

ONPOW71系列金属钮子开关
series metal toggle switch

ALL NEW

支持三色带灯的小型防水金属钮子开关
Miniature waterproof metal toggle switch supporting tri-color lights

- 超平头部设计，简洁不简单
Ultra-flat head design, simple and elegant
- 使用高强度金属壳体及钮柄，保证使用品质
Use high-strength metal shell and button handle to ensure quality
- 具备良好的“耐震动、防水、耐高低温”性能
Vibration-resistant, waterproof, high and low temperature resistant
- 标配三色带灯(共阴)，搭配线路板可实现三色切换
Tri-color switching can be achieved with the circuit board
- 产品可搭配金属按钮开关，提升面板整体“颜值”
Matching metal button switch makes the panel more upscale



性能特征 Performance characteristic

工作环境温度 Operating temperature	-40℃~-+85℃(无冰冻)开关本体周围必须空气流通 -40℃~-+85℃(No freezing), keep the air flowing around	工作环境湿度 Operating humidity	45~85% RH(无结露) 45~85% RH(Non condensing)
初始接触电阻 Initial contact resistance	≤50mΩ	绝缘电阻 Insulation resistance	≥100MΩ(500VDC)
工频耐压 Power frequency withstand voltage	1500V(AC 50Hz), 1min	耐振动性 Vibration resistance	30~50~30Hz, 振幅0.15mm 30~50~30Hz, Amplitude 0.15mm
耐焊锡热 Resistant to soldering heat	320℃, 3s	开关额定值 Switch rating	AC-12:250V/15A; AC-15:250V/5A
机械寿命 Mechanical life	50万次以上 ≥500000 cycles	电气寿命 Electrical life	5万次以上 ≥50000 cycles
基座材料 Base material	PA(V0)	尾部配置 Terminal type	接线插片(2.8×0.5mm) Pin terminal(2.8×0.5mm)
螺母扭矩 Torque	约0.6N·m About 0.6N·m	操作力 Operating force	约3N About 3N
拨动角度 Operating angle	24°	面板前端防护等级 Front panel protection degree	IP67

底座说明 Base Description

底座视图 Base view	开关结构 Switch type
C:公共端 C:LED common a:红色灯 a:LED Red d:蓝色灯 d:LED Blue b:绿色灯 b:LED Green	

灯珠规格 LED Specifications

LED 寿命 LED life	电流 Current	电压波动范围 Voltage fluctuation range	电路图 Circuit diagram
≥40000 h	<20mA	±10%	共阴(默认) Common cathode(default) 共阳(定制) Common anode(customized)

激光图案选型表 Laser Pattern Selection Table

两档 two-position	三档 Three-position
1 ON OFF 2 ON ON 3 I O 4 I II	5 ON OFF ON 6 I O II

注: 请在型号中填写对应的数字(其他图案可定制).
Note: Please fill in the corresponding number for the model (other patterns can be customized).

产品图样 Shape

规格参数 Specification

外形尺寸 Dimension



开关组合
Contact structure
1NO1NC

激光图案□
Laser pattern
参考激光图案选型表
Reference laser pattern selection table

操作类型■
Operation mode
2:两档
2:two-position

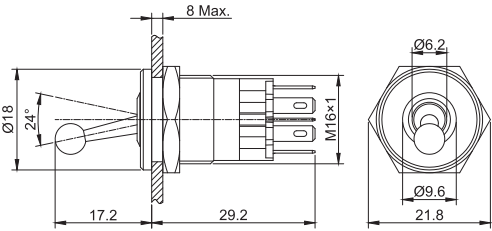
带灯结构★
Lamp structure
41: 三色共阴(默认) 42: 三色共阳(定制)
41: Common cathode 42: Common anode

带灯颜色
Lamp color
RGB

带灯电压▲
Lamp voltage
6V / 12V / 24V(DC)

外壳材料◎
Crust material
S:不锈钢 / A:黄铜镀黑
S:Stainless steel / A:Black plated brass

防护等级
Protection degree
IP67



开关组合
Contact structure
1NO1NC

激光图案□
Laser pattern
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