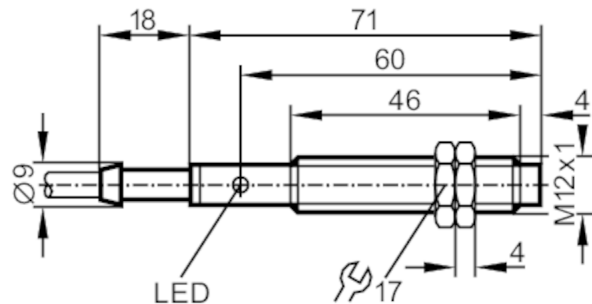


IF5765



Inductive sensor

IFA2004-FRKG/PH



Product characteristics

Electrical design	PNP/NPN	
Output function	normally open / normally closed; (selectable)	
Sensing range	[mm]	4
Housing	threaded type	
Dimensions	[mm]	M12 x 1 / L = 71

Electrical data

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

Outputs

Electrical design	PNP/NPN	
Output function	normally open / normally closed; (selectable)	
Max. voltage drop switching output DC	[V]	4.6
Minimum load current	[mA]	4
Max. leakage current	[mA]	0.5
Permanent current rating of switching output DC	[mA]	400
Switching frequency DC	[Hz]	1500
Short-circuit protection	yes	
Type of short-circuit protection	pulsed	
Overload protection	yes	

Detection zone

Sensing range	[mm]	4
Real sensing range Sr	[mm]	4 ± 10 %
Operating distance	[mm]	0...3.25

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

IF5765



Inductive sensor

IFA2004-FRKG/PH

Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 67

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	1815

Mechanical data

Weight	[g]	95.8
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M12 x 1 / L = 71
Thread designation		M12 x 1
Materials		brass white bronze coated; PC

Displays / operating elements

Display	switching status	1 x LED, red
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Accessories

Items supplied	lock nuts: 2
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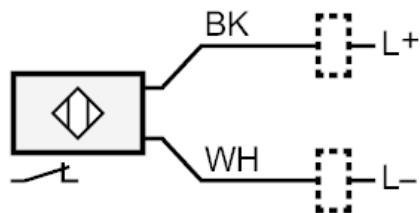
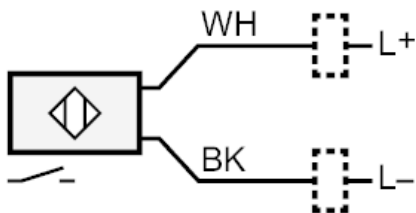
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 2 m, PUR / PVC; 2 x 0.34 mm²

Connection



BK = Core colours :
black
WH = white