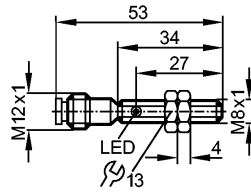


IE5091

IEB3001-APOG/US-100-DPO

Inductive sensors



Made in Germany

Product characteristics

Inductive sensor	
Metal thread M8 x 1	
Quick disconnect	
Sensing range 1 mm; [f] flush mountable	

Electrical data

Electrical design		DC PNP
Operating voltage [V]		10...36 DC
Current consumption [mA]		< 15 (24 V)
Reverse polarity protection		no

Outputs

Output function		normally closed
Voltage drop [V]		< 1
Current rating [mA]		200
Short-circuit protection		no
Overload protection		no
Switching frequency [Hz]		750

Monitoring range

Sensing range [mm]		1
Real sensing range (Sr) [mm]		1 ± 10 %
Operating distance [mm]		0...0.8

Accuracy / deviations

Correction factors		mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.3 / copper approx. 0.2
Hysteresis [% of Sr]		1...15
Switch-point drift [% of Sr]		-10...10

Environment

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

Tests / approvals

EMC		EN 60947-5-2 EN 55011:	class B
MTTF [Years]			5623

Mechanical data

Mounting		flush mountable
Housing materials		brass white bronze coated; PBT
Weight [kg]		0.022

Displays / operating elements

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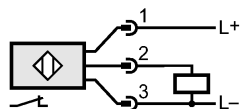
Inductive sensors

Output status indication LED yellow

Electrical connection

Connection M12 connector

Wiring



Accessories

Accessories (included) 2 lock nuts

Remarks

Pack quantity [piece] 1