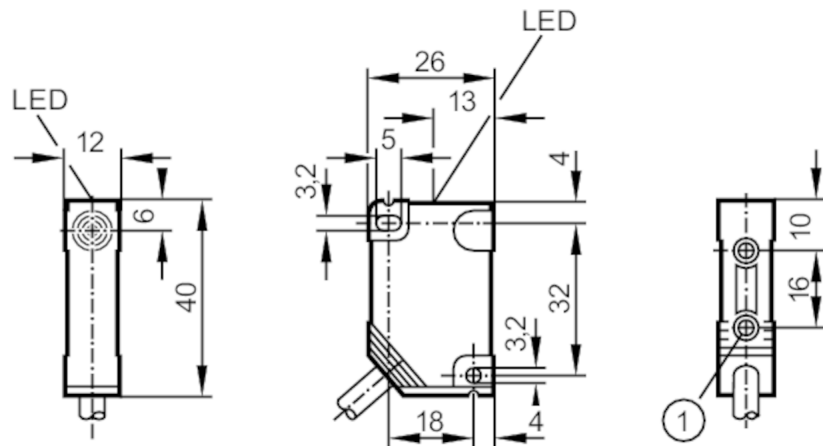


# IN5276



## Inductive sensor

IN-2004-FRKG/10M/PH



- 1 threaded bush M3 Depth 5.8 mm  
Tightening torque maximum 1.2 Nm screw fixing class 8.8  
when brass insert in contact with counterpart



### 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		II
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 %

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Operating distance	[mm]	0...3.25
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### Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.4 / 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

EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	1645

### Mechanical data

Weight	[g]	384.5
Housing		rectangular
Mounting		non-flush mountable
Dimensions	[mm]	40 x 12 x 26
Materials		PBT

### Displays / operating elements

Display	switching status	1 x LED, yellow
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### Remarks

Pack quantity		1 pcs.
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### Electrical connection

Cable: 10 m, PUR; 2 x 0.5 mm<sup>2</sup>

### Connection



	Core colours :
BN =	brown
BU =	blue
BK =	black
WH =	white