

Inductive sensor

IE-2002-FROG/15M/PUR

Article no longer available - archive entry



Product characteristics

Electrical design	PNP/NPN
Output function	normally open / normally closed; (selectable)
Sensing range [mm]	2
Housing	threaded type
Dimensions [mm]	M8 x 1 / L = 50

Electrical data

Operating voltage [V]	5...36 DC
Reverse polarity protection	no

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]	200
Switching frequency DC [Hz]	2000
Short-circuit protection	no
Overload protection	no

Detection zone

Sensing range [mm]	2
Real sensing range S_r [mm]	$2 \pm 10 \%$
Operating distance [mm]	0...1.6

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

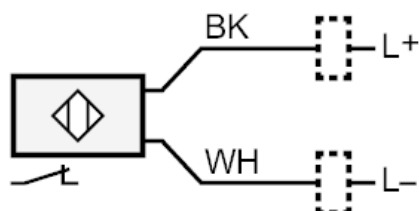
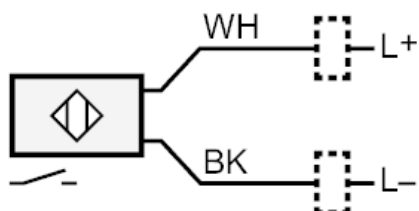
Ambient temperature [°C]	-25...80
Protection	IP 67



Inductive sensor

IE-2002-FROG/15M/PUR

Tests / approvals		
EMC	EN 60947-5-2	
Mechanical data		
Housing	threaded type	
Mounting	non-flush mountable	
Dimensions [mm]	M8 x 1 / L = 50	
Thread designation	M8 x 1	
Materials	PBT	
Displays / operating elements		
Display	switching status	1 x LED, yellow
Remarks		
Pack quantity	1 pcs.	
Electrical connection		
Cable: 15 m, PUR / PVC; 2 x 0.14 mm²		
Connection		



BK = Core colours :
 WH = black
 white