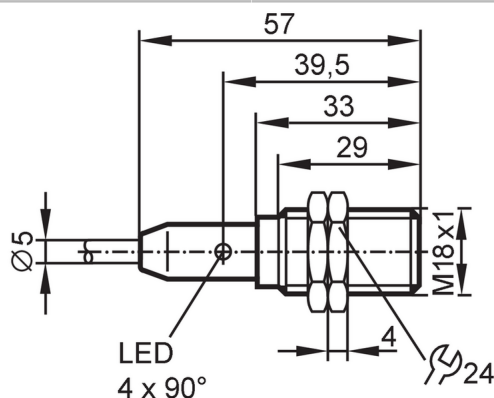


IGT207



Inductive sensor

IGB3008BBPKG/M/V4A/10M/WH



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	8
Housing	Threaded type
Dimensions [mm]	M18 x 1 / L = 57

Application

Special feature	Increased sensing range
Application	Use in hygienic areas / regular cleaning processes

Electrical data

Operating voltage [V]	10...36 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
Switching frequency DC [Hz]	600
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: 0.4 / copper: 0.3
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Hysteresis	[% of Sr]	1...20
Operating conditions		
Ambient temperature	[°C]	0...100
Protection		IP 68; IP 69K; ("COP")
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 61000-4-5 Surge	0,5 kV
	EN 61000-4-6 HF conducted	10 V
	EN 55011	class B
MTTF	[years]	1727
UL approval	Ta	0...40 °C
	Enclosure type	Type 1
	voltage supply	Limited Voltage/Current
	File number UL	E174191
Mechanical data		
Weight	[g]	542.5
Housing		Threaded type
Mounting		flush mountable
Dimensions	[mm]	M18 x 1 / L = 57
Thread designation		M18 x 1
Material		stainless steel (1.4404 / 316L); sensing face: PEEK
Displays / operating elements		
Display	Switching status	4 x 90° LED, yellow
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.

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Electrical connection

Cable: 10 m, PVC; 3 x 0.34 mm²

Connection



	Core colors :
BK =	black
BN =	brown
BU =	blue