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# Chave de segurança com travamento ZM

A chave de segurança com travamento elobau modelo ZM é ideal para montagem em áreas com espaço restrito devido à seu design compacto.

## Especificação Técnica

- 7 direções de acionamento
- Fácil montagem – 3 opções de entrada de cabos
- Diversas opções de travas mecânicas modelo ZB

**Modelos de travas compatíveis:**

ZBG5M
ZBG5G
ZBA5G
ZBG5GE
ZBA5GE ZBU5M
ZBL5M
ZBU5ME
ZBL5ME

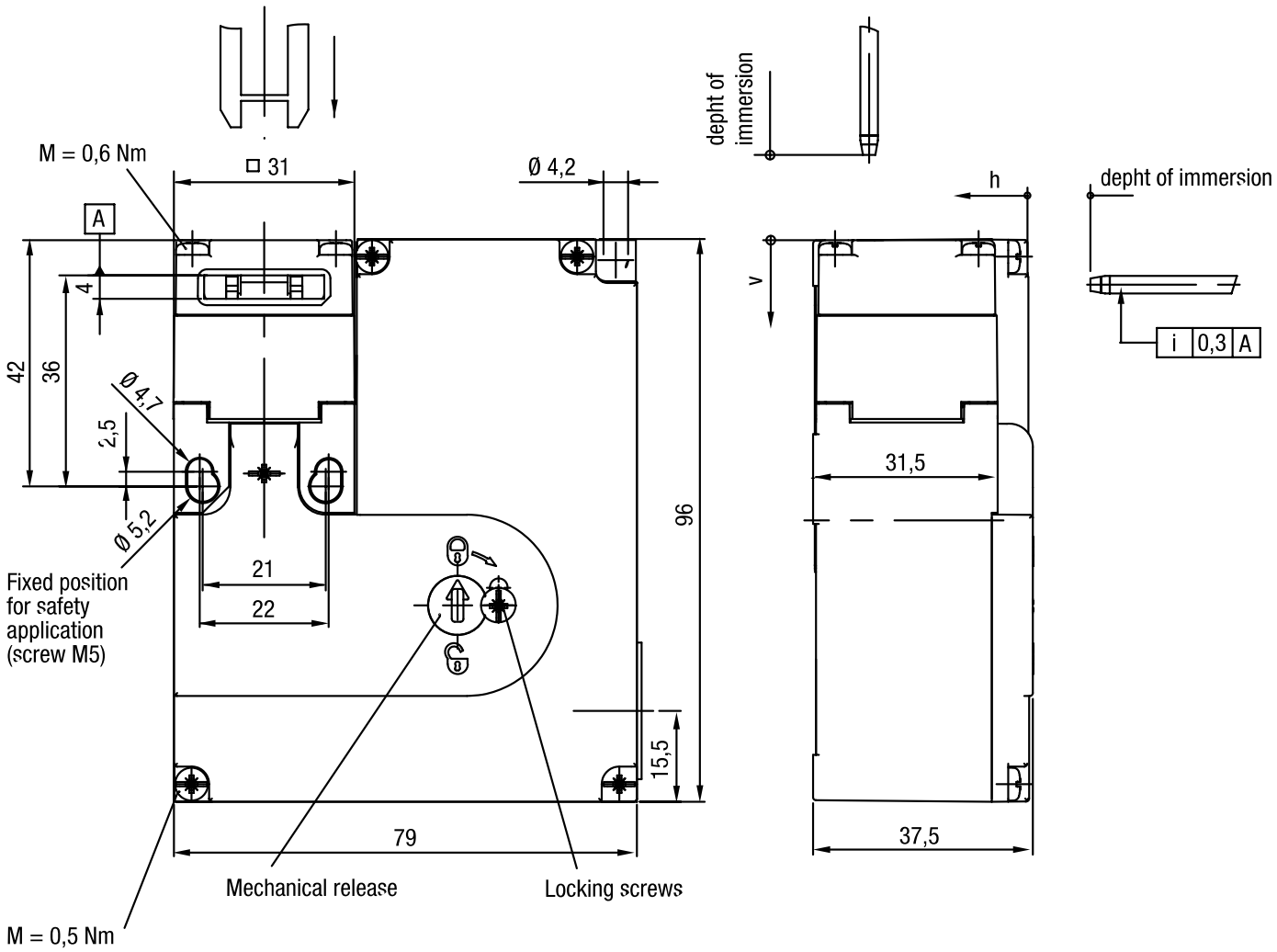
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## Desenho técnico

IMAGE 1/3



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IMAGE 2/3

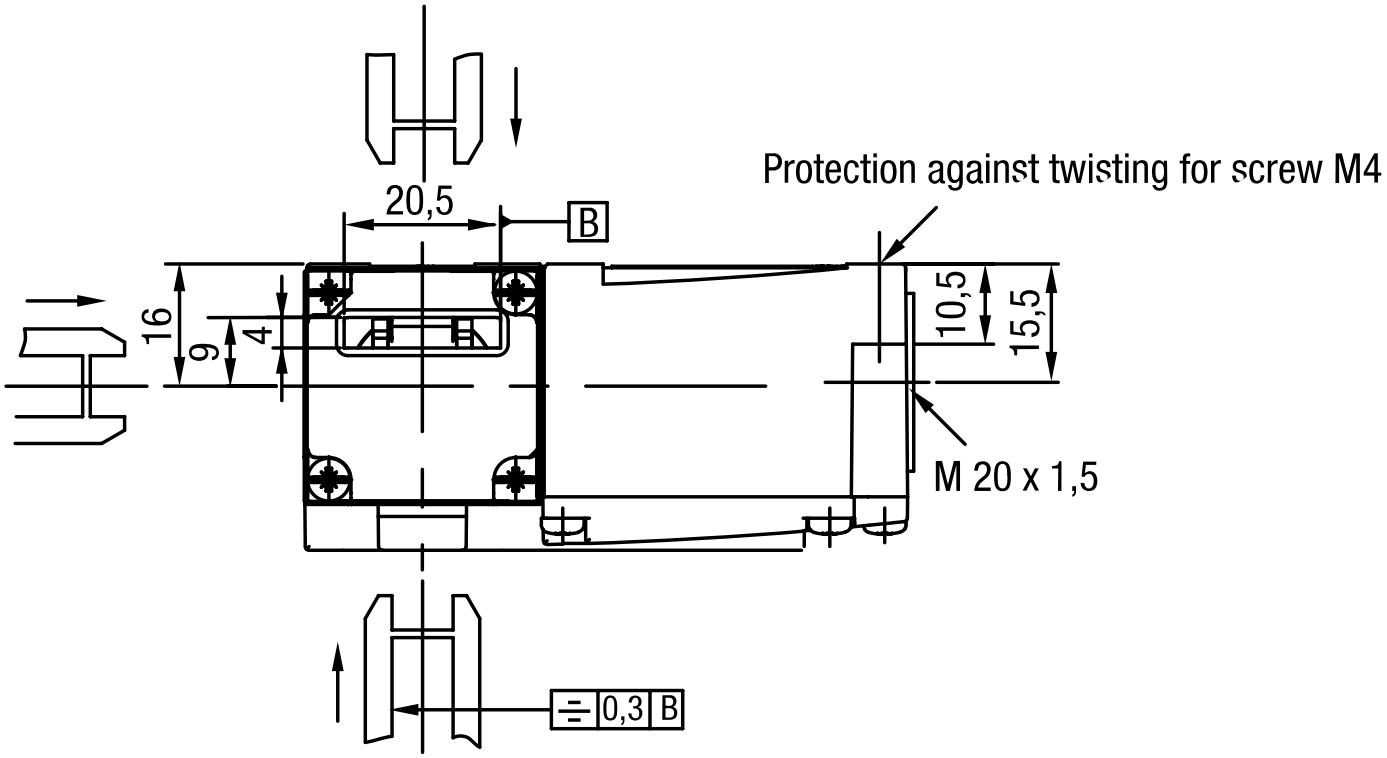
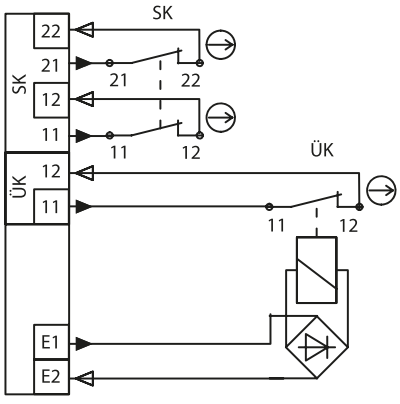


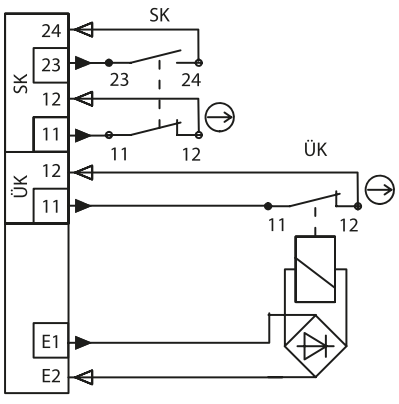

IMAGE 3/3

## Contact form

ZMR 1030 V
ZMA 1030 V




ZMR 1120 V
ZMA 1120 V



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## Product options

IMAGE 1/1

### ORDERING KEY

| ZM | | | | Safety interlock |
|---|---|---|---|---|
| | R | | | Spring force locked / closed-circuit principle |
| | A | | | Magnetically locked / open-circuit principle |
| | | 1030 | | 24 V AC/DC operating voltage for magnet / 3 force-guided N.C. |
| | | 1120 | | 24 V AC/DC operating voltage for magnet / 1 N.O. / 2 force-guided N.C. |
| | | | V | Approach direction front |

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## Características do artigo

| Attribute | ZMA1030V | ZMA1120V | ZMR1030V | ZMR1120V |
|---|---|---|---|---|
| **Min. switching voltage** | 24 V DC | | | |
| **Min. switching voltage** | 24 V AC | | | |
| **Min. switching current** | 1 A | | | |
| **Conv. thermal continuous current Ith** | 4 A | | | |
| **Utilization category** | AC-15 4A 230V / DC-13 4A 24V | | | |
| **Rated insulation voltage (Ui)** | 250 V | | | |
| **Rated impulse withstand voltage (Uimp)** | 2500 V | | | |
| **Magnet operating voltage +10%/-15%** | 24 V AC/DC | | | |
| **Power consumption** | 6 W | | | |
| **Power-on time ED** | 100 % | | | |
| **Open-circuit principle** | yes | | – | |
| **Closed-circuit principle** | – | | yes | |
| **Switching principle** | Slow-action switch | | | |
| **Short-circuit protection in accordance with IEC 60269-1 (fuse)** | 4 A gG | | | |
| **Conditional short circuit current** | 100 A | | | |
| **Pollution degree** | 3 | | | |
| **B10d acc. to EN ISO 13849-1** | 2000000 | | | |
| **Type acc. to EN ISO 14119** | 2 | | | |
| **Mission time in years** | 20 a | | | |
| **Service life, mechanical (Cycles)** | 1 x 10^6 | | | |
| **Dimensions** | 37,5 x 79 x 96 mm (H/B/T) | | | |
| **Emergency release present** | no | | | |
| **Auxiliary unlocking device present** | yes | | | |
| **Emergency unblocking present** | no | | | |
| **Locking force Fmax** | 2000 N | | | |
| **Locking force FzH** | 1500 N | | | |
| **Immersion depth** | 24.5 mm | | | |
| **Overrun max.** | 5 mm | | | |

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| Attribute | ZMA1030V | ZMA1120V | ZMR1030V | ZMR1120V |
|---|---|---|---|---|
| **Number of N.C. door position** | 0 | | | |
| **Number of N.O. door position** | 0 | 1 | 0 | 1 |
| **Number of interlocks guard locking** | 1 | | | |
| **Number of N.O. guard locking** | 0 | | | |
| **Number of interlocks door position** | 2 | 1 | 2 | 1 |
| **Operating speed max.** | 20 m/min | | | |
| **Actuation frequency** | 1200 1/h | | | |
| **Actuation force/attraction force/retention force** | 35 / 30 / 20 N | | | |
| **Housing material** | Glasfaserverstaerkter Thermoplast | | | |
| **Housing colour** | Gehaeuse schwarz / Deckel gelb | | | |
| **Contact material** | Silberlegierung hauchvergoldet | | | |
| **Protection class** | IP67 DIN EN 60529 | | | |
| **Operating temperature min.** | -20 °C | | | |
| **Max. operating temperature** | 50 °C | | | |
| **Min. storage temperature** | -20 °C | | | |
| **Max. storage temperature** | 50 °C | | | |
| **Mounting type** | screwed | | | |
| **Weight** | 500 g | | | |
| **Installation** | arbitrary | | | |
| **Connection type** | 3 x M20 x 1,5 Kabelverschraubung | | | |
| **Min. connection cross section** | 0.34 mm² | | | |
| **Max. connection cross section** | 1.5 mm² | | | |
| **Certified in accordance with** | EN ISO 60947-5-1 GS-ET-19 UL 508 / CSA 22.2 | | | |
| **CE label** | yes | | | |