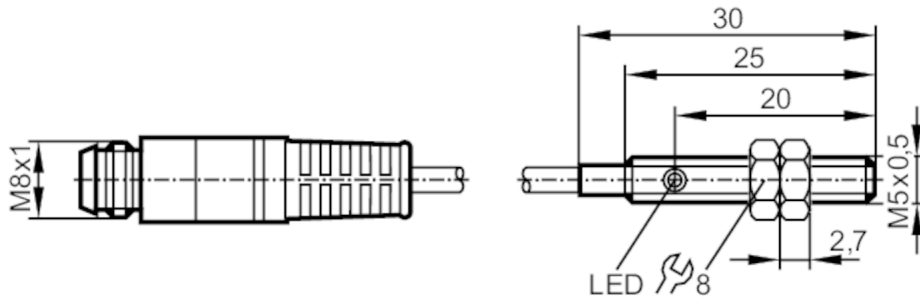


# IY5047



## Inductive sensor

IYB30,8-BPKG/V2A/0,3M/AS-610-T



### Product characteristics

Electrical design		PNP
Output function		normally open
Sensing range	[mm]	0.8
Housing		Threaded type
Dimensions	[mm]	M5 x 0.5 / L = 30

### Electrical data

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

### Outputs

Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	2000
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes

### Monitoring range

Sensing range	[mm]	0.8
Real sensing range Sr	[mm]	0.8 ± 10 %
Operating distance	[mm]	0...0.65

### Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2
Hysteresis	[% of Sr]	1...15
Switch-point drift	[% of Sr]	-10...10

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Operating conditions		
Ambient temperature	[°C]	-25...70
Protection		IP 65
Tests / approvals		
EMC		EN 60947-5-2
		EN 55011
		class B
MTTF	[years]	953
Mechanical data		
Weight	[g]	16.5
Housing		Threaded type
Mounting		flush mountable
Dimensions	[mm]	M5 x 0.5 / L = 30
Thread designation		M5 x 0.5
Material		stainless steel (1.4305 / 303); POM
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection - plug		
Cable: 0.3 m, PUR		
Connector: 1 x M8; Locking: snap-fit		

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### Connection

