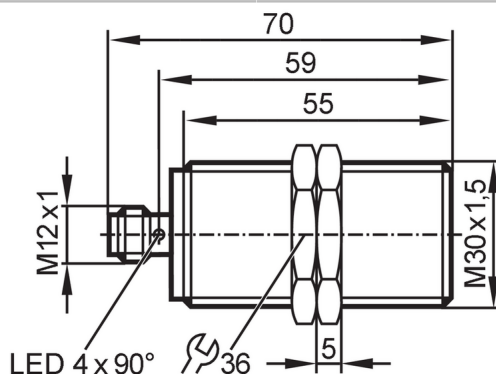


IIK3012BBPKG/60V/V4A/US-104





Inductive sensor

IHK3012BBPKG/60V/V4A/US-104

Accuracy / deviations			
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3	
Hysteresis	[% of Sr]	1...20	
Switch-point drift	[% of Sr]	-10...10	
Operating conditions			
Ambient temperature		[°C]	-40...85
Protection		IP 67; IP 69K	
Tests / approvals			
EMC	Automotive area		
	Noise emission and noise interference: ECE R10		E1 type approval
	noise immunity according to DIN ISO 11452-2		100 V/m
	conducted interference in 24 V networks to ISO 7637-2: 2004 (pulse 1 to 4) and ISO16750-2: 2012 (load dump)		
	pulse		1 2a 2b 3a 3b 4 Load dump
	Severity level		III III III III III Test A
	Failure criterion		C A C A A C C
	EN 61000-4-2 ESD		4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated		10 V/m
	EN 61000-4-4 Burst		2 kV
	EN 61000-4-5 Surge		0,5 kV mains line to line
	EN 61000-4-6 HF conducted		10 V
	EN 55011		class B
Fast temperature changes	EN 60068-2-14 Na		TA = -40 °C; TB = 85 °C; t1 = 30 min; t2 = < 10 s; 50 cycles
Salt spray test	EN 60068-2-52 Kb		severity level 5 (4 test cycles)
MTTF	[years]	1079	
UL approval	Ta		0...40 °C
	Enclosure type		Type 1
	UL approval number		A050
	File number UL		E174191
Mechanical data			
Weight	[g]	126	
Housing		Threaded type	
Mounting		flush mountable	
Dimensions	[mm]	M30 x 1.5 / L = 70	
Thread designation		M30 x 1.5	
Material		housing: stainless steel (1.4404 / 316L); sensing face: LCP white; LED window: PEI; lock nuts: brass white bronze coated	
Tightening torque	[Nm]	80	
Displays / operating elements			
Display	Switching status		4 x 90° LED, yellow
Accessories			
Items supplied	lock nuts: 2		
Remarks			
Remarks	no parallel connection possible		

IIM208



Inductive sensor

IIK3012BBPKG/60V/V4A/US-104

Pack quantity

1 pcs.

Electrical connection - plug

Connector: 1 x M12; coding: A; Contacts: gold-plated



Connection

