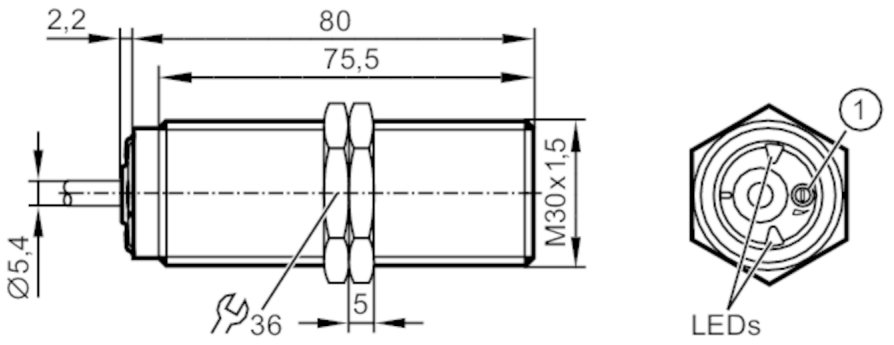
# DI0104

## Compact evaluation unit for speed monitoring

DIA2010-ZROA/5-3600 I/MIN/OAU




1 potentiometer

| | | |
|---|---|---|
| **Product characteristics** | | |
| 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] | 7.5 |
| 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 |
| **Detection zone** | | |
| Sensing range | [mm] | 10 |
| Sensing range adjustable | | no |
| Real sensing range Sr | [mm] | 10 ± 10 % |

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| | | | |
|---|---|---|---|
| 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 / aluminium: 0.5 / copper: 0.4 | |
| Hysteresis | [% of Sr] | 10 | |
| **Response times** | | | |
| Start-up delay | [s] | < 0.5 | |
| 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 | |
| **Mechanical data** | | | |
| Weight | [g] | 281.35 | |
| Housing | | threaded type | |
| Mounting | | flush mountable | |
| Dimensions | [mm] | M30 x 1.5 / L = 80 | |
| Thread designation | | M30 x 1.5 | |
| Materials | | brass special coating; PA; TPE-U | |
| Tightening torque | [Nm] | 50 | |
| **Displays / operating elements** | | | |
| Display | | switching status | 2 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. | |

# DI0104

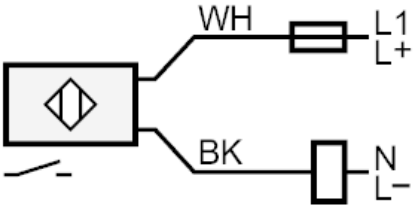
## Compact evaluation unit for speed monitoring

**DIA2010-ZROA/5-3600 I/MIN/OAU**

### Electrical connection

Cable: 2 m, PUR; 2 x 0.5 mm²

Connection




| | |
|---|---|
| Note | miniature fuse to IEC60127-2 sheet 1 ≤ 2 A (fast acting) |
| | Core colours : |
| BK = | black |
| WH = | white |