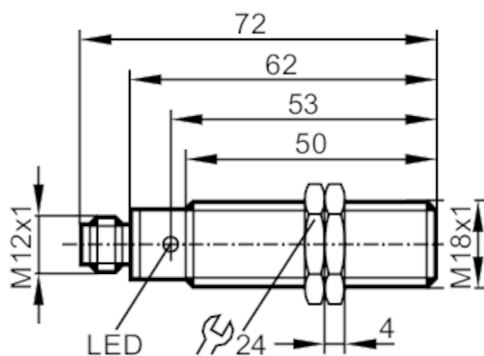




Inductive sensor

IGK2008BFRKG/US-100-IRF



Product characteristics

Electrical design	PNP/NPN
Output function	normally open / closed; (selectable)
Sensing range [mm]	8
Housing	Threaded type
Dimensions [mm]	M18 x 1 / L = 72

Application

System	Increased sensing range
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Electrical data

Operating voltage [V]	10...55 DC
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	PNP/NPN
Output function	normally open / closed; (selectable)
Max. voltage drop switching output DC [V]	4.6
Minimum load current [mA]	4
Max. leakage current [mA]	0.8
Permanent current rating of switching output DC [mA]	400
Switching frequency DC [Hz]	250
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range

Sensing range [mm]	8
Operating distance [mm]	0...6.48
Increased sensing range	yes

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2
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IG5958



Inductive sensor

IGK2008BFRKG/US-100-IRF

Hysteresis	[% of Sr]	1...15
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Operating conditions

Ambient temperature	[°C]	-25...70
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Protection		IP 67
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Tests / approvals

EMC	EN 60947-5-2	
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	EN 55011	class B
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MTTF	[years]	1806
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Mechanical data

Weight	[g]	61
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Housing		Threaded type
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Mounting		flush mountable
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Dimensions	[mm]	M18 x 1 / L = 72
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Thread designation		M18 x 1
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Material		brass white bronze coated; CO-PC
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Displays / operating elements

Display	Switching status	1 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

