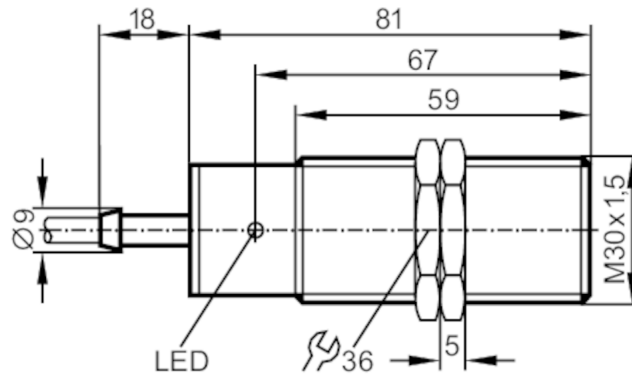




## Inductive sensor

II-2015-FRKG/50M

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### Product characteristics

Electrical design	PNP/NPN	
Output function	normally open / normally closed; (selectable)	
Sensing range [mm]	15	
Housing	threaded type	
Dimensions [mm]	M30 x 1.5 / L = 81	

### 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]	200	
Short-circuit protection	yes	
Type of short-circuit protection	pulsed	
Overload protection	yes	

### Detection zone

Sensing range [mm]	15	
Real sensing range Sr [mm]	15 ± 10 %	
Operating distance [mm]	0...12.1	

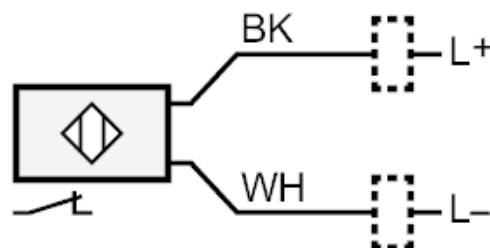
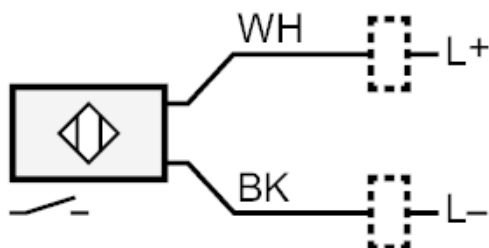
# II5799



## Inductive sensor

II-2015-FRKG/50M

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		
Housing	threaded type	
Mounting	non-flush mountable	
Dimensions [mm]	M30 x 1.5 / L = 81	
Thread designation	M30 x 1.5	
Materials	PBT	
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Accessories (supplied)	lock nuts: 2	
Remarks		
Pack quantity	1 pcs.	
Electrical connection		
Cable: 50 m, PUR / PVC; 2 x 0.5 mm <sup>2</sup>		
Connection		



Core colours :

BK = black  
WH = white

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