

**Cod. E4000AI**



### Standard and Approvals

- Switch according to IEC/EN 60947-3
- Certified UL60947-4-1A and CAN/CSA C22.2 No. 60947-4-1-07
- Suitable as Manual Motor Controller

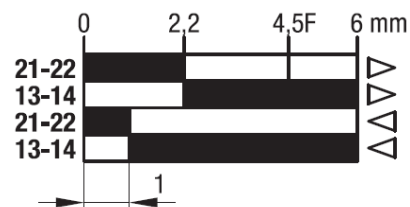


### Contact block

1NO+1NC snap action



### Contact travel

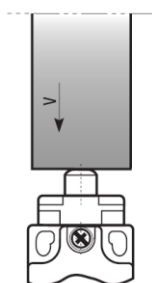


■ Contacts closed □ Contacts opened

### Characteristics

- Metal head and thermoplastic body
- IP66 protection degree
- 1NO+1NC snap action contact block
- Contact block with positive opening
- 1 Pg13,5 cable entry

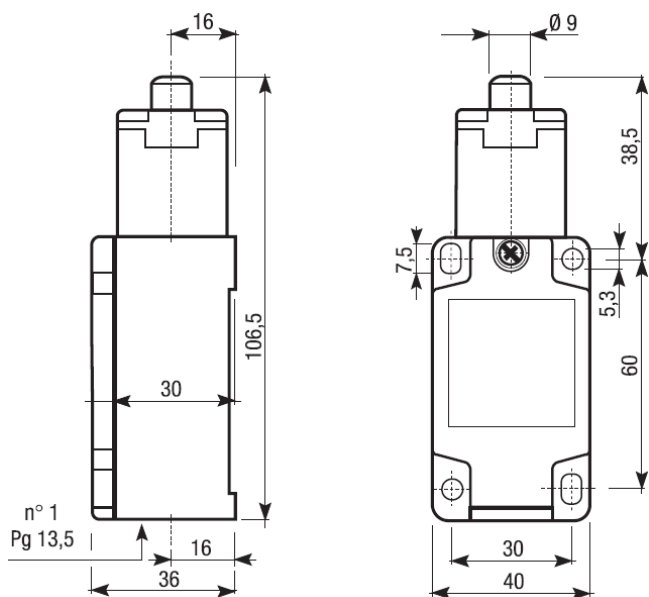
### Drive cam operating parameters



$V_{max}$  (m/s) 0,5

Drive forces  
 Minimum command force 9 N  
 Minimum forced opening force 28 N

### Dimension



### Cable Input/Output

1 on the bottom



### Actuator



**Steel plunger**

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### Technical data

		TYPE	E100 / E200 / E300 / E400		
Maximum operating frequency		operat./hour <sup>1</sup>	3600		
Insulation resistance		500 V DC MΩ	100		
Dielectric strenght		50/60 Hz for 1'	2500 <sup>2</sup>		
Rated insulation voltage	Ui	IEC947-5-1	500		
Rated thermal current	Ithe	IEC947-5-1	10		
Rated operating current	Category AC15 A300	le IEC947-5-1/EN60947-5-1	24V	A	10
			125V	A	6
			230 V	A	6
			400 V	A	3
Contact resistance		IEC255-7 cat.3 initial value	mΩ	25	
Short circuit protective devices		IEC269 (IEC947-5-1)			
		fuse type gL or gG	A	10	
Rated conditionals short circuit current		IEC947-5-1	A	1000	
Pollution degree		IEC947-5-1	A	3	
Protection degree		EN 60529		IP66	
Protection against electric shock		plastic	class	II	
		metal	class	I	
Vibration resistance		IEC68-2-6	mm	0,35 ± 15% (10 ÷ 55 Hz ± 1 Hz)	
Shock resistance		IEC68-2-27	11ms	g	30
Mechanical life				cycles	20.000.000
Electric life		at 250V AC 6A with resistance load cosφ=1		cycles	500.000
		at 250V AC 6A with inductive load cosφ=0,4		cycles	500.000
Distance between contacts		Snap action type	mm		2x1,25
		Low action type	mm		2x2
Terminals		Type			Screw with combined notch and retractable plate (notch Ph, Size 1)
		Screw		M	3,5
		Protection degree			IP20
		Material			Steel class 8,8 / Galvanized
		Max screw tightening torque			120 (12,24)
		Max connecting capacity	rigid cable	mm <sup>2</sup>	
	flexible cable		mm <sup>2</sup>		2x1,5
Terminal numbering					In accordance with EN50013
Air ambient temperature		operational	°C		-35 ÷ +85 (without formation of ice)
Relative umidity		operational			95% max

<sup>1</sup> One operation cycle means two movements, one to close and one to open as required by EN 60947-5.

<sup>2</sup> Between terminals of the same polarity; between terminals with different polarity; between live mechanical parts and ground; between live mechanical parts and non-current-carrying metal parts.