

Position switches

E100 series – Datasheet



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 ISO 9001 Certified Quality System

Cod. E10001SCI



(purely indicative photo)

Standard and Approvals

- Switch certified according to IEC/EN 60947-1
- Certified according to UL file E72861
- Certified according to CSA file 026716-0-000

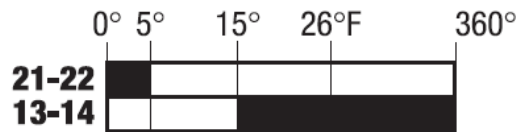


Technical features:

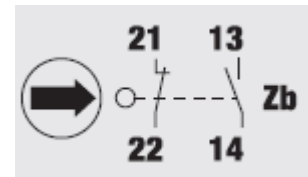
- Thermoplastic body and metal head
- IP66 protection degree
- Safety switch for hinges
- 1NO+1NC slow action contact block
- Contact block with positive opening
- 1 cable entry
- Pg 13,5 thread
- Weight: 0,125 Kg



Contact travel

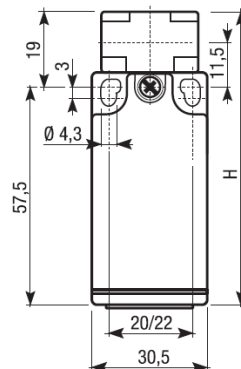
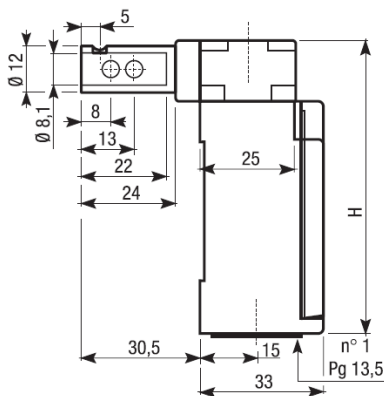


Contact block



Dimensions

Measurements in mm



H=76,5mm

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Insulation resistance		500 V DC	MΩ	100		
Dielectric strength		50/60 Hz per 1' *	V AC	2500		
Rated insulation voltage	UI	IEC947-5-1	V AC	500		
Rated thermal current	Ithe	IEC947-5-1	A	10		
Rated operating current		IEC947-5-1/EN60947-5-1				
Category AC15 A300	le	24 V	A	10		
		125 V	A	6		
		230 V	A	6		
		400 V	A	3		
Category DC13 Q300	le	24 V	A	6		
		48 V	A	4		
		120 V	A	1		
		250 V	A	0,4		
Contact resistance	IEC255-7 cat.3	initial value	mΩ	25		
Short circuit protective devices	IEC269 (IEC947-5-1)	gl or gG type fuse	A	10		
Rated conditionals short circuit current	IEC947-5-1		A	1000		
Pollution degree	IEC947-5-1			3		
Protection degree	EN 60529			IP66		
Protection against electric shock		plastic	class	II		
		metal	class	I		
Vibration resistance	IEC68-2-6	mm		0,35 ± 15% (10 ÷ 55 Hz ± 1 Hz)		
Shock resistance	IEC68-2-27	11 ms	g	30		
Mechanical life			cycles	15.000.000		
Electrical life		at 250 V AC 6A with resistance load cos φ=1	cycles	500.000		
		at 250 V AC 6A with inductive load cos φ=0,4	cycles	500.000		
Distance between contacts		snap action type	mm	2x1,25		
		low action type	mm	2x2		
Terminals	type			Screw with combined notch and retravtable plate (notch Ph. size 1)		
		screw	M	3,5		
		protection degree			IP20	
		material			Steel class 8,8/ Galvanized	
		max. screw tightening torque		cNm (Kg cm)	120 (12,24)	
		max connecting capacity	rigid cable		mm²	2x1,5
			flexible cable		mm²	2x1,5
	with prod terminal			In accordance with EN50013		
Air ambient temperature		operational	°C	-35 ÷ +85 (without formation of ice)		
Relative humidity		operational		95% max		

* 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