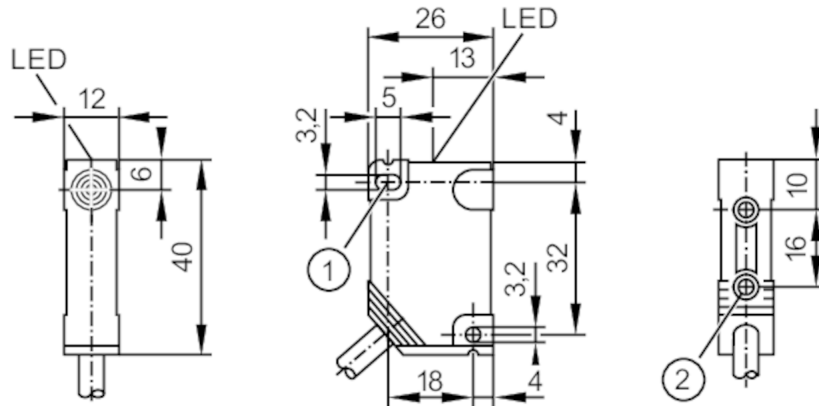


# IN5207



## Inductive sensor

IN-2002-FRKG/PH



- 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...55 DC
Protection class	II
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 $S_r$ [mm]	$2 \pm 10\%$
Operating distance [mm]	0...1.6

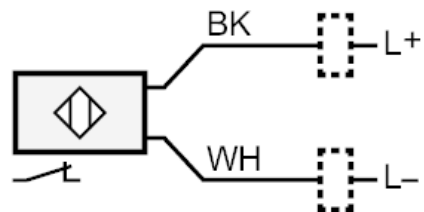
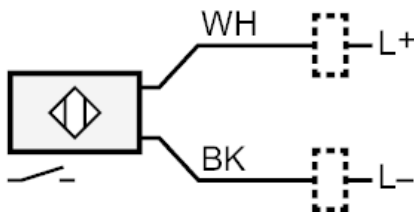
# IN5207



## Inductive sensor

IN-2002-FRKG/PH

Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 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]	1773
Mechanical data		
Weight	[g]	95.4
Housing		rectangular
Mounting		flush mountable
Dimensions	[mm]	40 x 12 x 26
Material		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, yellow
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 2 m, PUR / PVC; 2 x 0.5 mm <sup>2</sup>		
Connection		



- Core colors :
- BN = brown
  - BU = blue
  - BK = black
  - WH = white