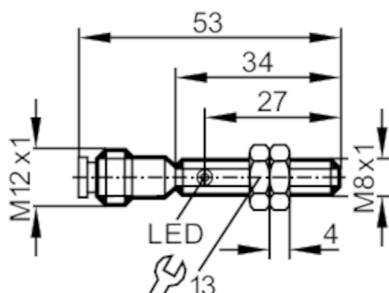


# IE5091



## Inductive sensor

IEB3001-APOG/US-100-DPO



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]	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	
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	class B
	EN 55011	
MTTF [years]	5623	

# IE5091



## Inductive sensor

IEB3001-APOG/US-100-DPO

Mechanical data	
Weight [g]	22.2
Housing	threaded type
Mounting	flush mountable
Dimensions [mm]	M8 x 1 / L = 53
Thread designation	M8 x 1
Materials	brass white bronze coated; PBT

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

Accessories	
Accessories (supplied)	lock nuts: 2

Remarks	
Pack quantity	1 pcs.

### Electrical connection - plug

Connector: 1 x M12



### Connection

