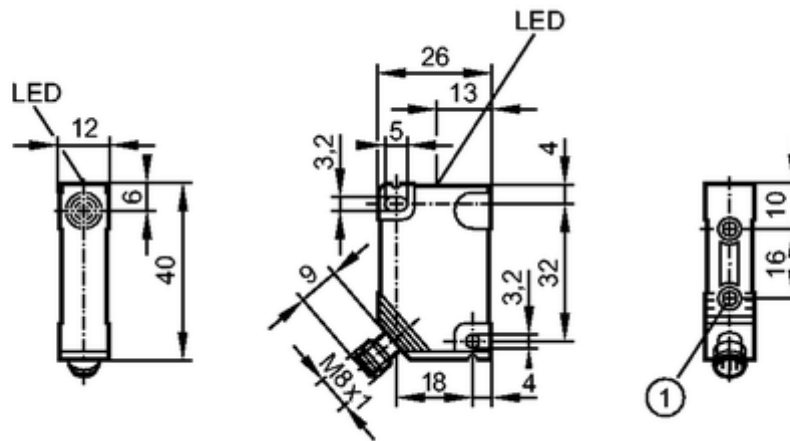


**IN5230**

IN-3002-BPKG/AS-610-T

Inductive sensors



1: threaded insert M3, depth 5.8 mm, max. tightening torque 1.2 Nm (screw fixing class 8.8) when brass insert in contact with counterpart.

**Product characteristics**

Inductive sensor

Rectangular, plastics

Connector

Sensing range 2 mm; [f] flush mountable

**Electrical data**

Electrical design	DC PNP
Operating voltage [V]	10...36 DC
Current consumption [mA]	15 (24 V)
Protection class	III
Reverse polarity protection	yes

**Outputs**

Output function	normally open
Voltage drop [V]	< 2.5
Current rating [mA]	250
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	1400

**Range**

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

**Accuracy / deviations**

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / Al approx. 0.3 / Cu approx. 0.2
Hysteresis [% of Sr]	1...15
Switch-point drift [% of Sr]	-10...10

**Environment**

Ambient temperature [°C]	-20...80
Protection	IP 67

### Tests / approvals

EMC	EN 60947-5-2	
	EN 55011:	class B
MTTF [Years]	2577	

### Mechanical data

Mounting	flush mountable
Housing materials	PBT
Weight [kg]	0.024

### Displays / operating elements

Output status indication LED	yellow
------------------------------	--------

### Electrical connection

Connection	M8 connector
------------	--------------

### Wiring



### Remarks

Pack quantity [piece]	1
-----------------------	---

ifm electronic gmbh • Friedrichstraße 1 • 45128 Essen — We reserve the right to make technical alterations without prior notice. — GB — IN5230 — 08.07.2013