

IFM Compact evaluation unit for speed monitoring DI0101 DIA2010-ZROA/5-3600 I/MIN

Our Product Introduction

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Basic Information

- Place of Origin: Germany
- Brand Name: IFM
- Model Number: DI0101
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: carton
- Delivery Time: Negotiable
- Payment Terms: T/T
- Supply Ability: 100pcs per month



Product Specification

- Manufacturer: IFM
- Product No: DI0101
- Mounting: Flush Mountable
- EMC: EN 60947-5-2
- Highlight: IFM Compact speed monitoring unit, IFM DI0101 evaluation sensor, DIA2010-ZROA speed monitoring device



More Images



Product Description

Compact evaluation unit for speed monitoring DI0101 DIA2010-ZROA/5-3600 I/MIN

| | |
|---|---|
| Reliable non-contact monitoring of the rotational speed with regard to underspeed | |
| 2 in 1: speed sensor and evaluation in one compact housing | |
| Easy setting of the switch point via potentiometer | |
| For direct connection to a PLC | |
| Reduced installation complexity | |
| Output function | normally open |
| Sensing range[mm] | 10 |
| Housing | Threaded type |
| Dimensions[mm] | M30 x 1.5 / L = 80 |
| Application | |
| Application | simple evaluation of rotating and linear movement with regard to underspeed; blocking |
| Electrical data | |
| Nominal voltage AC[V] | 20...250 |
| Nominal voltage DC[V] | 20...250 |
| Nominal frequency AC[Hz] | 45...65 |
| Protection class | II |
| Reverse polarity protection | yes |
| Outputs | |
| Total number of outputs | 1 |
| Output function | normally open |
| Max. voltage drop switching output DC[V] | 8.5 |
| Minimum load current[mA] | 6 |
| Max. leakage current[mA] | 1.5 |
| Permanent current rating of switching output AC[mA] | 350 |
| Permanent current rating of switching output DC[mA] | 100 |
| Short-time current rating of switching output[mA] | 2200; (20 ms / 0,5 Hz) |
| Short-circuit proof | no |
| Overload protection | no |
| Monitoring range | |
| Sensing range[mm] | 10 |
| Sensing range adjustable | no |
| Real sensing range Sr[mm] | 10 ± 10 % |
| Operating distance[mm] | 0...8.1 |
| Measuring/setting range | |
| Setting range[Imp/min] | 5...3600 |
| Measuring principle | inductive |
| Accuracy / deviations | |
| Correction factor | steel: 1 / stainless steel: 0.8 / brass: 0.5 / aluminum: 0.5 / copper: 0.4 |
| Hysteresis[% of Sr] | 10 |
| Reaction times | |
| Start-up delay[s] | 12 |
| Max. damping frequency[Imp/min] | 4800 |
| Software / programming | |
| Adjustment of the switch point | multiturn potentiometer |
| Operating conditions | |
| Ambient temperature[°C] | -25...80 |
| Storage temperature[°C] | -25...80 |
| Protection | IP 65; IP 67 |
| Tests / approvals | |
| EMC | EN 60947-5-2 |
| MTTF[years] | 435 |
| Mechanical data | |
| Weight[g] | 281.6 |
| Housing | Threaded type |
| Mounting | flush mountable |
| Dimensions[mm] | M30 x 1.5 / L = 80 |
| Thread designation | M30 x 1.5 |
| Material | brass special coating; PA; TPE-U |
| Tightening torque[Nm] | 50 |
| Displays / operating elements | |
| Display | Switching status2 x LED, yellow |
| Electrical connection | |
| Required protection | miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting |
| Accessories | |
| Items supplied | lock nuts: 2 |
| Remarks | |
| Remarks | Recommendation Check the safe functioning of the unit after a short circuit. |



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