Limit and Safety Switches Datasheet

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ISO 9001 Certified Quality System

Cod. E40000IM



Characteristics

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



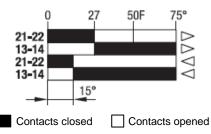
- Switch according to IEC/EN 60947-3
- Certified UL60947-4-1A and CAN/CSA C22.2 No. 60947-4-1-07
- Suitable as Manual Motor Controller

Contact block

13 21

1NO+1NC azione rapida

Contact travel



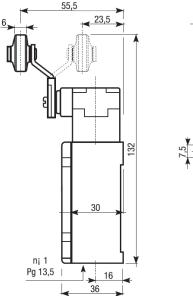
Drive cam operating parameters

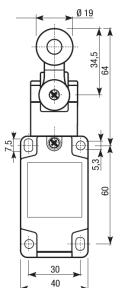
Zb

_ V _	10
-	H
	D®Q

φ	V max (m/s)	
30° 45° 60°	1,5	
45°	1	
60°	0,75	
60-90°	0,25	
Drive forces		
Minimum command	l force 25	5 Ncm
Minimum forced		
opening force	45	5 Ncm

Dimension







Cable Input/Output

1 on the bottom

Actuator



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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 resistance			
			oad cosq=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.