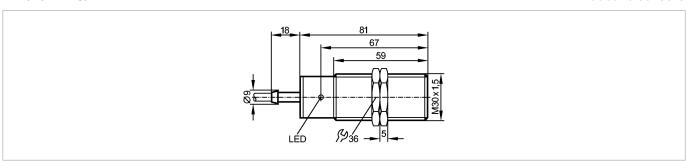
efectorioo

115489

IIA2010-FRKG/PH Inductive sensors





Made in Germany

| (m) | | |
|-----------------------------|--------------|--|
| Product characteristics | | |
| Inductive sensor | | |
| Metal thread M30 x 1.5 | | |
| Cable | | |
| Sensing range 10 mm; [f] | flush mounta | able |
| Electrical data | | |
| Electrical design | | DC PNP/NPN |
| Operating voltage | [V] | 1055 DC |
| Protection class | | II |
| Reverse polarity protection | 1 | 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 | | pulsed |
| Overload protection | | yes |
| Switching frequency | [Hz] | 450 |
| 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 / Al approx. 0.3 / Cu 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:

[Years]

MTTF

Mounting

Mechanical data

class B

1699

flush mountable

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| 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 mm² | |
| Wiring Core colours BK black WH white | WH L+ | BK L+ | |
| Accessories | | | |
| Accessories (included) | | 2 lock nuts | |
| Remarks | | | |
| Pack quantity | [piece] | 1 | |

 $ifm\ electronic\ gmbh \bullet Friedrichstraße\ 1 \bullet 45128\ Essen\ -\ We\ reserve\ the\ right\ to\ make\ technical\ alterations\ without\ prior\ notice.\ -\ GB\ -\ II5489\ -\ 06.03.2003$