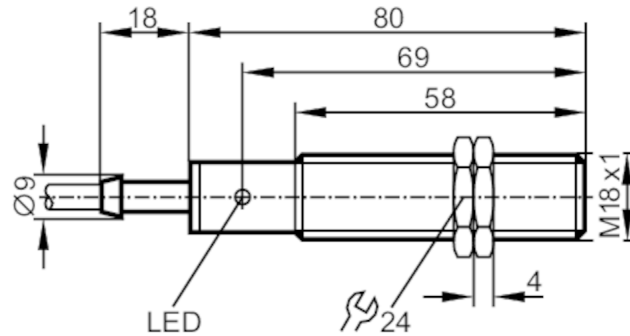


Inductive sensor

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Electrical data

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

Outputs

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
Electrical design		PNP/NPN
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Sensing range	[mm]	8
Real sensing range S_r	[mm]	$8 \pm 10\%$
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 S_r]	1...15
Switch point drift	[% of S_r]	-10...10

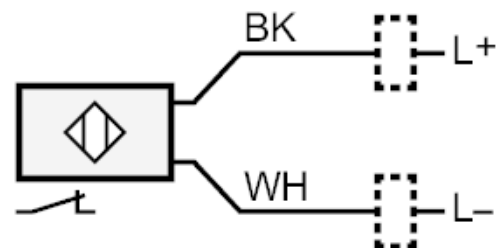
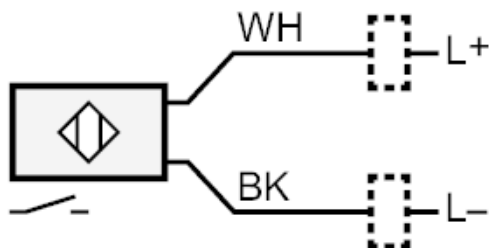
Operating conditions

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

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Tests / approvals		
EMC	EN 60947-5-2 EN 55011	class B
MTTF [years]	1806	
Mechanical data		
Weight [g]	108.8	
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, yellow
Accessories		
Accessories (supplied)	lock nuts: 2	
Remarks		
Pack quantity	1 pcs.	
Electrical connection		
Cable: 2 m, PUR / PVC; 2 x 0.5 mm ²		
Connection		



Core colours :

BK = black
WH = white