

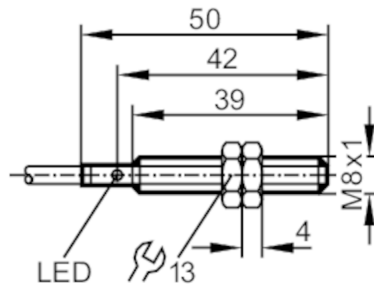
# IE5160



## Inductive sensor

IE-3001-APOG/6M

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### 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]	1000
Short-circuit protection	no
Overload protection	no

### Detection zone

Sensing range [mm]	1
Real sensing range $S_r$ [mm]	$1 \pm 10\%$
Operating distance [mm]	0...0.8

### 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	
	EN 55011	class B
MTTF [years]	2737	

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Mechanical data	
Housing	threaded type
Mounting	flush mountable
Dimensions [mm]	M8 x 1 / L = 50
Thread designation	M8 x 1
Materials	PBT

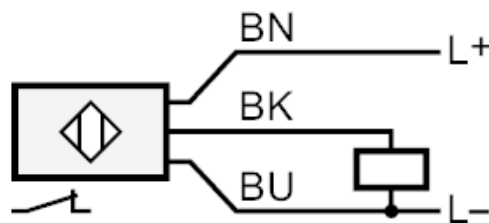
Displays / operating elements		
Display	switching status	1 x LED, yellow

Accessories	
Accessories (supplied)	lock nuts: 2

Remarks	
Pack quantity	1 pcs.

**Electrical connection**  
Cable: 6 m, PVC; 3 x 0.14 mm<sup>2</sup>

### Connection



Core colours :

BN = brown  
BU = blue  
BK = black

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