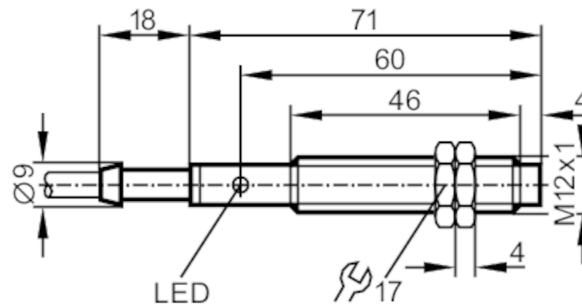


# IF5765



## Inductive sensor

IFA2004-FRKG/PH RT



### 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

### Operating conditions

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

# IF5765

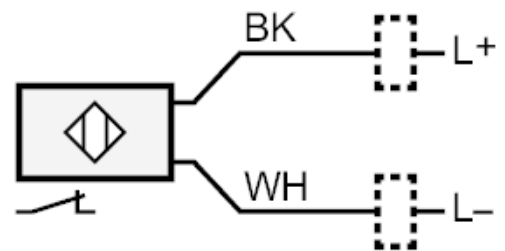
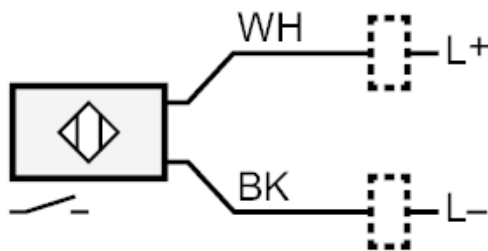


## Inductive sensor

IFA2004-FRKG/PH

RT

Tests / approvals		
EMC	EN 60947-5-2 EN 55011	class B
MTTF [years]	1815	
Mechanical data		
Weight [g]	92.4	
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
Accessories		
Accessories (supplied)	lock nuts: 2	
Remarks		
Pack quantity	1 pcs.	
Electrical connection		
Cable: 2 m, PUR / PVC; 2 x 0.34 mm <sup>2</sup>		
Connection		



Core colours :

BK = black  
WH = white