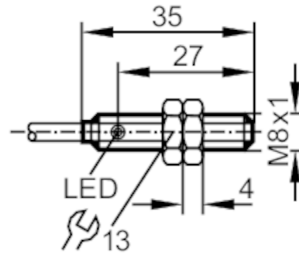


# IE5103



## Inductive sensor

IEC3002-APOG



### Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15; (24 V)
Protection class		III
Reverse polarity protection		no

### Outputs

Electrical design		PNP
Output function		normally closed
Max. voltage drop switching output DC	[V]	1
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	800
Short-circuit protection		no
Overload protection		no

### Detection zone

Sensing range	[mm]	2
Real sensing range $S_r$	[mm]	$2 \pm 10\%$
Operating distance	[mm]	0...1.6

### Accuracy / deviations

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

### Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 67

### Tests / approvals

EMC		EN 60947-5-2
MTTF	[years]	5623

# IE5103



## Inductive sensor

IEC3002-APOG

Mechanical data	
Weight [g]	42.8
Housing	threaded type
Mounting	non-flush mountable
Dimensions [mm]	M8 x 1 / L = 35
Thread designation	M8 x 1
Materials	PBT

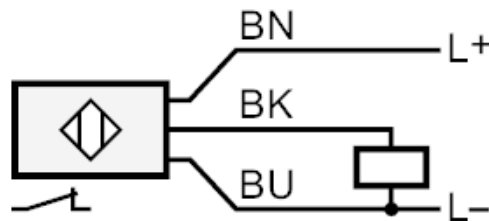
Displays / operating elements		
Display	switching status	1 x LED, yellow

Accessories	
Accessories (supplied)	lock nuts: 2

Remarks	
Pack quantity	1 pcs.

Electrical connection	
Cable: 2 m, PVC; 3 x 0.14 mm <sup>2</sup>	

### Connection



Core colours :

BN =	brown
BU =	blue
BK =	black