

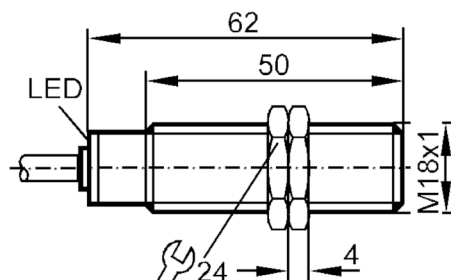
IG6004



Inductive sensor

IGK3004-APKG/0,8MZHUS100DPOACI

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Product characteristics

Electrical design	PNP
Output function	normally closed
Sensing range [mm]	4
Housing	Threaded type
Dimensions [mm]	M18 x 1

Application

Media	aluminum chip immune
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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 closed
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	250
Short-time current rating of switching output [mA]	250
Switching frequency DC [Hz]	60
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range

Sensing range [mm]	4
Real sensing range Sr [mm]	4 ± 10 %
Operating distance [mm]	0...3.25

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Accuracy / deviations

Hysteresis	[% of Sr]	3...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
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Mechanical data

Housing	Threaded type
Mounting	flush mountable
Dimensions	[mm] M18 x 1
Thread designation	M18 x 1
Material	brass white bronze coated; PBT; ceramics

Displays / operating elements

Display	Switching status	1 x LED, red
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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

Cable: 0.8 m, PUR / PVC; 3 x 0.5 mm²

Connector: 1 x M12; coding: A



Connection

