

RA型封装限位开关 RA Seal Limit Switch

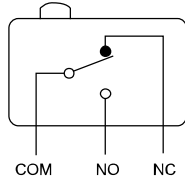
经济且实用性高的封装限位开关
Economical and high practical seal limit switch

(尺寸单位Size Unit : mm)

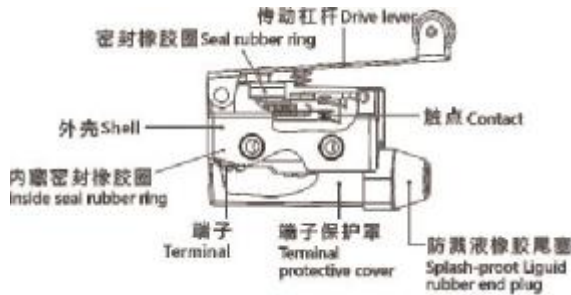


(滚轮短杠杆型Roller short lever type)

接触形式 Contact type



产品构造图 Wiring area size



特点 Characteristic

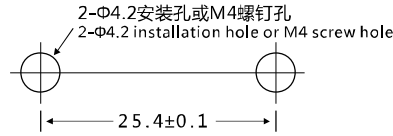
1、长寿命 Long life

- △ 采用高效率的弹簧结构设计，机械寿命为1000万次以上。
- △ Dopt High-efficiency spring structure design, machine life more than 10,000,000 operation.

2、机械强度高、小巧、轻便

High mechanical strength, slight, soft

- △ 安装孔间距为25.4mm，与RZ型微动开关相同。
- △ installation hole spacing is 25.4mm, same as RZ type switch

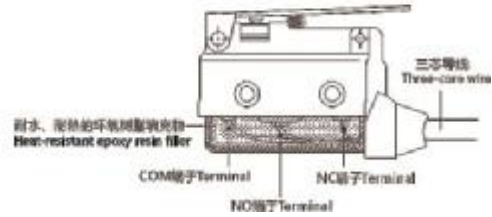


- △ 外壳采用有良好机械特性的塑料材料制成，能耐受较大的冲击。
- △ Shell with good mechanical properties of plastic materials that can withstand the impact of large stock.

3、防尘和耐油的结构设计

The structural design of dust-proof and oil-proof

- △ 开关本体用被压缩的橡胶圈和隔膜进行密封，可保持IP64的密封等级。
- △ 可定制端子部分用环氧树脂进行密封的产品，但引出导线要先选定。
- △ Switch body adopt the compressed by the rubber seal rings and diaphragms, it will keep IP64 class
- △ Can be customized terminal part of the epoxy resin to seal the product, but need choose the wire leads first.



4、对于较大超行程有良好的缓冲、减震作用

Has a good cushion, shock absorption to larger ultra-trip

5、已通过CCC、CE认证

Certificate: CCC、CE

传动形式 Drive from

传动形式 Drive types	塞柱短按钮型 Plug column short button type	塞柱型 Plug column type	面板安装式塞柱型 Panel installation plug column type	面板安装式滚轮塞柱型 Panel installation of roller plug column type
示意图 Schematic diagram				
传动形式 Drive types	杠杆型 Lever types	滚轮杠杆型 Lever type roller lever type	滚轮短杠杆型 Roller short lever type	弹簧软杆型 Spring soft rod type
示意图 Schematic diagram				

额定值及性能概述 Rated value and performance

额定工作电流 Rated work current	10A 125V , 250VAC;0.4A 115VDC(阻性负载) 10A 125V , 250VAC;0.4A 115VDC(Resistance load)		
触点规格 Contact Specification	接触电阻(初始值) Contact resistance(initial value)	15MΩ以下(不含铜线电阻) Under 15M(without copper wire resistance)	
	触点材料 Contact Material	用化学式银氧化镉触点(如需不含镉的材料【符合RoHS指令】可定制) With the chemical formula silver cadmium oxide contact(can make to the RoHS directive)	
电气性能 Electrical performance	绝缘电阻(初始值) Insulation resistance (initial value)	100mΩ以上(用DC500绝缘电阻计检测) 100mΩ min. (tested by 500VDC insulation ohmer)	
	耐击穿电压 Voltage-withstanding	在非连接端子之间(初始值) : 1, 500V 50/60Hz 1分钟 在无电压金属件与各端子之间 : 2, 000V 50/60Hz 1分钟 在接地与接线端子之间 : 2, 000V 50/60Hz 1分钟 Non-connected terminal: 1, 500V 50/60Hz 1 min No-voltage metal part and terminal: 2, 000V 50/60Hz 1min Ground and terminal: 2, 000V 50/60Hz 1min	
机械性能 Mechanical	耐冲击性 Shock-resistant	自由状态 Free state	98m/s ² (10G)以下 Under 98m/s ² (10G)
		满负荷状态下 Full load state	294m/s ² (30G)以下 Under 294m/s ² (30G)
	耐振动性 Vibration resistance	双振幅1.5mm 10~55Hz(触点离开为1ms以下) 10-55HZ,1.5mm double amplitude (contact left is under 1ms)	
寿命 Life	机械寿命(规定超程OT) Mechanical(overtravel OT)	1,000万次以上(通断频率50次/分钟) 10,000,000 operations min(on-off frequency 50 operations/min)	
	电气寿命(阻性负载) Electrical(resistance load)	20万次以上(通断频率20次/分钟) 200,000 operations min(on-off frequency 20 operations/min)	
使用条件 Use condition	环境温度/环境湿度 Ambient temperature and humidity	-20°C~+60°C(应无冻冰、凝露)/95%RH以下(+5~20°C左右) -20°C~+60°C (without frozen and dew),under 95%(about +5~20°C)	
	最大通断频率 Max.on-off frequency	120次/分钟 120 operation/min	

工作特性 Work characteristic

传动形式 Drive form	特性 Characteristic	动作压力(OFF)最大 Action Pressure(OFF) max (N{gf})	复位力(RF)最小 Release force(RF) min(N{gf})	预行程(PT)最大 Pre-travel(PT) max(mm)	差程(MD)最大 Movement differential(MD) max.(mm)	超程(OT)最小 Over travel (OT) min(mm)	动作位置(OP) Actopn seat (OP) (mm)
塞柱短按钮型 Plug column short button type		5.88{600}	0.98{100}	2.0	0.8	0.8	30±0.8
塞柱型 plug column type		5.88{600}	0.98{100}	2.0	0.8	5.0	44±1.2
杠杆型 Lever type		1.47{150}	0.39{40}	13.5	3.2	4.0	25±2.0
弹簧软杆型 Spring soft rod type		1.18{120}	-	25	-	11	36 (全行程Full travel)
单方向动作滚轮杠杆型 one-way action roller lever type		1.96{200}	0.59{60}	11.0	2.4	3.0	50±2.0
短杠杆型 Short lever type		2.16{220}	0.59{60}	8.5	2.0	2.5	25±1.3
滚轮短杠杆型 Roller short lever type		2.35{240}	0.78{80}	6.5	1.5	2.0	40±1.6
单方向动作滚轮短杠杆型 One-way action roller short lever type		2.75{280}	0.98{100}	6.5	1.5	2.0	50±1.6
面板安装式塞柱型 panel installation plug column type		5.88{600}	0.98{100}	2.0	0.8	6.0	21.8±0.8
面板安装式滚轮塞柱型 panel installation of roller plug column type		5.88{600}	0.98{100}	2.0	0.8	6.0	33.3±1.2
面板安装式交叉滚轮塞柱型 Panel installation of cross roller pulg column type		5.88{600}	0.98{100}	2.0	0.8	6.0	33.3±1.2
滚轮杠杆型 lever type roller lever type		1.77{180}	0.49{50}	11.0	2.4	3.0	40±1.9

图片展示 Pictures

塞柱短按钮型
Plug column short button type



RA7100

塞柱型
Plug column type



RA7110

面板安装式塞柱型
Panel installation plug column type



RA7310

面板安装式滚轮塞柱型
Panel installation of roller plug column type



RA7311

面板安装式交叉滚轮塞柱型
Panel installation of cross roller plug



RA7312

短杠杆型
Short lever type



RA7140

杠杆型
Lever type



RA7120

滚轮短杠杆型
Roller short lever type



RA7141

滚轮杠杆型
Roller lever type



RA7121

单方向动作滚轮杠杆型
One-way action roller lever type



RA7124

单方向动作滚轮短杠杆型
One-way action roller short lever type



RA7144

弹簧软杆型
Spring soft rod type



RA7168