

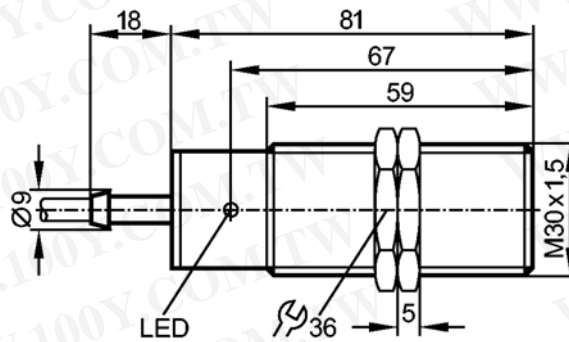
efector100

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-34970699
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

**II5489**

IIA2010-FRKG/PH

Inductive sensors



Made in Germany

Product characteristics

Inductive sensor

Metal thread M30 x 1.5

Cable

Sensing range 10 mm; [f] 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 / 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]

0...8.1

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]

1...15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

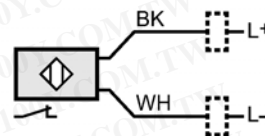
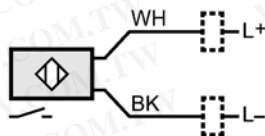
-25...80

Protection	IP 67	
Tests / approvals		
EMC	EN 60947-5-2 EN 55011:	class B
MTTF [Years]	1699	
Mechanical data		
Mounting	flush mountable	
Housing materials	brass nickel-plated; active face: PBT	
Weight [kg]	0.255	
Displays / operating elements		
Output status indication LED	yellow	
Electrical connection		
Connection	PUR / PVC cable / 2 m; 2 x 0.5 mm ²	

Wiring

Core colors

BK black
WH white



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