Series

30

28,

25,

HBS1-BGQ/HBGQ22,

HBAN® Push Button

HBS1-BGQ/HBGQ22,25,28,30 金属按钮系列



can be made to order

约15mA about 15mA

RGOBW RG RB

50000小时(参考值) 50000 hours (reference value)



性能参数	Parameters				
开关额定值	Switch Rating	AC:5A/250V	表面防爆等级 Explosion proof grade		IK08(针对金属材质)
环境温度	Operating Temperature	-40°C~+80°C	防护等级	Degree of Protection	IP 67
接触电阻	Contact Resistance	≤50MΩ	操作压力	Operating Pressure	3~5N
绝缘电阻	Insulation Resistance	≥1000MΩ	操作行程	Operating Stroke	3mm
介电强度	Dielectric Strength	AC1890V, 5s	螺母扭矩	ScrewTorque	5~14N
机械寿命	Mechanical Life	≥1000,000次	材质 Material	外壳 Shell material	黄铜镀镍/不锈钢 Nickel-plated Brass/Stainless Steel
电气寿命	Electrical Life	≥50,000次			
开关结构	Contact Type	双断点快动触头		按键 Press key material	不锈钢 Stainless steel
717(3413	Contact Type	Double-break fast-motion changeover contact		基座 Base material	塑料底座 Plastic base
开关组合	Contact Configuration	1NO 1NC / 2NO 2NC / 3NO 3NC		触点 Contact material	银合金 Silver alloy

额定电流 Rated Current

命 Life

发光颜色 Color

LED灯珠规格 LED Lamp Specifications

灯珠类型 Lamp Type Bi-directional LED lamp (AC DC Universal)

额定电压 Rated Voltage 1.8V、2.8V、6V、12V、24V、36V、110V、220V

注:如需单向直流LED灯珠可定做;其他电压规格可按要求定做。

Note: Unidirectional DC LED lamp can be customized if needed; other voltage specifications could be special made

₩ T 55	早色友光 Monochrome light	双色友光 Double color light		
z 珠 等 效 电 路	a	- ° — - '.'.		
	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。	+		
	AC-DC Universal LED lamp, terminal differentiate between positive and negative; lamp beads built-in protection resistors, no external.	高亮LED发光、基本发光颜色5种: (红绿黄蓝白)基它可见双色发光基本型是共负极和切换正负极。		

= 4

开关结构说明 Switch Structure Explanation 符号 Symbol 型式Type 示意图 Diagram 说明 Explanation **Z** 2 1 📆 具有四个端子的双断点快动转换触头开关 Za Double break snap-action changeover contacts switch with four terminals.

引脚说明 Pin Descript	ion			
HBS1-BGQ	HBGQ22	HBGQ25, 28, 30	说明 Explanation	
大球脚 大球脚	☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆	(打珠脚) 大珠脚	1,2,3,4为一组开关; 1,2为常闭触头; 3,4为常开触头; 常规灯珠配置无正负极区分, 灯珠已内保护电阻无需外接; 灯珠可与开关相对独立,可 通过开关或外围电路控制灯 珠状态。	Fin 1,2,3,4 are a set of switch; NG pin1, pin2 is normally closed contact; NG pin3, pin4 is normally open contract; Normal lamp configuration has no differential between positive and negative, LED has buili-in protection resistors, no need external connection; LED and switch pin are separated, but switch and external circuit can control the LED state by connecting the LED pin.

HBS1-BGQ/HBGQ22.25.28.30 Series Metal Pushbutton







部分产品焊接注意事项 Welding Precautions

任何不正确的焊接操作都可能导致产品塑料变形、开关接触不良等。用户 在使用引脚式按钮开关、信号灯时,因焊接不当导致产品损坏的现象时有 发生,故敬请各位用户在接线操作时务必注意以下几点。

- 选择合适的电烙铁,加快焊接速度,建议使用30W以下电烙铁在320°C 时2秒内完成焊接。
- 助焊剂必须适量,焊接时尽量将开关引脚朝下。
- 尽量采用插线端子连接,避免焊接连接。

Any improper welding operation may lead to product plastic deformation, poor switch contact. Users using pin-type button switches, lights, due to improper welding damage to the product Phenomenon occurs from time to time, so please be sure to pay attention to the following points in the wiring operation:

- . Choose the right electric iron, speed up the welding speed, it is recommended to use the following 30W electric iron at 320 ° C When 2 seconds to finish welding.
- Flux must be moderate, try to switch the pin down when welding.
- . Try to use plug-in terminals to avoid welding connections.

防护与安装说明 Protection and installation instructions

金属按钮开关外壳采用金属材料,与塑料开关相比,不紧增强了其美观性 外观颜色可多样化,并且大幅度提升了头部(安装面板以上)其防尘防水性能。 防爆性能及防腐蚀性等特点。防水等级IP65、防爆能力IK08。

Pushbutton use metal housing, not only the appearance would be more beautiful and multi-colorful compared with plastic indicator, but also enhance the dustproof and waterproof, explosion resistance and corrosion resistance performance of the head (above the panel mount), etc. IP65 waterproof, Explosion-proof IK08.

内部IP防尘、防水结构



外部O型密封關安裝方法



The surface of the key metal button switch, can be laser engraving patterns or luminous words and patterns, can be customized according to customer requirements. with

标识定做 Identification custom

金属按钮开关的按键表面可以激光刻字、图案或发光文字与图案,可根据 客户要求定制。具有新颖与美观性,并替代指示标牌的作用。

配套接插件型号说明 The mating connector model description 配套接插件具有快速安装、快速拆卸、方便操作、导电性能优越、保护

按钮开关插脚、美观等诸多特点,是按钮开关配套必不可缺的组件。















characteristics, is the button switch kit essential components.

novel and beautiful appearance, and replace the role of signs.







注:配套连接器与按钮为分开采购,且连接器不单独零售。 Note: the matching connector and button are purchased separately, and the connector does not retail separately.

The mating connector with fast installation, remove the fast, convenient operation, reliable connection a superior conducivity button switch pins beautiful etc many

安装效果预览 Installation Effect Preview

连接效里图

