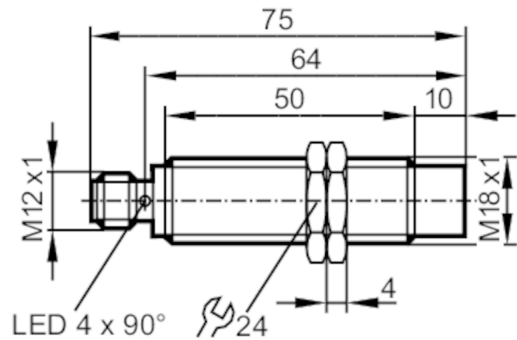


IG5765



Inductive sensor

IGA3008ZBPKG/US-104



Product characteristics	
Electrical design	PNP
Output function	normally open
Sensing range [mm]	8
Housing	threaded type
Dimensions [mm]	M18 x 1 / L = 75
Application	
Special feature	Gold-plated contacts
Application	Industrial applications / factory automation
Electrical data	
Operating voltage [V]	10...30 DC
Current consumption [mA]	< 10
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; (200 (...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...6.48
Accuracy / deviations	
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3

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Inductive sensor

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Hysteresis	[% of Sr]	1...20
Switch point drift	[% of Sr]	-10...10

Operating conditions

Ambient temperature	[°C]	-25...100
Protection		IP 65

Tests / approvals

EMC	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 61000-4-6 HF conducted	10 V
	EN 55011	class B
MTTF	[years]	1083

Mechanical data

Weight	[g]	59.4
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M18 x 1 / L = 75
Thread designation		M18 x 1
Materials		housing: brass white bronze coated; sensing face: PEEK natural; LED window: PEI; lock nuts: brass white bronze coated
Tightening torque	[Nm]	25

Displays / operating elements

Display	switching status	4 x LED, yellow
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Accessories

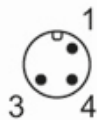
Items supplied	lock nuts: 2
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Remarks

Pack quantity	1 pcs.
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Electrical connection - plug

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



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Connection

