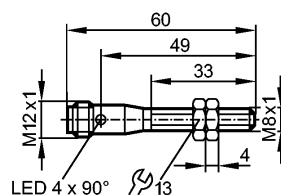


IEC200

IEK3002BBPKG/AM/US-104-DPS

Inductive sensors



Made in Germany



Product characteristics

Inductive sensor	
Metal thread M8 x 1	
Connector	
Full metal housing	
Increased sensing range	
Gold-plated contacts	
Sensing range 2 mm; [f] flush mountable	

Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...36 DC
Current consumption [mA]	< 20
Protection class	III
Reverse polarity protection	yes

Outputs

Output function	normally open
Voltage drop [V]	< 2.5
Leakage current [mA]	< 0.1
Current rating [mA]	100
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	100

Range

Sensing range [mm]	2
Operating distance [mm]	0...1.6

Accuracy / deviations

Correction factors	stainless steel approx. 0.6 / brass approx. 0.4 / Al approx. 0.3 / Cu approx. 0.2
Hysteresis [% of Sr]	1...20

Environment

Pressure rating [bar]	100; *)
Ambient temperature [°C]	-25...70
Protection	IP 67 / IP 68; "Coolant"

Tests / approvals

EMC	EN 61000-4-2 ESD: 4 kV CD / 8 kV AD EN 61000-4-3 HF radiated: 10 V/m (80...1000 MHz) EN 61000-4-4 Burst: 2 kV EN 61000-4-6 HF conducted: 10 V (0.15...80 MHz) EN 55011: class B
MTTF [Years]	1978

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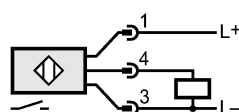
Inductive sensors

Mechanical data	
Mounting	flush mountable
Housing materials	housing: stainless steel 316L / 1.4404; active face: stainless steel 316L / 1.4404; lock nuts: stainless steel 316L / 1.4404
Weight [kg]	0.023

Displays / operating elements	
Output status indication	LED yellow (4 x 90°)

Electrical connection	
Connection	M12 connector; Gold-plated contacts

Wiring



Accessories	
Accessories (included)	2 lock nuts

Remarks	
Remarks	*) sensing face
Pack quantity [piece]	1