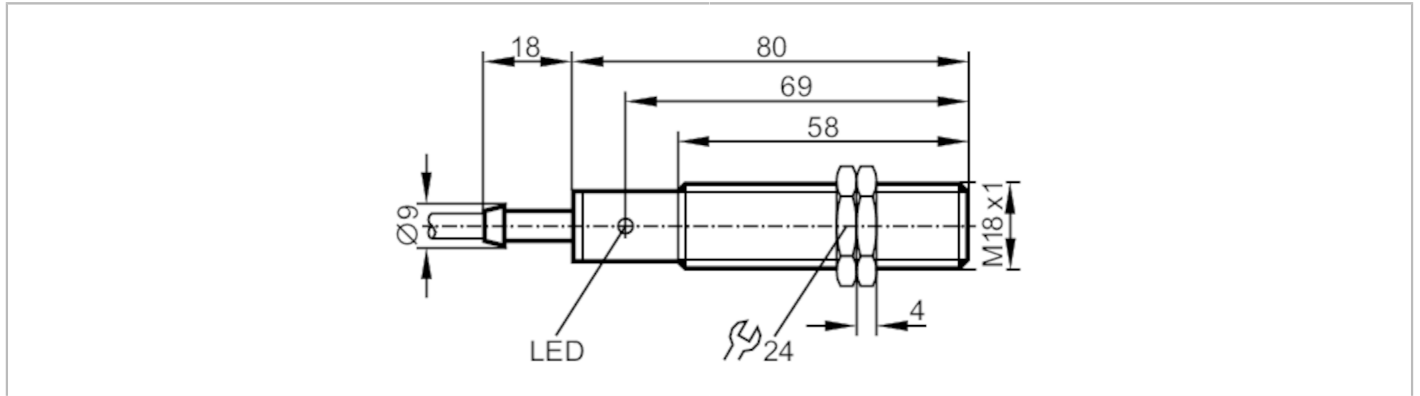


# IG5774



## Inductive sensor

IG-2008-FRKG/PH



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]	0.8
Permanent current rating of switching output DC	[mA]	400
Switching frequency DC	[Hz]	300
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Sensing range	[mm]	8
Real sensing range Sr	[mm]	8 ± 10 %
Operating distance	[mm]	0...6.5
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

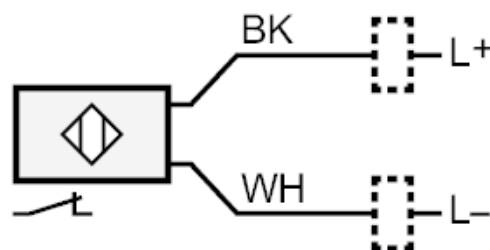
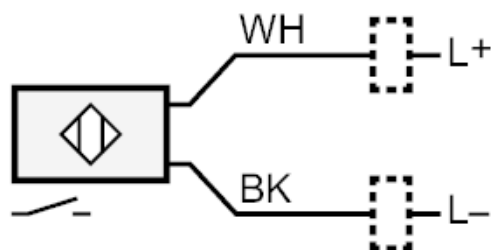
# IG5774



## Inductive sensor

IG-2008-FRKG/PH

Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF [years]		1806
Mechanical data		
Weight [g]		108.2
Housing		threaded type
Mounting		non-flush mountable
Dimensions [mm]		M18 x 1 / L = 80
Thread designation		M18 x 1
Materials		PBT
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 0.5 mm <sup>2</sup>		
Connection		



Core colours :

BK = black  
WH = white