

Cod. FM



### Standard and Approvals

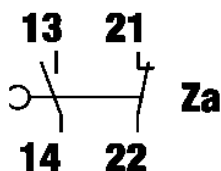
- Switch according to IEC/EN 60947-3
- Certified UL60947-4-1A and CAN/CSA C22.2 No. 60947-4-1-07
- Suitable as Manual Motor Controller



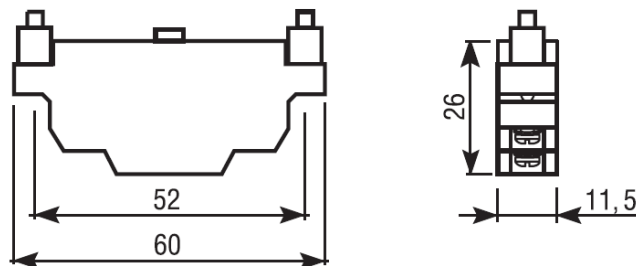
### Characteristics

- Mechanical contact element
- Weight: 0,025kg

### Contact block



### Dimension



### Technical data

		TYPE	FMV	
Maximum operating frequency		operat./hour <sup>1</sup>	1800	
Insulation resistance		500 V DC MΩ	100	
Dielectric strenght		50/60 Hz for 1' V AC	2000 <sup>2</sup>	
Rated insulation voltage	Ui	IEC947-5-1 V AC	500	
Rated thermal current	Ith	IEC947-5-1 A	10	
Rated operating current	Category AC15 A300	Ie IEC947-5-1/EN60947-5-1 24V A	10	
		125V A	10	
		230 V A	6	
		400 V A	4	
Contact resistance		IEC255-7 cat.3 initial value mΩ	25	
Short circuit protective devices		IEC269 (IEC947-5-1)		
		fuse type gL or gG A	10	
Pollution degree		IEC947-5-1 A	3	
Protection degree		EN 60529	IP64	
Protection against electric shock		metal class	I	
Vibration resistance		IEC68-2-6 mm	0,35 ± 15% (10 ÷ 55 Hz ± 1 Hz)	
		IEC68-2-27 11ms g	30	
Shock resistance		IEC68-2-27 11ms g	30	
Mechanical life		cycles	30,000,000	
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	
Terminals		Type	Screw with combined notch and retractable plate (notch Ph, Size 1)	
		Screw	M3,5	
		Material	Steel class 8,8 / Galvanized	
		Max. screw tightening torque Ncm (Kg cm)	120 (12,24)	
		Max connecting capacity	rigid cable mm <sup>2</sup>	2x1,5
			flexible cable mm <sup>2</sup>	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	

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

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