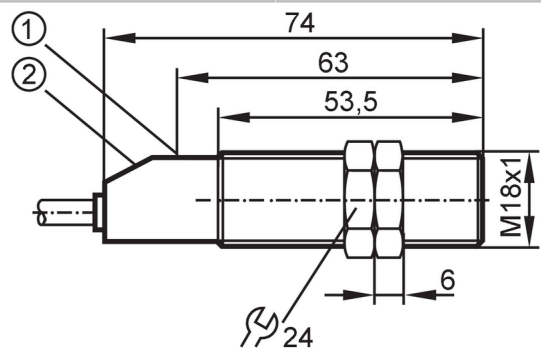


KG5034



Capacitive sensor

KG-3008-FNKG/NI/5M



- 1 pushbutton
- 2 LED



Product characteristics

Electrical design	NPN
Output function	normally open / normally closed; (selectable)
Sensing range [mm]	2.5...8
Housing	threaded type
Dimensions [mm]	M18 x 1 / L = 74

Application

Special feature	Optical setting aid
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Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	< 30
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	NPN
Output function	normally open / normally closed; (selectable)
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	200; (250 (0...35°C))
Switching frequency DC [Hz]	10
Short-circuit protection	yes
Overload protection	yes

Detection zone

Sensing range [mm]	2.5...8
Sensing range adjustable	yes
Factory setting sensing range [mm]	8
Real sensing range Sr [mm]	8 ± 10 %

Accuracy / deviations

Hysteresis [% of Sr]	1...15
Switch point drift [% of Sr]	-20...20

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Interfaces

Required master port type	A
Min. process cycle time [ms]	20

Operating conditions

Ambient temperature [°C]	-25...80
Protection	IP 65
Increased immunity	yes

Tests / approvals

EMC	EN 60947-5-2
MTTF [years]	519

Mechanical data

Weight [g]	223.8
Housing	threaded type
Mounting	non-flush mountable
Dimensions [mm]	M18 x 1 / L = 74
Thread designation	M18 x 1
Materials	housing, cover, nut: PP (Crealen)

Displays / operating elements

Display	switching status	1 x LED, yellow
	operation	1 x LED, green
	setting aid	1 x LED, green
Optical setting aid	yes	

Accessories

Items supplied	screwdriver: 1
	lock nuts: 2 x M18

Remarks

Pack quantity	1 pcs.
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Electrical connection - plug

Cable: 5 m, PVC; 3 x 0.34 mm²

Connection

