Limit and Safety Switches Datasheet

BREMAS

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ISO 9001 Certified Quality System

UK

Cod. FM



Characteristics

- Mechanical contact element
- Weight: 0,025kg

Technical data

					TYPE	FMV
Maximum operating frequency	aximum operating frequency operat./hour 1					1800
Insulation resistance				500 V DC	MΩ	100
Dielectric strenght			5	50/60 Hz for 1 '	V AC	2000 ²
Rated insulation voltage		Ui	EC947-5-1		V AC	500
Rated thermal current		the	EC947-5-1		A	10
Rated operating current	Category AC15	e	IEC947-5-1/EN60947-5-1	24V	A	10
	A300			125V	A	10
				230 V	А	6
				400 V	A	4
Contact resistance			EC255-7 cat.3	initial value	mΩ	25
Short circuit protective devices			EC269 (EC947-5-1)			
			fuse type gL or gG		A	10
Pollution degree			EC947-5-1		A	3
Protection degree			EN 60529			P64
Protection against electric shock				meta	class	I
Vibration resistance			EC68-2-6		mm	0,35 ± 15%
						(10 ÷ 55 Hz ± 1 Hz)
Shock resistance			EC68-2-27	11ms	g	30
Mechanica life					cycles	30.000.000
Electric life			at 250V AC 6A with resistar	nce		
			oad cosφ=1		cycles	500.000
			at 250V AC 6A with inductiv	/e		
			oad coq=0,4		cycles	500.000
Terminals			Туре			Screw with combined notch
						and retractable plate
						(notch Ph. Size 1)
			Screw			M3,5
			Materia			Steel class 8,8 / Galvanized
			Max, screw tightening torqu	е	Ncm (Kg cm)	120 (12,24)
			Max connecting capacity	rigid cable	mm ²	2x1,5
				flexible cable	mm ²	2x1,5
			with	n prod terminal		1x1,5
Terminal numbering						In accordance with EN50013
Air ambient temperature				operational	°C	-10 ÷ +70
						(without formation of ice)
Relative umidity				operationa		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 with different polarity; between live mechanical parts and ground; between live mechanical parts and non-current-carrying metal parts

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Standard and Approvals

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

Dimension

Suitable as Manual Motor Controller

Contact block





