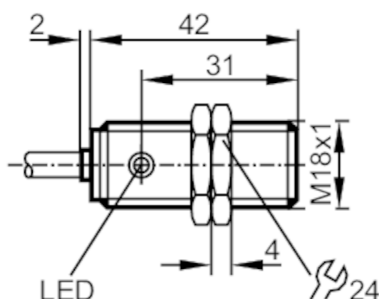




Inductive sensor

IGC2005SFRKG/KG-ST/2,5M/T

Article no longer available - archive entry



Product characteristics

Electrical design	PNP
Output function	normally open / normally closed; (selectable)
Sensing range [mm]	5
Housing	threaded type
Dimensions [mm]	M18 x 1 / L = 42

Electrical data

Connection to switching amplifiers	yes
Switching amplifiers	connection to F400 control monitor or as 2-wire DC DNP
Operating voltage [V]	10...36 DC
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	PNP
Output function	normally open / normally closed; (selectable)
Max. voltage drop switching output DC [V]	4.6
Minimum load current [mA]	5
Max. leakage current [mA]	1.5
Permanent current rating of switching output DC [mA]	150
Switching frequency DC [Hz]	720
Notes on switching frequency [Hz]	connected to F400
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Sensing range [mm]	5
Real sensing range Sr [mm]	5 ± 10 %

IG5729



Inductive sensor

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Operating distance	[mm]	0...4.05
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Mechanical data		
Weight	[g]	184.2
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M18 x 1 / L = 42
Thread designation		M18 x 1
Materials		housing: PBT; end cap: PES
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.



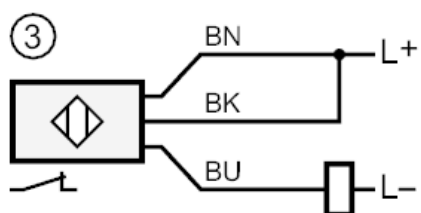
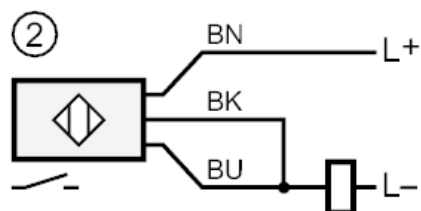
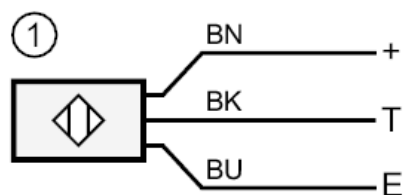
Inductive sensor

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Electrical connection

Cable: 2.5 m, PTFE; 3 x 0.25 mm²

Connection



- 1 = connection to F400
 2 = Connection 2-wire DC
 3 = Connection 2-wire DC
 Core colours :
 BK = black