BREMAS

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ISO 9001 Certified Quality System

Cod. FMV3R12100

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

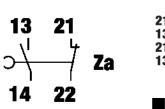


Characteristics

- · Metal body and metal head
- IP64 protection degree
- · Steel roller plunger actuator
- 1NO+1NC snap action contact block
- · Contact block with positive opening
- 2 cable entries
- · Cable entry with Pg thread

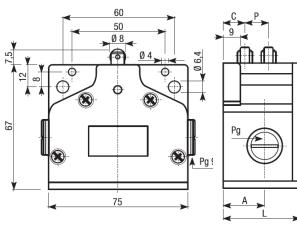
Contact block

Contact travel



0 1,5 5,5 mm 21-22 13-14 21-22 13-14 0,5 Contacts closed Contacts opened

Dimension



N° of actuators	Р	С	L	Pg	A
3	12	12	53	13,5	30

Drive cam	operating	parameters
	eper a mig	

φ	V max (m/s)
30°	1
20°	1,5

Drive forces	
Minimum command force	10 N
Minimum force on lateral travel	18 N

- P = Pitch (distance between two actuators)
- C = Distance between bracket and first actuator
- L = Overall dimensions

A = Distance between bracket and input/output holes

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Technical data

					TYPE	FMV
Maximum operating frequency				op	erat./hour 1	1800
Insulation resistance			500 V DC ΜΩ		MΩ	100
Dielectric strenght			5	i0/60 Hz for 1	V AC	2000 ²
Rated insulation voltage		Ui	EC947-5-1		V AC	500
Rated thermal current		the	EC947-5-1		А	10
Rated operating current	Category AC15	е	EC947-5-1/EN60947-5-1	24V	А	10
	A300			125V	А	10
				230 V	А	6
				400 V	А	4
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
Pollution degree			EC947-5-1		А	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
Mechanical life					cycles	30.000.000
Electric life			at 250V AC 6A with resistar	ice		
			load cosq=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	e N	cm (Kg cm)	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	-10 ÷ +70
						(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 with different polarity; between live mechanical parts and ground; between live mechanical parts and non-current-carrying metal parts