

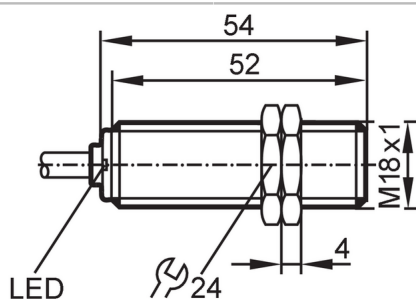
IG6210



Inductive sensor

IGK3008BBPKG/0,125M/PH/DT04-3P

customer-specific



Product characteristics

Electrical design		PNP
Sensing range	[mm]	8
Housing		Threaded type
Dimensions	[mm]	M18 x 1 / L = 54

Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	< 15
Protection class		II
Reverse polarity protection		yes

Outputs

Electrical design		PNP
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	500
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes

Monitoring range

Sensing range	[mm]	8
Real sensing range Sr	[mm]	6.48

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3
Hysteresis	[%]	1...20

Operating conditions

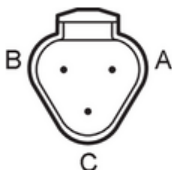
Ambient temperature	[°C]	-40...70
Protection		IP 69K

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Tests / approvals		
EMC	Störfestigkeit nach DIN ISO 11452-2	120 V/m
	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 (line to line)
	EN 61000-4-6 HF conducted	10 V
	EN 55011	class B
Shock resistance	IEC 60068-2-27	150 g 11 ms half-sine; 3 shocks each in every direction of the 3 coordinate axes / -40°C / 70°C
Mechanical data		
Weight	[g]	82.5
Housing		Threaded type
Mounting		flush mountable
Dimensions	[mm]	M18 x 1 / L = 54
Thread designation		M18 x 1
Material		housing: brass white bronze coated; sensing face: PBT; end cap: TPU (urethane)
Tightening torque	[Nm]	25
Displays / operating elements		
Display		LED, yellow
Accessories		
Items supplied		lock nuts: 2
Remarks		
Notes		customer-specific
Pack quantity		1 pcs.
Electrical connection		
Cable: 0.125 m, PUR, Ø 5.4 mm; 3 x 0.5 mm²		
Connector: 1 x DEUTSCH connector ((DT04-3P-CE02)); Contacts: 3		
		

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Connection

