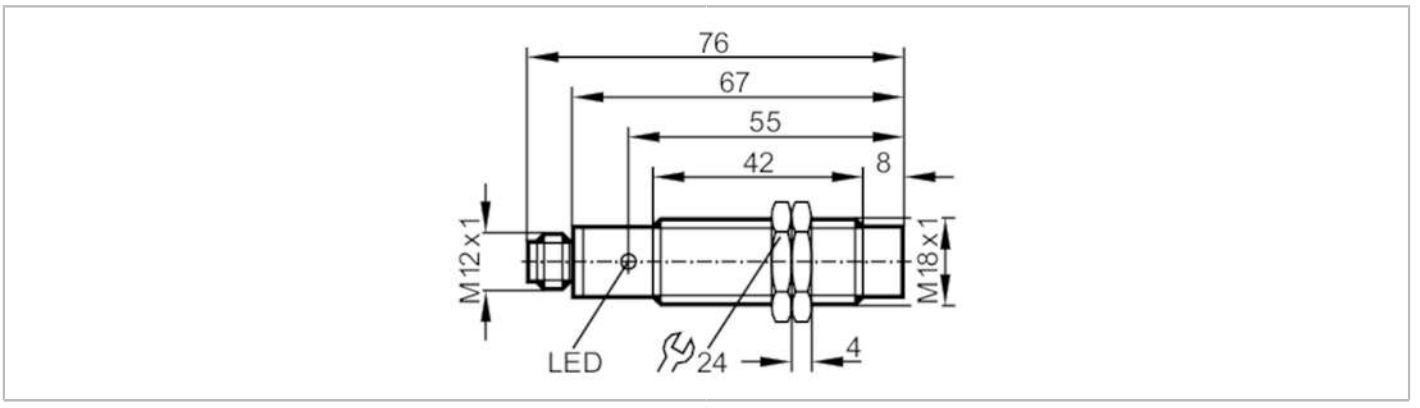
IG5765

Inductive sensor

IGA3008ZBPKG/US-100-DPS



Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	8
Housing		threaded type
Dimensions	[mm]	M18 x 1 / L = 76
Electrical data		
Operating voltage	[V]	10...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]	100; (250 (...80 °C))
Switching frequency DC	[Hz]	300
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Sensing range	[mm]	8
Real sensing range Sr	[mm]	8 ± 10 %
Operating distance	[mm]	0...6.5
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-10...10

IG5765

Inductive sensor

IGA3008ZBPKG/US-100-DPS

Operating conditions		
Ambient temperature [°C]	-25...100	
Protection	IP 65	
Tests / approvals		
EMC	EN 60947-5-2	
MTTF [years]	1853	
Mechanical data		
Weight [g]	59.4	
Housing	threaded type	
Mounting	non-flush mountable	
Dimensions [mm]	M18 x 1 / L = 76	
Thread designation	M18 x 1	
Materials	brass nickel-plated; 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



Connection

