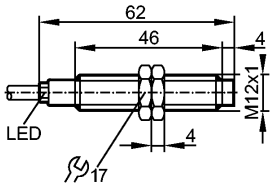
efector100

IF5804

IFK2004-ARKG/PH

Inductive sensors



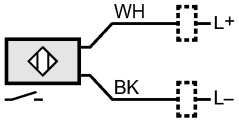
Product characteristics		
Inductive sensor		
Metal thread M12 x 1		
Cable		
Sensing range 4 mm; [nf] non-flush mountable		
Electrical data		
Electrical design		DC PNP/NPN
Operating voltage	[V]	10...55 DC
Protection class		II
Reverse polarity protection		yes
Outputs		
Output function		normally open
Voltage drop	[V]	< 4.6
Leakage current	[mA]	< 0.8
Current rating	[mA]	400
Short-circuit protection		yes (non-latching)
Overload protection		yes
Switching frequency	[Hz]	1400
Monitoring range		
Sensing range	[mm]	4
Real sensing range (Sr)	[mm]	4 ± 10 %
Operating distance	[mm]	0...3.25
Accuracy / deviations		
Correction factors		mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.4 / copper approx. 0.3
Hysteresis	[% of Sr]	1...15
Switch-point drift	[% of Sr]	-10...10
Environment		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC		EN 60947-5-2 EN 55011: class B
MTTF	[Years]	1704
Mechanical data		
Mounting		non-flush mountable
Housing materials		PBT; brass white bronze coated
Weight	[kg]	0.087
Displays / operating elements		
Output status indication	LED	yellow
Electrical connection		
Connection		PUR cable / 2 m; 2 x 0.34 mm²

Wiring

IF5804 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Core colors

BK	black
WH	white



Accessories	
Accessories (included)	2 lock nuts
Remarks	
Pack quantity [piece]	1