



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

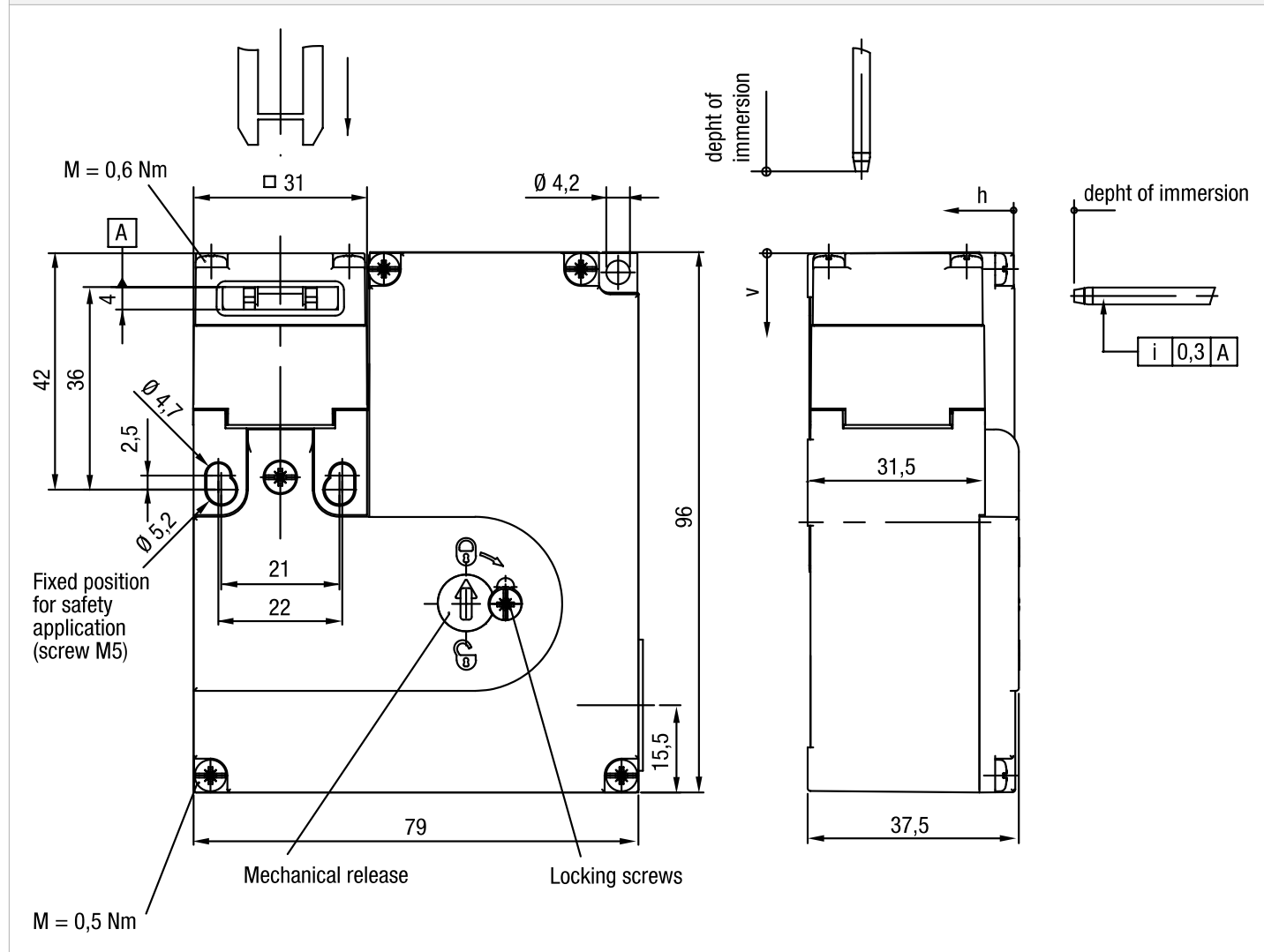
- 7 direções de acionamento
- Fácil montagem – 3 opções de entrada de cabos
- Diversas opções de travas mecânicas modelo ZB

Modelos de travas compatíveis:

ZBG5M
ZBG5G
ZBA5G
ZBG5GE
ZBA5GE ZBU5M
ZBL5M
ZBU5ME
ZBL5ME

Desenho técnico

IMAGE 1/3



Technical drawing of a mechanical part, likely a bracket or support, showing dimensions and features:

- Dimensions:**
 - Overall width: 20,5
 - Overall height: 16
 - Distance from top edge to first hole center: 9
 - Distance between hole centers: 4
 - Distance from right edge to hole center: 10,5
 - Distance from right edge to bottom edge: 15,5
- Features:**
 - Four circular holes (likely for screws) arranged in a 2x2 grid.
 - A rectangular slot on the right side.
 - A feature labeled "Protection against twisting for screw M4" with a dimension of 10,5.
 - A feature labeled "M 20 x 1,5" (likely a screw or bolt).
 - A feature labeled "B" (likely a bracket or support).
 - A feature labeled "0,3 B" (likely a dimension or tolerance).

The diagram shows a three-phase power supply system. On the left, a vertical bar represents the power source with terminals labeled SK (22, 21, 12, 11) and ÜK (12, 11). Below this are terminals E1 and E2. A three-phase switch (ÜK) is connected to the SK terminals. The switch has three phases, each with a switch symbol (a circle with a diagonal line) and a contact symbol (a circle with a horizontal line). The switch is controlled by a single control line (ÜK) that branches into three lines, each passing through a switch symbol. The switch is connected to a three-phase load (a diamond shape with three internal lines) and a three-phase meter (a circle with three internal lines). The load is connected to the SK terminals. The meter is connected to the ÜK terminals. The load and meter are connected to a common ground (a horizontal line with a triangle symbol).

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

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			

Características do artigo

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			