Limit and Safety Switches Datasheet

BREMAS

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ISO 9001 Certified Quality System

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Cod. E40000AI



Characteristics

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

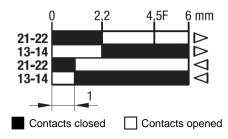
Standard and Approvals

- 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

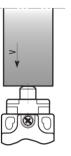


1NO+1NC snap action 13 21 Zb

Contact travel



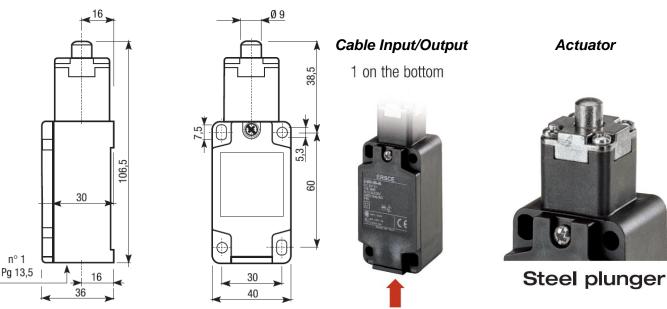
Drive cam operating parameters



V max (m/s)	0,5
Drive forces	
Minimum command force	9 N
Minimum forced	
opening force	28 N

Dimension

n° 1



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Technical data

					TYPE	E100 / E200 / E300 / E400
Maximum operating frequency				0	perat./hour1	3600
Insulation resistance				500 V DC	MΩ	100
Dielectric strenght			5	0/60 Hz for 1'	V AC	2500 ²
Rated insulation voltage		Ui	EC947-5-1		V AC	500
Rated thermal current		the	EC947-5-1		А	10
Rated operating current	Category AC15	le	EC947-5-1/EN60947-5-1	24V	А	10
	A300		-	125V	А	6
			-	230 V	А	6
			-	400 V	А	3
Contact resistance			EC255-7 cat.3	initial value	mΩ	25
Short circuit protective devices			EC269 (EC947-5-1)			
			fuse type gL or gG		Α	10
Rated conditionals short circuit current			EC947-5-1		A	1000
Pollution degree			EC947-5-1		Α	3
Protection degree			EN 60529			P66
Protection against electric shock				plastic	class	l
			-	meta	class	
Vibration resistance			EC68-2-6	mm		0,35 ± 15%
						(10 ÷ 55 Hz ± 1 Hz)
Shock resistance			EC68-2-27	11ms	g	30
Mechanical life					cycles	20.000.000
Electric life			at 250V AC 6A with resistan	ice	-	
			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			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 cable	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

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

² 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.