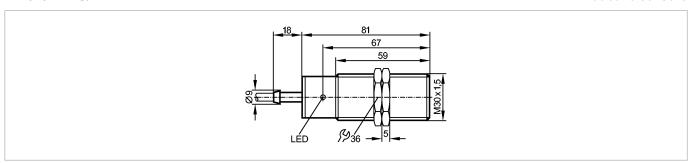
## efector100°

## 115489

IIA2010-FRKG/PH Inductive sensors





Mechanical data

Mounting

( (m)		
Product characteristics		
Inductive sensor		
Metal thread M30 x 1.5		
Cable		
Sensing range 10 mm; [f] t	flush mounta	able
Electrical data		
Electrical design		DC PNP/NPN
Operating voltage	[V]	1055 DC
Protection class		II
Reverse polarity protection	ı	yes
Outputs		
Output function		normally open / closed programmable
Voltage drop	[V]	< 4.6
Minimum load current	[mA]	4
Leakage current	[mA]	< 0.5
Current rating	[mA]	400
Short-circuit protection		yes (non-latching)
Overload protection		yes
Switching frequency	[Hz]	450
Monitoring range		
Sensing range	[mm]	10
Real sensing range (Sr)	[mm]	10 ± 10 %
Operating distance	[mm]	08.1
Accuracy / deviations		
Correction factors		mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.3 / copper approx. 0.2
Hysteresis	[% of Sr]	115
Switch-point drift	[% of Sr]	-1010
Environment		
Ambient temperature	[°C]	-2580
Protection		IP 67
Tests / approvals		
EMC		EN 60947-5-2 EN 55011: class B
MTTF	[Years]	1699

flush mountable

## efectorioo





Housing materials		brass nickel-plated; active face: PBT
Weight	[kg]	0.252
Displays / operating ele	ements	
Output status indication	LED	yellow
Electrical connection		
Connection		PUR / PVC cable / 2 m; 2 x 0.5 mm <sup>2</sup>
<b>Wiring</b> Core colors BK black WH white	WH BK	- L+  - L-  - L-
Accessories		
Accessories (included)		2 lock nuts
Remarks		
Pack quantity	[piece]	1

 $ifm\ efector,\ inc. \bullet 1100\ Atwater\ Drive\ \bullet\ Malvern\ \bullet\ PA\ 19355\ -\ We\ reserve\ the\ right\ to\ make\ technical\ alterations\ without\ prior\ notice.\ -\ US\ -\ II5489\ -\ 06.03.2003$