

# IE5198

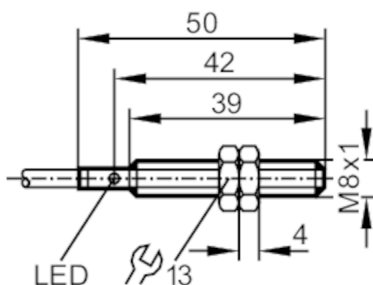


## Inductive sensor

IEA3001-BPOG/PH

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Alternative article: IE5090 When selecting an alternative article and accessories please note that technical data may differ! – When selecting an alternative article and accessories please note that technical data may differ!



Electrical data		
Operating voltage [V]	10...36 DC	
Current consumption [mA]	10; (24 V)	
Protection class	III	
Reverse polarity protection	no	
Outputs		
Electrical design	PNP	
Output function	normally open	
Max. voltage drop switching output DC [V]	1	
Permanent current rating of switching output DC [mA]	200	
Switching frequency DC [Hz]	750	
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	
Switch point drift [% of $S_r$ ]	-10...20	
Operating conditions		
Ambient temperature [°C]	-25...80	
Protection	IP 67	
Tests / approvals		
EMC	EN 60947-5-2	class B
	EN 55011	

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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	brass nickel-plated; sensing face: PBT

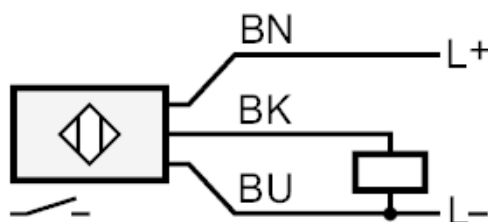
Displays / operating elements		
Display	switching status	1 x LED, yellow

Accessories	
Accessories (supplied)	lock nuts: 2

Remarks	
Pack quantity	1 pcs.

**Electrical connection**  
Cable: 2 m, PUR; highly flexible; 3 x 0.14 mm<sup>2</sup>

### Connection



Core colours :

- BN = brown
- BU = blue
- BK = black

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