

METAL PUSH BUTTON SWITCH

金属按钮开关

Φ16mm

▶ 灯珠参数 Lamp parameters

灯珠类型 Lamp type	双向LED灯珠(交直流通用)LED Lamp(AC/DC)
额定电压 Rated voltage	AC/DC 1.8~250V
额定电流 Rated current	约15mA About 15mA
灯珠颜色 LED Life	R O Y G B W
灯珠等效电路 Lamp circuit diagram	 采用交直流通用的LED灯珠,接线端子无正负极区分;灯珠内置保护电阻,不需外接。Using AC/DC LED lamp, the terminals have no difference of anode and cathode; Using inner resistance, do not need connect outer resistance.

▶ 表面效果图 Switch structure



镀金I



镀铜镍N



镀古铜L



不锈钢X



黑色W



红色R



绿色G



橙色O



蓝色B

▶ 技术参数 Technical parameters

产品名称 Product name	金属按钮开关Metal push button switch
产品型号 Product number	Q16A环型电源Q16A Ring power supply
电气参数 Electrical parameters	3A/250VAC
使用温度范围 Operating temperature range	-20°C~+55°C
防护等级 Protection level	IP65, IK10, IP40
开关组合 Switch combination	1NO
操作类型 Operation type	自复/自锁Momentary/Maintained
LED电压 LED Voltage	3V~220V
灯珠寿命 Lamp life	40000小时40000hour

性能 Performance

Mechanical performance	项目 project	试验条件 Test conditions		规格 specification
		动作力 Action	沿垂直方向对开关缓慢施加负荷 Slowly apply a vertical load to the beginning	
机械性能	机械寿命 Mechanical life	在无加负载情况下,以30次/分速度 In the case of no load, at a speed of 30 times/min	操作循环次数达50万次 Up to 500,000 operation cycles	
	可焊性 Solderability	锡锡温度230±5°C浸渍时间3±0.5S Soldering tin temperature 230±5°C, immersion time 3±0.5S	锡锡面积为灌漆面的90%以上 The tin-dipping area is more than 90% of the immersion enclosure	
	抗热性 Heat resistance	锡锡温度260±5°C浸渍时间5±1S Soldering tin temperature 260±5°C, immersion time 5±1S	电气、机械性能无异常 No abnormal electrical and mechanical properties	
Electrical performance	接触电阻 Contact resistance	6V.DC	≤50mΩ	
	绝缘电阻 Insulation resistance	500V.DC历时 Duration 1min	≥1000mΩ	
技术要求 Skills requirement				
耐电压测试 Withstand voltage test	测试条件 Test Conditions		要求 Claim	
	微断开 Micro disconnection	1000Vac/50Hz, 历时 Duration 1min	无闪络无击穿	No flashover and no breakdown
耐久测试 Endurance test	基本绝缘 Basic insulation	1000Vac /50Hz, 历时 Duration 1min	功能正常	Functioning normally
	过载测试 Overload test	5A/250VAC, 6~10次/分, 共50次 5A/250VAC, 6~10 times/min, 50 times in total	5A/250VAC, 6~10次/分, 共10000次 5A/250VAC, 6~10 times/min, 10000 times in total	端子温度≤30K Terminal temperature≤30K
温度测试 Temperature test		5A/250V, 连续通电1h直至温升稳定, 连接导线规格:18AWG 5A/250V, continuous power on for 1h until the temperature rise is stable, connection wire size: 18AWG		