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ISO 9001 Certified Quality System

www.bremas.eu

Cod. M311NONC

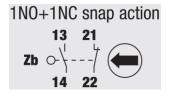
Standard and Approvals

- · 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

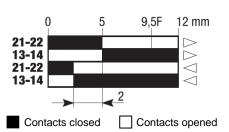




Contact block



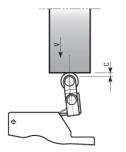
Contact travel



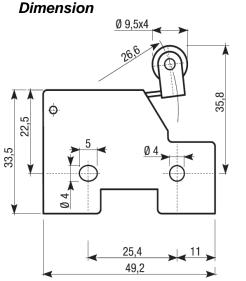
Characteristics

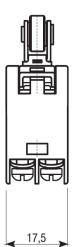
- Thermoplastic body
- Roller lever length 26,6mm
- 1NO+1NC snap action contact block
- · Contact block with positive opening
- · Cable screw terminals

Drive cam operating parameters



Min. force (cNm)	
for tripping	2
for positive opening	13





Cable Input



Cable entry with screw

Actuator



11

Thermoplastic roller lever, length 26,6

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Limit and Safety SwitchesDatasheet



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Technical information

					T I PO	M3
Maximum operating frequency					operat./hour1	1800
Insulation resistance				500 V DC	MΩ	100
Dielectric strenght				50/60 Hz per 11	V AC	2500°
Rated insulation voltage		Ui	EC947-5-1		V AC	250
Rated thermal current		the	IEC947-5-1		А	10
Rated operating current	Category AC15	le	IEC947-5-1/EN60947-5-1	24V	А	5
	A300			125V	А	3
			_	230 V	А	1,5
Contact resistance			EC255-7 cat.3	initial value	mΩ	25 max
Short circuit protective devices			IEC269 (IEC947-5-1)			
			fuse type gL or gG		А	3
Pollution degree			EC947-5-1		А	3
Protection degree			EN 60529			I P40
Vibration resistance			EC68-2-6	mm		0,35 ± 15%
						$(10 \div 55 \text{ Hz} \pm 1 \text{ Hz})$
Shock resistance			IEC68-2-27	11ms	g	30
Mechanical life					cycles	15,000,000
Electric life			at 250V AC 6A with resistance			
			load cosΨ=1		cycles	500.000
			at 250V AC 6A with inductive			
			load cosΨ=0,4		cycles	500.000
Terminals			Туре			Screw with combined notch
						and retractable plate
						(notch Ph. Size 1)
			Screw			M3,5
			Protection degree			IP00 (IP40 with terminals cover)
			Material			Steel class 8,8 / Galvanized
			Max. screw tightening torque			120 (12,24)
			Max connecting capacity	rigid cable	mm²	2x1,5
				flexible cable	mm²	2x1,5
				with prod terminal		1x1,5
Terminal numbering						In accordance with EN50013
Air ambient temperature				operational	°C	- 25 ÷ +85
						(without formation of ice)
Relative umidity				operational		95% max

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

² Between terminals with different polarity; between live mechanical parts and ground; between live mechanical parts and non-current-carrying metal parts