

Via castellazzo 9 - 20040 Cambiago (MI)
Tel +39 02 95651611 Fax +39 02 95651639
www.bremas.eu info@bremas.it

ISO 9001 Certified Quality System

## Cod. E10000EM



Thermoplastic body and metal head

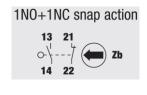
1NO+1NC snap action contact block Contact block with positive opening

## 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



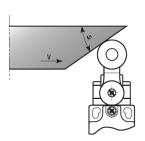
## Contact block



## Contact travel



## Drive cam operating parameters



φ	V max (m/s)
30°	1,5
45°	1
60°	0,75
60-90°	0,25

Drive forces

Minimum command force 15 Ncm Minimum forced opening force 35 Ncm

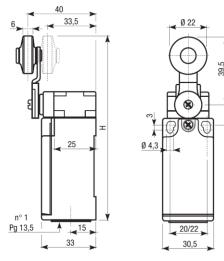
## Dimension

Characteristics

1 cable entry

Pg 13,5 thread

IP66 protection degree



## Cable Input/Output

## 1 on the bottom



#### Actuator



Thermoplastic roller lever

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# **Limit and Safety Switches**Datasheet



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#### Technical data

					TYPE	E100 / E200 / E300 / E400
Maximum operating frequency		operat./hour1			erat./hour1	3600
Insulation resistance				500 V DC	MΩ	100
Dielectric strenght			50	0/60 Hz for 1 <b>'</b>	V AC	2500 ²
Rated insulation voltage		Ui	EC947-5-1		V AC	500
Rated thermal current		<b>I</b> the	IEC947-5-1		Α	10
Rated operating current	Category AC15	le	IEC947-5-1/EN60947-5-1	24V	А	10
	A300		_	125V	Α	6
			_	230 V	Α	6
			_	400 V	А	3
Contact resistance			EC255-7 cat.3	initial value	mΩ	25
Short circuit protective devices			IEC269 (IEC947-5-1)			
			fuse type gL or gG		Α	10
Rated conditionals short circuit current			EC947-5-1		Α	1000
Pollution degree			EC947-5-1		Α	3
Protection degree			EN 60529			IP66
Protection against electric shock				p <b>l</b> astic	class	ll l
			_	metal	class	I
Vibration resistance			EC68-2-6	mm		0,35 ± 15%
						$(10 \div 55 \text{ Hz} \pm 1 \text{ Hz})$
Shock resistance			EC68-2-27	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
Termina <b>l</b> s			Туре			Screw with combined notch
						and retractable plate
						(notch Ph. Size 1)
			Screw		М	3,5
		_	Protection degree			IP20
		_	Material			Steel class 8,8 / Galvanized
		_	Max screw tightening torque			120 (12,24)
		_	Max connecting capacity	rigid cab <b>l</b> e	mm²	2x1,5
		_		flexible cable	mm²	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>&</sup>lt;sup>1</sup> One operation cycle means two movements, one to close and one to open as required by EN 60947-5.

<sup>&</sup>lt;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.