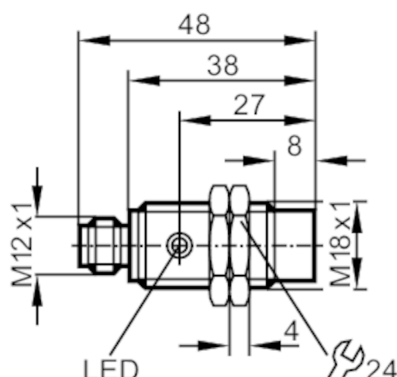




Inductive sensor

IGB3008-BPKG/V4A/US-100-DPS/AU



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	8
Housing	Threaded type
Dimensions [mm]	M18 x 1 / L = 48

Application

System	gold-plated contacts
Application	Industrial applications

Electrical data

Operating voltage [V]	18...36 DC
Current consumption [mA]	15; (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	PNP
Output function	normally open
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	125; (150 (...50 °C))
Switching frequency DC [Hz]	200
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range

Sensing range [mm]	8
Real sensing range Sr [mm]	8 ± 10 %
Operating distance [mm]	0...6.5



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Accuracy / deviations			
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2	
Hysteresis	[% of Sr]	1...15	
Switch-point drift	[% of Sr]	-10...10	
Operating conditions			
Ambient temperature		[°C]	-25...80
Protection			IP 67
Tests / approvals			
EMC		EN 60947-5-2	
		EN 55011	class B
MTTF		[years]	2283
Mechanical data			
Weight		[g]	45.5
Housing			Threaded type
Mounting			non-flush mountable
Dimensions		[mm]	M18 x 1 / L = 48
Thread designation			M18 x 1
Material			stainless steel (1.4571/316Ti) ; CO-PC
Displays / operating elements			
Display		Switching status	1 x LED, yellow
Accessories			
Items supplied			lock nuts: 2
Remarks			
Pack quantity			1 pcs.
Electrical connection - plug			
Connector: 1 x M12; coding: A; Contacts: gold-plated			
			

IG5817



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Connection

