

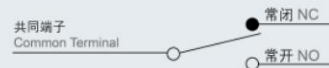
CZ-3 立式限位开关 Vertical Limit Switch



特点 Features

- 具有高机械强度的一体铸造铝合金外壳
- 具耐油、防水和防尘结构
- 引动器种类多，方便使用
- High mechanical strength, mainly consists of aluminum cast
- Water proof, oil proof and dust proof construction
- Various actuators for different applications

接点型式 Contact Form



额定值 Ratings

额定电压 Rated Voltage	非电感性负载 Noninductive Load (A)				电感性负载 Inductive Load (A)			
	电阻性负载 Resistance Load		灯泡负载 Lamp Load		电感性负载 Inductive Load		马达负载 Motor Load	
	NC	NO	NC	NO	NC	NO	NC	NO
125 VAC	5 (0.1)		1.5	0.7	3		2.5	1.3
250 VAC	3		1	0.5	2		1.5	0.8
8 VDC	5 (0.1)		2		5	4	3	
14 VDC	5 (0.1)		2		4	4	3	
30 VDC	4 (0.1)		2		3	3	3	
125 VDC	0.4		0.05		0.4	0.4	0.05	
250 VDC	0.2		0.03		0.2	0.2	0.03	

注：带弹簧系列产品，操作体的使用范围为从弹簧的前端到弹簧全长的 1/3 以内。
Note: Product with spring, its usable range of operating part is within one third of the whole spring length from the front end of spring.

规格 Specifications

额定值 Rating	5A 125V/3A 250VAC
操作速度 Operating speed	1mm~1m/s(摆杆型 Swing rod type) 0.1mm~0.5m/s(柱塞型 Plunger type)
动作频率 Operating frequency	电气: 30 次 / 分 Electrical: 30 operations/min.
接点电阻 Contact resistance	25mΩ 以下 (初始值) 25mΩ max.(initial)
绝缘电阻 Insulation resistance	100mΩ 以上 (在 500VDC 以下) 100mΩ min.(at 500VDC)
电介强度 Dielectric strength	不连续端子间: 1000VAC, 50/60Hz, 持续 1 分钟 1000VAC, 50/60 Hz for 1 minute between terminals of the same polarity 端子和接地之间: 1500VAC, 50/60Hz, 持续 1 分钟 1500VAC, 50/60 Hz for 1 minute between current-carrying and non-current-carrying metal parts 端子和无载电流金属零件之间: 1500VAC, 50/60Hz, 持续 1 分钟 1500VAC, 50/60 Hz for 1 minute between each terminal and ground
振动 Vibration Frequency	10-55Hz, 1.5mm 双振幅 10 to 55Hz, 1.5mm double amplitude
冲击 Shock	机械耐久: 1000mm/s ² 以上 (约 100G 以上) 误动作耐久: 500mm/s ² 以上 (约 50G 以上) Mechanical Approx. 1000m/s ² (Approx. 100G'S) Electrical Approx. 500m/s ² (Approx. 50G'S)
使用温度 Ambient temperature	-20~+70 °C (没有结冰) Using: -20~+70 °C (With no icing)
湿度 Humidity	< 95% RH
电气寿命 Electrical life	20 万次以上 200,000 operations/min.
重量 Weight	约 360g(电缆线长 3m) 约 540g(电缆线长 5m) Approx. 360g(cable length 3m) Approx. 540g(cable length 5m)
防水等级 Protection level	IP67

动作特性 Operating Characteristics

型号 Model	CZ-3	CZ-3101	CZ-3102	CZ-3103	CZ-3104 (3107/3108)	CZ-3110	CZ-3111	CZ-3112	CZ-3113	CZ-3169 (3166/3167/3168)
操作力 Operating Force	OF(最大)(Max.)	11.77N	11.77N	11.77N	5.69N	11.77N	17.65N	17.65N	17.65N	1.47N
回弹力 Release Force	RF(最小)(Min.)	4.41N	4.41N	4.41N	1.47N	4.41N	4.41N	4.41N	4.41N	-
预行程 Pre-Travel	PT(最大)(Max.)	1.8mm	1.8mm	1.8mm	25	1.8mm	1.8mm	1.8mm	1.8mm	15"
过行程 Over Travel	OT(最小)(Min.)	3mm	3mm	3mm	40	3mm	3mm	3mm	3mm	-
行程移动分辩率 Movement Differential	MD(最大)(Max.)	0.2mm	0.2mm	0.2mm	3	0.2mm	0.2mm	0.2mm	0.2mm	-
动作位置 Operating Position	OP(mm.)	15.7 ± 1mm	28.5 ± 1mm	28.5 ± 1mm	-	28.5 ± 1mm	24.9 ± 1mm	34.3 ± 1mm	34.3 ± 1mm	-