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ISO 9001 Certified Quality System

Cod. FMV4R12130

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



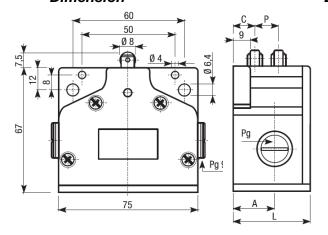


Characteristics

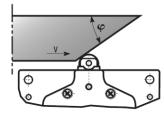
- Metal body and metal head
- IP64 protection degree
- Steel roller plunger actuator
- 1NO+1NC snap action contact block
- · Contact block with positive opening
- 2 cable entries
- · Cable entry with Pg thread

Contact block Contact travel 13 21 21-22 13-14 21-22 13-14 21-22 13-14 Contacts closed Contacts opened

Dimension



Drive cam operating parameters



Drive cam operating	g parameters		
φ	V max (m/s	V max (m/s)	
30°	1		
20° 1,5			
Drive forces			
Minimum command	10 N		
Minimum force on I	18 N		

N° of actuators	Р	С	L	Pg	Α
4	12	30	78	13.5	35

P = Pitch (distance between two actuators)

C = Distance between bracket and first actuator

L = Overall dimensions

A = Distance between bracket and input/output holes

Limit and Safety SwitchesDatasheet



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Technical data

Technical data						
					TYPE	FMV
Maximum operating frequency	Maximum operating frequency operat,/hour 1					1800
Insulation resistance			500 V DC MΩ			100
Dielectric strenght			50	0/60 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	le	IEC947-5-1/EN60947-5-1	24V	А	10
	A300			125V	Α	10
				230 V	Α	6
				400 V	Α	4
Contact resistance			EC255-7 cat.3	initial value	mΩ	25
Short circuit protective devices			IEC269 (IEC947-5-1)			
			fuse type gL or gG		Α	10
Pollution degree			IEC947-5-1		А	3
Protection degree			EN 60529			I P64
Protection against electric shock				meta	class	I
Vibration resistance			IEC68-2-6		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 resistance						
			load cosφ=1 cycles		cycles	500,000
			at 250V AC 6A with inductive			
			load coφ=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	mm²	2x1,5
			_	flexible cable	mm²	2x1,5
with prod terminal				1x1,5		
Terminal numbering			In accordance with EN50013			
Air ambient temperature operational °C		°C	-10 ÷ +70			
						(without formation of ice)
telative 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