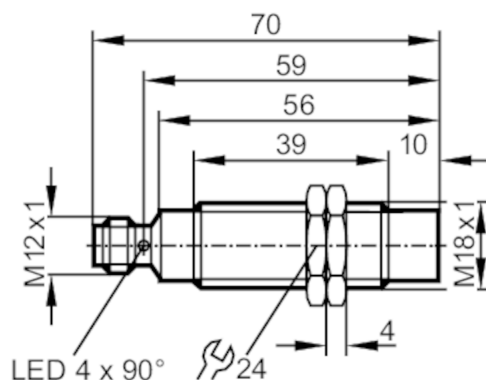


IGKC012-ASKG/M/V4A/US-104-DRS



Electrical design	PNP/NPN
Output function	normally open
Sensing range [mm]	12
Housing	threaded type
Dimensions [mm]	M18 x 1 / L = 70

Special feature	Gold-plated contacts; Increased sensing range; Optical setting aid
Application	regular cleaning processes

Operating voltage	[V]	10...30 DC
Current consumption	[mA]	12; (24 V)
Protection class		II
Reverse polarity protection		yes

Electrical design	PNP/NPN
Output function	normally open
Max. voltage drop switching output DC [V]	2.8
Minimum load current [mA]	2; (only in 2-wire operation)
Max. leakage current [mA]	0.5; (only in 2-wire operation)
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	300
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Sensing range	[mm]	12
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Inductive sensor

IGKC012-ASKG/M/V4A/US-104-DRS

Real sensing range Sr	[mm]	12 ± 10 %
Operating distance	[mm]	0...9.7
Increased sensing range		yes

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	3...15
Switch point drift	[% of Sr]	-10...10

Operating conditions

Ambient temperature	[°C]	0...100
Protection		IP 68; IP 69K

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]	1359
UL approval	Ta	0...40 °C
	Enclosure type	Type 1
	power supply	Limited Voltage/Current
	File number UL	E174191

Mechanical data

Weight	[g]	52.7
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M18 x 1 / L = 70
Thread designation		M18 x 1
Materials		stainless steel (316L/1.4404); sensing face: PEEK

Displays / operating elements

Display	switching status	4 x 90° LED, yellow
	setting aid	1 x LED, red
Optical setting aid		yes

Accessories

Items supplied		lock nuts: 2
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Remarks

Remarks		suitable for PLC type 1 according to IEC 61131-2
Pack quantity		1 pcs.

Inductive sensor

IGKC012-ASKG/M/V4A/US-104-DRS

Electrical connection - plug

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

