



# DAU

## HBGQ SERIES METAL BUTTON

Mounting hole size:  $\varnothing 12$ ,  $\varnothing 16$ ,  $\varnothing 19$ ,  $\varnothing 22$ ,  $\varnothing 25$ mm;  
 Metal body could be Stainless Steel ,Brass ,Aluminum alloy material, etc.;  
 Surface could be electro-plated with bright nickel solution,  
 anodic aluminum oxide(Red, Green, Blue, Black, White color, etc);  
 Double-break slow-motion contact with two terminals;  
 Connection method: Solder Pin terminal and Screw terminal;  
 Head (above the panel mount ) could be IP65, IP67 waterproof, IK08-10 explosion-proof.





型号说明 Model Explanation



性能参数 Parameters

开关额定值 Switch Rating	DC: 2A/36V; AC: 5A/250V	表面防爆等级 Explosion proof grade	IK08-IK10(针对金属材料)
环境温度 Operating Temperature	-40°C ~ +80°C	防护等级 Degree of Protection	IP65
接触电阻 Contact Resistance	$\leq$ 50M $\Omega$	操作压力 Operating Pressure	3-5N
绝缘电阻 Insulation Resistance	$\geq$ 1000M $\Omega$	操作行程 Operating Stroke	2.5mm
介电强度 Dielectric Strength	AC1780V	螺母扭矩 Screw Torque	5-14N
机械寿命 Mechanical Life	$\geq$ 1000,000次	外壳 Shell material	黄铜镀镍/不锈钢
电气寿命 Electrical Life	$\geq$ 50,000次	材质 Material	按钮 Press key material: 不锈钢 Stainless steel 底座 Base material: 塑料底座 Plastic base 触点 Contact material: 银合金 Silver alloy
开关结构 Contact Type	双断点慢动触点 Two terminal breakpoints slow moving contact		
开关组合 Contact Configuration	1NO, 1NC		

LED灯珠规格 LED Lamp Specifications

灯珠类型 Lamp Type	双向LED灯珠(交直流通用) Bi-directional LED lamp (AC/DC Universal)	额定电流 Rated Current	约20mA about 20mA
额定电压 Rated Voltage	1.8V、2.8V、6V、12V、24V、36V、110V、220V	发光颜色 Color	R G B W B G R B
		寿命 Life	50000小时(参考值) 50000 hours (reference value)

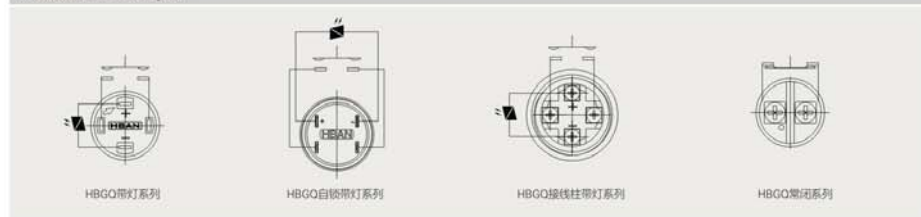
注: 如需单向直流LED灯珠可定做; 其他电压规格可按要求定做。  
Note: Unidirectional DC LED lamp can be customized if needed; other voltage specifications could be special made



开关结构说明 Switch Structure Explanation

型式 Type	符号 Symbol	示意图 Diagram	说明 Explanation
X			具有两个端子的双断点慢动触点开关, 可定制Y型常闭开关, 详见产品说明。
Y			Switch with two terminal breakpoints slow moving contact. Individual products can be customized Y-type normally closed switch, refer to product description.

引脚说明 Pin Description



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:

- 选择合适功率的电烙铁, 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 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

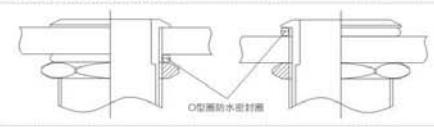
金属按钮开关外壳采用金属材料, 与塑料开关相比, 不紧增强了其美观性, 外观颜色可多样化, 并且大幅度提升了头部安装面板以上其防尘防水性能、防爆性能及防腐蚀性等特点。防水等级IP65, 防爆能力IK08-IK10。

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-IK10.

内部IP防尘、防水结构



外部O型密封圈安装方法



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, 并替代指示牌的作用。

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

激光刻字效果图



激光刻穿孔效果图



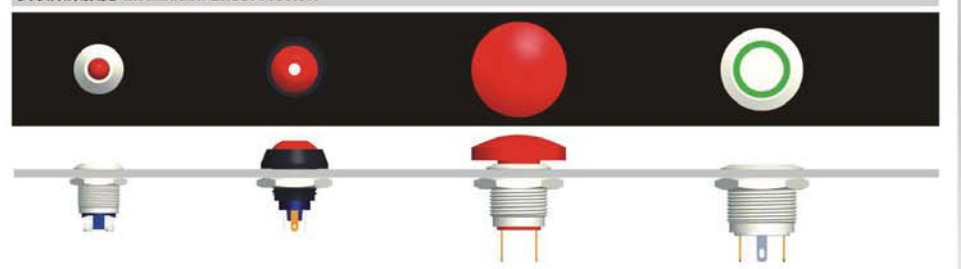
符号定制举例



定制尾部接线方式 Terminal can be customized



安装效果预览 Installation Effect Preview





**HBGQ12F-10/J/□**

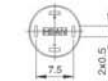
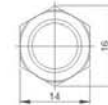
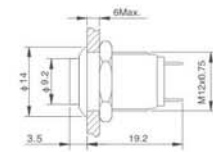
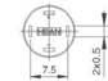
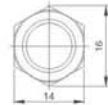
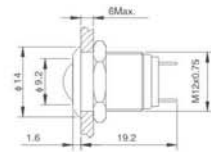
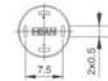
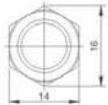
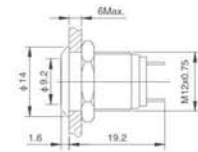
- 安装孔尺寸: Ø12mm
- 头部形状: 平圆形
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线插片
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK08
- **Mounting Hole Size: Ø12mm**
- **Shape: Flat Round**
- **Switch Rating: 2A/36VDC, 5A/250VAC**
- **Contact Configuration: 1NO**
- **Operation Type: Momentary**
- **Terminal Type: Pin Terminal**
- **The Crust Material: Nickel-plated Brass/ Stainless Steel**
- **Protection Degree: IP65, IK08**

**HBGQ12B-10/J/□**

- 安装孔尺寸: Ø12mm
- 头部形状: 球形帽
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线插片
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK08
- **Mounting Hole Size: Ø12mm**
- **Shape: Domed**
- **Switch Rating: 2A/36VDC, 5A/250VAC**
- **Contact Configuration: 1NO**
- **Operation Type: Momentary**
- **Terminal Type: Pin Terminal**
- **The Crust Material: Nickel-plated Brass/ Stainless Steel**
- **Protection Degree: IP65, IK08**

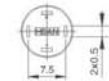
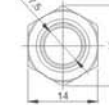
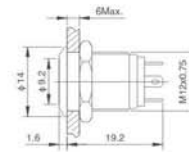
**HBGQ12H-10/J/□**

- 安装孔尺寸: Ø12mm
- 头部形状: 高平圆形
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线插片
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK08
- **Mounting Hole Size: Ø12mm**
- **Shape: High Round**
- **Switch Rating: 2A/36VDC, 5A/250VAC**
- **Contact Configuration: 1NO**
- **Operation Type: Momentary**
- **Terminal Type: Pin Terminal**
- **The Crust Material: Nickel-plated Brass/ Stainless Steel**
- **Protection Degree: IP65, IK08**



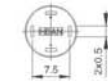
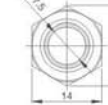
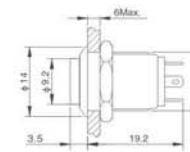
**HBGQ12F-10E/J/□/▲/□**

- 安装孔尺寸: Ø12mm
- 头部形状: 平圆形带灯
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线插片
- 灯珠颜色: 红/绿/黄/蓝/白(双色可选)
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK08
- **Mounting Hole Size: Ø12mm**
- **Shape: Flat Round Ring Illuminated**
- **Switch Rating: 2A/36VDC, 5A/250VAC**
- **Contact Configuration: 1NO**
- **Operation Type: Momentary**
- **Terminal Type: Pin Terminal**
- **Lamp Color: Red/Green/Yellow/Orange Blue/White(Could be bi-color LED)**
- **The Crust Material: Nickel-plated Brass/ Stainless Steel**
- **Protection Degree: IP65, IK08**



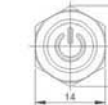
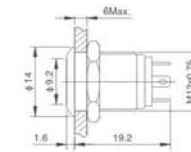
**HBGQ12H-10E/J/□/▲/□**

- 安装孔尺寸: Ø12mm
- 头部形状: 高平圆形带灯
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线插片
- 灯珠颜色: 红/绿/黄/蓝/白(双色可选)
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK08
- **Mounting Hole Size: Ø12mm**
- **Shape: High Round Ring Illuminated**
- **Switch Rating: 2A/36VDC, 5A/250VAC**
- **Contact Configuration: 1NO**
- **Operation Type: Momentary**
- **Terminal Type: Pin Terminal**
- **Lamp Color: Red/Green/Yellow/Orange Blue/White(Could be bi-color LED)**
- **The Crust Material: Nickel-plated Brass/ Stainless Steel**
- **Protection Degree: IP65, IK08**



**HBGQ12F-10DT/J/□/▲/□**

- 安装孔尺寸: Ø12mm
- 头部形状: 平圆形带电源符号
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线插片
- 灯珠颜色: 红/绿/黄/蓝/白(双色可选)
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK08
- **Mounting Hole Size: Ø12mm**
- **Shape: Flat Round Illuminated Power Symbol**
- **Switch Rating: 2A/36VDC, 5A/250VAC**
- **Contact Configuration: 1NO**
- **Operation Type: Momentary**
- **Terminal Type: Pin Terminal**
- **Lamp Color: Red/Green/Yellow/Orange Blue/White(Could be bi-color LED)**
- **The Crust Material: Nickel-plated Brass/ Stainless Steel**
- **Protection Degree: IP65, IK08**







**HBGQ12F-10Z/J/□**

- 安装孔尺寸: Ø12mm
- 头部形状: 平圆形
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自锁式
- 接线类型: 接线插片
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK08

- **Mounting Hole Size: Ø12mm**
- **Shape: Flat Round**
- **Switch Rating: 2A/36VDC, 5A/250VAC**
- **Contact Configuration: 1NO**
- **Operation Type: Latching**
- **Terminal Type: Pin Terminal**
- **The Crust Material: Nickel-plated Brass/ Stainless Steel**
- **Protection Degree: IP65, IK08**

**HBGQ12H-10Z/J/□**

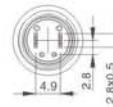
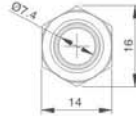
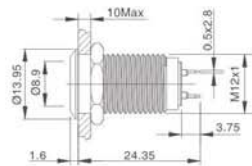
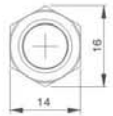
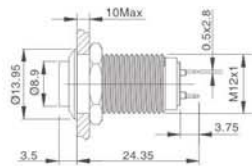
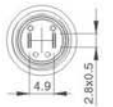
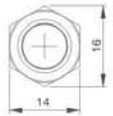
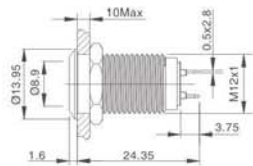
- 安装孔尺寸: Ø12mm
- 头部形状: 高平圆形
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自锁式
- 接线类型: 接线插片
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK08

- **Mounting Hole Size: Ø12mm**
- **Shape: High Round**
- **Switch Rating: 2A/36VDC, 5A/250VAC**
- **Contact Configuration: 1NO**
- **Operation Type: Latching**
- **Terminal Type: Pin Terminal**
- **The Crust Material: Nickel-plated Brass/ Stainless Steel**
- **Protection Degree: IP65, IK08**

**HBGQ12F-10EZ/J/△/▲/□**

- 安装孔尺寸: Ø12mm
- 头部形状: 平圆形带灯
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自锁式
- 接线类型: 接线插片
- 灯珠颜色: 红/绿/黄/蓝/白(双色可选)
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK08

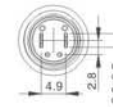
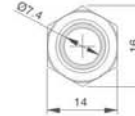
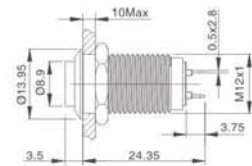
- **Mounting Hole Size: Ø12mm**
- **Shape: Flat Round Ring Illuminated**
- **Switch Rating: 2A/36VDC, 5A/250VAC**
- **Contact Configuration: 1NO**
- **Operation Type: Latching**
- **Terminal Type: Pin Terminal**
- **Lamp Color: Red/Green/Yellow/Orange Blue/White(Could be bi-color LED)**
- **The Crust Material: Nickel-plated Brass/ Stainless Steel**
- **Protection Degree: IP65, IK08**



**HBGQ12H-10EZ/J/△/▲/□**

- 安装孔尺寸: Ø12mm
- 头部形状: 高平圆形带灯
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自锁式
- 接线类型: 接线插片
- 灯珠颜色: 红/绿/黄/蓝/白(双色可选)
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK08

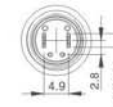
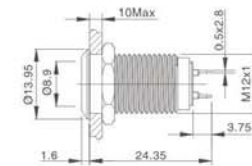
- **Mounting Hole Size: Ø12mm**
- **Shape: High Round Ring Illuminated**
- **Switch Rating: 2A/36VDC, 5A/250VAC**
- **Contact Configuration: 1NO**
- **Operation Type: Latching**
- **Terminal Type: Pin Terminal**
- **Lamp Color: Red/Green/Yellow/Orange Blue/White(Could be bi-color LED)**
- **The Crust Material: Nickel-plated Brass/ Stainless Steel**
- **Protection Degree: IP65, IK08**



**HBGQ12F-10DTZ/J/△/▲/□**

- 安装孔尺寸: Ø12mm
- 头部形状: 平圆形带电源符号
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自锁式
- 接线类型: 接线插片
- 灯珠颜色: 红/绿/黄/蓝/白(双色可选)
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK08

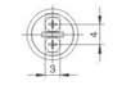
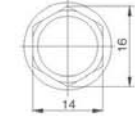
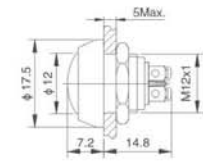
- **Mounting Hole Size: Ø12mm**
- **Shape: Flat Round Illuminated Power Symbol**
- **Switch Rating: 2A/36VDC, 5A/250VAC**
- **Contact Configuration: 1NO**
- **Operation Type: Latching**
- **Terminal Type: Pin Terminal**
- **Lamp Color: Red/Green/Yellow/Orange Blue/White(Could be bi-color LED)**
- **The Crust Material: Nickel-plated Brass/ Stainless Steel**
- **Protection Degree: IP65, IK08**



**HBGQ12B-10/◆/T/★**

- 安装孔尺寸: Ø12mm
- 头部形状: 球形按钮
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自锁式
- 接线类型: 接线插片/接线柱
- 外壳材料: 黄铜镀镍/不锈钢/锌合金(黑色)
- 防护等级: IP65, IK08

- **Mounting Hole Size: Ø12mm**
- **Shape: Domed**
- **Switch Rating: 2A/36VDC, 5A/250VAC**
- **Contact Configuration: 1NO**
- **Operation Type: Momentary**
- **Terminal Type: Pin Terminal/Screw Terminal**
- **The Crust Material: Nickel-plated Brass/ Stainless Steel Zn-Al Alloy(Black)**
- **Protection Degree: IP65, IK08**





**HBGQ12B-10/◆/□**

- 安装孔尺寸:  $\varnothing 12\text{mm}$
- 头部形状: 球形钮
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线插片/插线柱
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK08
- Mounting Hole Size:  $\varnothing 12\text{mm}$
- Shape: Domed
- Switch Rating: 2A/36VDC, 5A/250VAC
- Contact Configuration: 1NO
- Operation Type: Momentary
- Terminal Type: Pin Terminal / Screw Terminal
- The Crust Material: Nickel-plated Brass/ Stainless Steel
- Protection Degree: IP65, IK08

**HBGQ12B-10D/J/▲/△/T/★**

- 安装孔尺寸:  $\varnothing 12\text{mm}$
- 头部形状: 球形单点带灯
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线插片
- 灯珠颜色: 红/绿/黄/蓝/白(双色三色可选)
- 外壳材料: 黄铜镀镍/不锈钢/锌合金(黑色)
- 防护等级: IP65, IK08
- Mounting Hole Size:  $\varnothing 12\text{mm}$
- Shape: Domed Dot Illuminated
- Switch Rating: 2A/36VDC, 5A/250VAC
- Contact Configuration: 1NO
- Operation Type: Momentary
- Terminal Type: Pin Terminal
- Lamp Color: Red/Green/Yellow/Orange Blue/White(Could be bi-color LED)
- The Crust Material: Nickel-plated Brass/ Stainless Steel Zn-al Alloy(Black)
- Protection Degree: IP65, IK08

**HBGQ16B-10/◆/T/★**

- 安装孔尺寸:  $\varnothing 16\text{mm}$
- 头部形状: 球形钮
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线插片/插线柱
- 外壳材料: 黄铜镀镍/不锈钢/锌合金(黑色)
- 防护等级: IP65, IK08
- Mounting Hole Size:  $\varnothing 16\text{mm}$
- Shape: Domed
- Switch Rating: 2A/36VDC, 5A/250VAC
- Contact Configuration: 1NO
- Operation Type: Momentary
- Terminal Type: Pin Terminal / Screw Terminal
- The Crust Material: Nickel-plated Brass/ Stainless Steel Zn-al Alloy(Black)
- Protection Degree: IP65, IK08

**HBGQ16F-10/J/□**

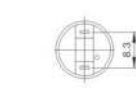
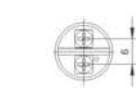
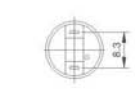
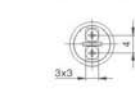
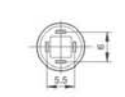
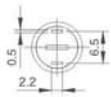
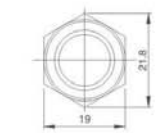
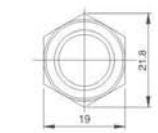
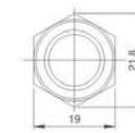
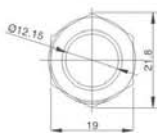
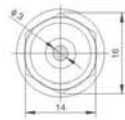
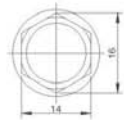
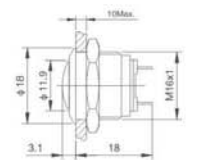
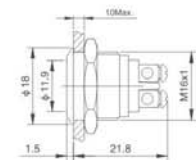
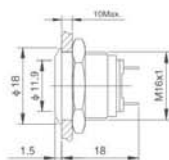
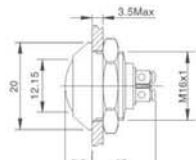
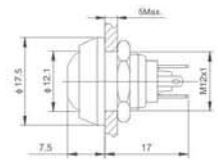
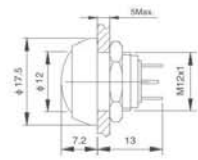
- 安装孔尺寸:  $\varnothing 16\text{mm}$
- 头部形状: 平圆形
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线插片
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK08
- Mounting Hole Size:  $\varnothing 16\text{mm}$
- Shape: Flat Round
- Switch Rating: 2A/36VDC, 5A/250VAC
- Contact Configuration: 1NO
- Operation Type: Momentary
- Terminal Type: Pin Terminal
- The Crust Material: Nickel-plated Brass/ Stainless Steel
- Protection Degree: IP65, IK08

**HBGQ16F-10/L/□**

- 安装孔尺寸:  $\varnothing 16\text{mm}$
- 头部形状: 平圆形
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO(1NC)
- 操作类型: 自复式
- 接线类型: 插线柱
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK08
- Mounting Hole Size:  $\varnothing 16\text{mm}$
- Shape: Flat Round
- Switch Rating: 2A/36VDC, 5A/250VAC
- Contact Configuration: 1NO(1NC)
- Operation Type: Momentary
- Terminal Type: Screw Terminal
- The Crust Material: Nickel-plated Brass/ Stainless Steel
- Protection Degree: IP65, IK08

**HBGQ16B-10/J/□**

- 安装孔尺寸:  $\varnothing 16\text{mm}$
- 头部形状: 球形钮
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线插片
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK08
- Mounting Hole Size:  $\varnothing 16\text{mm}$
- Shape: Domed
- Switch Rating: 2A/36VDC, 5A/250VAC
- Contact Configuration: 1NO
- Operation Type: Momentary
- Terminal Type: Pin Terminal
- The Crust Material: Nickel-plated Brass/ Stainless Steel
- Protection Degree: IP65, IK08





**HBGQ16B-10/L/○**

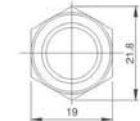
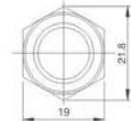
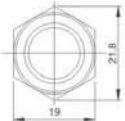
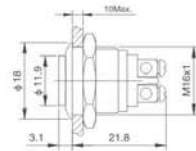
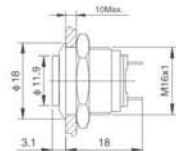
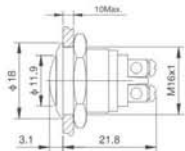
- 安装孔尺寸: Ø16mm
- 头部形状: 球形钮
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO(1NC)
- 操作类型: 自复式
- 接线类型: 接线柱
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK08
- **Mounting Hole Size: Ø16mm**
- **Shape: Domed**
- **Switch Rating: 2A/36VDC, 5A/250VAC**
- **Contact Configuration: 1NO(1NC)**
- **Operation Type: Momentary**
- **Terminal Type: Screw Terminal**
- **The Crust Material: Nickel-plated Brass/ Stainless Steel**
- **Protection Degree: IP65, IK08**

**HBGQ16H-10/J/○**

- 安装孔尺寸: Ø16mm
- 头部形状: 高平面型
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线插片
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK08
- **Mounting Hole Size: Ø16mm**
- **Shape: High Round**
- **Switch Rating: 2A/36VDC, 5A/250VAC**
- **Contact Configuration: 1NO**
- **Operation Type: Momentary**
- **Terminal Type: Pin Terminal**
- **The Crust Material: Nickel-plated Brass/ Stainless Steel**
- **Protection Degree: IP65, IK08**

**HBGQ16H-10/L/○**

- 安装孔尺寸: Ø16mm
- 头部形状: 高平面型
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO(1NC)
- 操作类型: 自复式
- 接线类型: 接线柱
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK08
- **Mounting Hole Size: Ø16mm**
- **Shape: High Round**
- **Switch Rating: 2A/36VDC, 5A/250VAC**
- **Contact Configuration: 1NO(1NC)**
- **Operation Type: Momentary**
- **Terminal Type: Screw Terminal**
- **The Crust Material: Nickel-plated Brass/ Stainless Steel**
- **Protection Degree: IP65, IK08**



**HBGQ16M-10/◆/★**

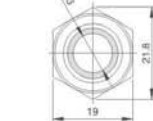
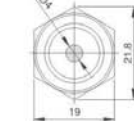
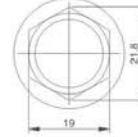
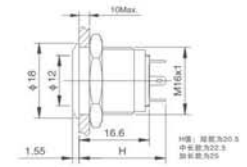
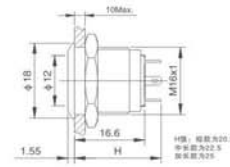
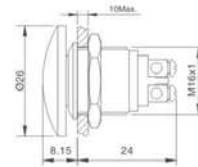
- 安装孔尺寸: Ø16mm
- 头部形状: 蘑菇钮
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线插片/接线柱
- 头部颜色: 红/绿
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK10
- **Mounting Hole Size: Ø16mm**
- **Shape: Mushroom Pushbutton Switch**
- **Switch Rating: 2A/36VDC, 5A/250VAC**
- **Contact Configuration: 1NO**
- **Operation Type: Momentary**
- **Terminal Type: Pin Terminal / Screw Terminal**
- **Top Color: Red/Green**
- **The Crust Material: Nickel-plated Brass/ Stainless Steel**
- **Protection Degree: IP65, IK10**

**HBGQ16F-10D/JI/▲/△/○**

- 安装孔尺寸: Ø16mm
- 头部形状: 平圆形单点带灯
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线插片
- 灯珠颜色: 红/绿/黄/蓝/白(双色可选)
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK10
- **Mounting Hole Size: Ø16mm**
- **Shape: Flat Round Dot Illuminated**
- **Switch Rating: 2A/36VDC, 5A/250VAC**
- **Contact Configuration: 1NO**
- **Operation Type: Momentary**
- **Terminal Type: Pin Terminal**
- **Lamp Color: Red/Green/Yellow/Orange Blue/White(Could be bi-color LED)**
- **The Crust Material: Nickel-plated Brass/ Stainless Steel**
- **Protection Degree: IP65, IK10**

**HBGQ16F-10E/JI/▲/△/○**

- 安装孔尺寸: Ø16mm
- 头部形状: 平圆形环带灯
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线插片
- 灯珠颜色: 红/绿/黄/蓝/白(双色可选)
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK10
- **Mounting Hole Size: Ø16mm**
- **Shape: Flat Round Ring Illuminated**
- **Switch Rating: 2A/36VDC, 5A/250VAC**
- **Contact Configuration: 1NO**
- **Operation Type: Momentary**
- **Terminal Type: Pin Terminal**
- **Lamp Color: Red/Green/Yellow/Orange Blue/White(Could be bi-color LED)**
- **The Crust Material: Nickel-plated Brass/ Stainless Steel**
- **Protection Degree: IP65, IK10**







**HBGQ16H-10E/J/▲/▲/◎**

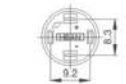
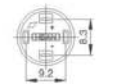
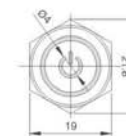
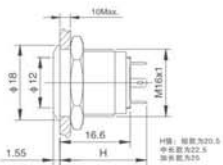
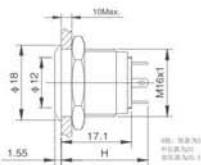
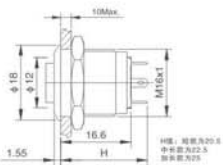
- 安装孔尺寸: Ø16mm
- 头部形状: 高平圆环型带灯
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线插片
- 灯珠颜色: 红/绿/黄/橙/蓝/白(双色可选)
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK10
- Mounting Hole Size: Ø16mm
- Shape: High Round Ring Illuminated
- Switch Rating: 2A/36VDC, 5A/250VAC
- Contact Configuration: 1NO
- Operation Type: Momentary
- Terminal Type: Pin Terminal
- Lamp Color: Red/Green/Yellow/Orange Blue/White(Could be bi-color LED)
- The Crust Material: Nickel-plated Brass/ Stainless Steel
- Protection Degree: IP65, IK10

**HBGQ16F-10DT/J/▲/▲/◎**

- 安装孔尺寸: Ø16mm
- 头部形状: 平圆环型带电源符号
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线插片
- 灯珠颜色: 红/绿/黄/橙/蓝/白(双色可选)
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK10
- Mounting Hole Size: Ø16mm
- Shape: Flat Round Illuminated Power Symbol
- Switch Rating: 2A/36VDC, 5A/250VAC
- Contact Configuration: 1NO
- Operation Type: Momentary
- Terminal Type: Pin Terminal
- Lamp Color: Red/Green/Yellow/Orange Blue/White(Could be bi-color LED)
- The Crust Material: Nickel-plated Brass/ Stainless Steel
- Protection Degree: IP65, IK10

**HBGQ16F-10ET/J/▲/▲/◎**

- 安装孔尺寸: Ø16mm
- 头部形状: 平圆环型带电源符号
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线插片
- 灯珠颜色: 红/绿/黄/橙/蓝/白(双色可选)
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK10
- Mounting Hole Size: Ø16mm
- Shape: Flat Round Ring Illuminated Power Symbol
- Switch Rating: 2A/36VDC, 5A/250VAC
- Contact Configuration: 1NO
- Operation Type: Momentary
- Terminal Type: Pin Terminal
- Lamp Color: Red/Green/Yellow/Orange Blue/White(Could be bi-color LED)
- The Crust Material: Nickel-plated Brass/ Stainless Steel
- Protection Degree: IP65, IK10



**HBGQ16M-10/J/★**

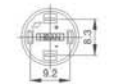
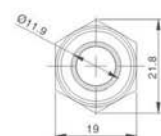
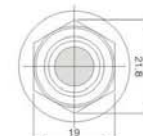
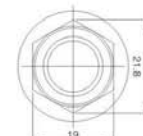
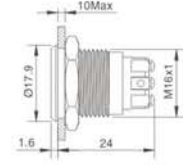
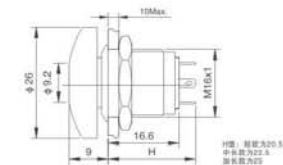
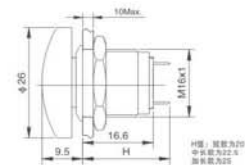
- 安装孔尺寸: Ø16mm
- 头部形状: 蘑菇型
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线插片
- 灯珠颜色: 红/绿
- 外壳材料: 锌合金
- 防护等级: IP65, IK10
- Mounting Hole Size: Ø16mm
- Shape: Mushroom Pushbutton Switch
- Switch Rating: 2A/36VDC, 5A/250VAC
- Contact Configuration: 1NO
- Operation Type: Momentary
- Terminal Type: Pin Terminal
- Top Color: Red/Green
- The Crust Material: Zn-al Alloy
- Protection Degree: IP65, IK10

**HBGQ16M-10D/◆/▲/▲/IT/★**

- 安装孔尺寸: Ø16mm
- 头部形状: 单点带灯蘑菇型
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线插片/接线柱
- 灯珠颜色: 红/绿
- 外壳材料: 锌合金
- 防护等级: IP65, IK10
- Mounting Hole Size: Ø16mm
- Shape: Dot-Illumination Mushroom Pushbutton Switch
- Switch Rating: 2A/36VDC, 5A/250VAC
- Contact Configuration: 1NO
- Operation Type: Momentary
- Terminal Type: Pin Terminal / Screw Terminal
- Top Color: Red/Green
- Lamp Color: Red/Green/Yellow/Orange Blue/White(Could be bi-color LED)
- The Crust Material: Zn-al Alloy
- Protection Degree: IP65, IK10

**HBGQ16F-10E/L/▲/▲/◎**

- 安装孔尺寸: Ø16mm
- 头部形状: 平圆环型带灯
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线柱
- 灯珠颜色: 红/绿/黄/橙/蓝/白(双色可选)
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK10
- Mounting Hole Size: Ø16mm
- Shape: Flat Round Ring Illuminated
- Switch Rating: 2A/36VDC, 5A/250VAC
- Contact Configuration: 1NO
- Operation Type: Momentary
- Terminal Type: Screw Terminal
- Lamp Color: Red/Green/Yellow/Orange Blue/White(Could be bi-color LED)
- The Crust Material: Nickel-plated Brass/ Stainless Steel
- Protection Degree: IP65, IK10





**HBGQ16H-10E/L/△/▲/◎**

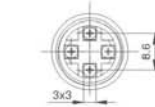
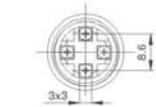
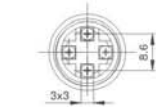
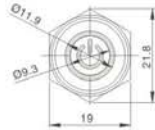
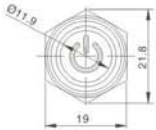
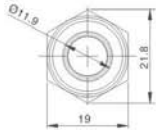
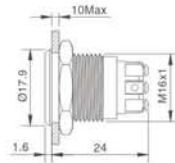
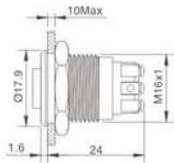
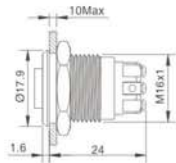
- 安装孔尺寸: Ø16mm
- 头部形状: 高平圆环形带灯
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线柱
- 灯珠颜色: 红/绿/黄/橙/蓝/白(双色可选)
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK10
- **Mounting Hole Size: Ø16mm**
- **Shape: High Round Ring Illuminated**
- **Switch Rating: 2A/36VDC, 5A/250VAC**
- **Contact Configuration: 1NO**
- **Operation Type: Momentary**
- **Terminal Type: Screw Terminal**
- **Lamp Color: Red/Green/Yellow/Orange Blue/White(Could be bi-color LED)**
- **The Crust Material: Nickel-plated Brass/ Stainless Steel**
- **Protection Degree: IP65, IK10**

**HBGQ16F-10DT/L/△/▲/◎**

- 安装孔尺寸: Ø16mm
- 头部形状: 平圆环带电源符号
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线柱
- 灯珠颜色: 红/绿/黄/橙/蓝/白(双色可选)
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK10
- **Mounting Hole Size: Ø16mm**
- **Shape: Flat Round Illuminated Power Symbol**
- **Switch Rating: 2A/36VDC, 5A/250VAC**
- **Contact Configuration: 1NO**
- **Operation Type: Momentary**
- **Terminal Type: Screw Terminal**
- **Lamp Color: Red/Green/Yellow/Orange Blue/White(Could be bi-color LED)**
- **The Crust Material: Nickel-plated Brass/ Stainless Steel**
- **Protection Degree: IP65, IK10**

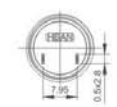
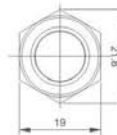
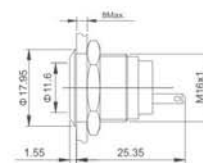
**HBGQ16F-10ET/L/△/▲/◎**

- 安装孔尺寸: Ø16mm
- 头部形状: 平圆环带电源符号
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线柱
- 灯珠颜色: 红/绿/黄/橙/蓝/白(双色可选)
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK10
- **Mounting Hole Size: Ø16mm**
- **Shape: Flat Round Ring Illuminated Power Symbol**
- **Switch Rating: 2A/36VDC, 5A/250VAC**
- **Contact Configuration: 1NO**
- **Operation Type: Momentary**
- **Terminal Type: Screw Terminal**
- **Lamp Color: Red/Green/Yellow/Orange Blue/White(Could be bi-color LED)**
- **The Crust Material: Nickel-plated Brass/ Stainless Steel**
- **Protection Degree: IP65, IK10**



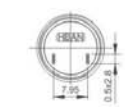
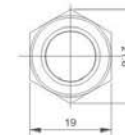
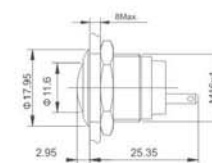
**HBGQ16F-10Z/J/◎**

- 安装孔尺寸: Ø16mm
- 头部形状: 平圆型
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自锁式
- 接线类型: 接线插片
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK08
- **Mounting Hole Size: Ø16mm**
- **Shape: Flat Round**
- **Switch Rating: 2A/36VDC, 5A/250VAC**
- **Contact Configuration: 1NO**
- **Operation Type: Latching**
- **Terminal Type: Pin Terminal**
- **The Crust Material: Nickel-plated Brass/ Stainless Steel**
- **Protection Degree: IP65, IK08**



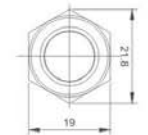
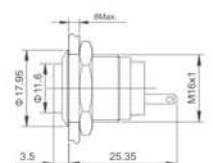
**HBGQ16B-10Z/J/◎**

- 安装孔尺寸: Ø16mm
- 头部形状: 球型圆
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自锁式
- 接线类型: 接线插片
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK08
- **Mounting Hole Size: Ø16mm**
- **Shape: Flat Round**
- **Switch Rating: 2A/36VDC, 5A/250VAC**
- **Contact Configuration: 1NO**
- **Operation Type: Latching**
- **Terminal Type: Pin Terminal**
- **The Crust Material: Nickel-plated Brass/ Stainless Steel**
- **Protection Degree: IP65, IK08**



**HBGQ16H-10Z/J/◎**

- 安装孔尺寸: Ø16mm
- 头部形状: 高平圆型
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自锁式
- 接线类型: 接线插片
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK08
- **Mounting Hole Size: Ø16mm**
- **Shape: High Round**
- **Switch Rating: 2A/36VDC, 5A/250VAC**
- **Contact Configuration: 1NO**
- **Operation Type: Latching**
- **Terminal Type: Pin Terminal**
- **The Crust Material: Nickel-plated Brass/ Stainless Steel**
- **Protection Degree: IP65, IK08**







**HBGQ16F-10DZ/JI/▲/△/○**

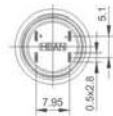
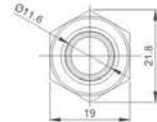
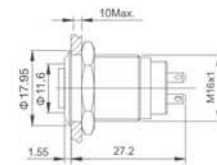
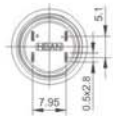
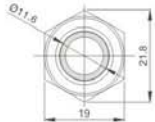
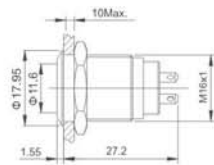
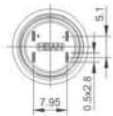
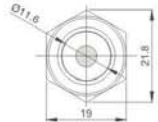
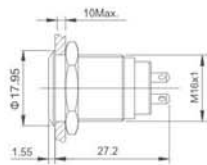
- 安装孔尺寸: Ø16mm
  - 头部形状: 平面圆点带灯
  - 开关额定值: 2A/36VDC, 5A/250VAC
  - 开关组合: 1NO
  - 操作类型: 自锁式
  - 接线类型: 接线插片
  - 灯珠颜色: 红/绿/黄/橙/蓝/白(双色可选)
  - 外壳材料: 黄铜镀镍/不锈钢
  - 防护等级: IP65, IK08
- Mounting Hole Size: Ø16mm
  - Shape: Flat Round Dot Illuminated
  - Switch Rating: 2A/36VDC, 5A/250VAC
  - Contact Configuration: 1NO
  - Operation Type: Latching
  - Terminal Type: Pin Terminal
  - Lamp Color: Red/Green/Yellow/Orange/Blue/White(Could be bi-color LED)
  - The Crust Material: Nickel-plated Brass/ Stainless Steel
  - Protection Degree: IP65, IK08

**HBGQ16F-10EZ/JI/▲/△/○**

- 安装孔尺寸: Ø16mm
  - 头部形状: 平面圆环带灯
  - 开关额定值: 2A/36VDC, 5A/250VAC
  - 开关组合: 1NO
  - 操作类型: 自锁式
  - 接线类型: 接线插片
  - 灯珠颜色: 红/绿/黄/橙/蓝/白(双色可选)
  - 外壳材料: 黄铜镀镍/不锈钢
  - 防护等级: IP65, IK08
- Mounting Hole Size: Ø16mm
  - Shape: Flat Round Ring Illuminated
  - Switch Rating: 2A/36VDC, 5A/250VAC
  - Contact Configuration: 1NO
  - Operation Type: Latching
  - Terminal Type: Pin Terminal
  - Lamp Color: Red/Green/Yellow/Orange/Blue/White(Could be bi-color LED)
  - The Crust Material: Nickel-plated Brass/ Stainless Steel
  - Protection Degree: IP65, IK08

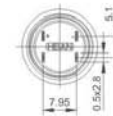
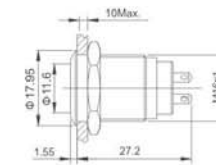
**HBGQ16H-10EZ/JI/▲/△/○**

- 安装孔尺寸: Ø16mm
  - 头部形状: 高平圆环带灯
  - 开关额定值: 2A/36VDC, 5A/250VAC
  - 开关组合: 1NO
  - 操作类型: 自锁式
  - 接线类型: 接线插片
  - 灯珠颜色: 红/绿/黄/橙/蓝/白(双色可选)
  - 外壳材料: 黄铜镀镍/不锈钢
  - 防护等级: IP65, IK08
- Mounting Hole Size: Ø16mm
  - Shape: High Round Ring Illuminated
  - Switch Rating: 2A/36VDC, 5A/250VAC
  - Contact Configuration: 1NO
  - Operation Type: Latching
  - Terminal Type: Pin Terminal
  - Lamp Color: Red/Green/Yellow/Orange/Blue/White(Could be bi-color LED)
  - The Crust Material: Nickel-plated Brass/ Stainless Steel
  - Protection Degree: IP65, IK08



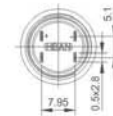
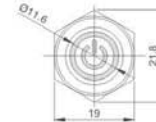
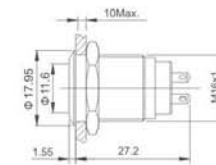
**HBGQ16F-10DTZ/JI/▲/△/○**

- 安装孔尺寸: Ø16mm
  - 头部形状: 平面圆带电源符号
  - 开关额定值: 2A/36VDC, 5A/250VAC
  - 开关组合: 1NO
  - 操作类型: 自锁式
  - 接线类型: 接线插片
  - 灯珠颜色: 红/绿/黄/橙/蓝/白(双色可选)
  - 外壳材料: 黄铜镀镍/不锈钢
  - 防护等级: IP65, IK08
- Mounting Hole Size: Ø16mm
  - Shape: Flat Round Illuminated Power Symbol
  - Switch Rating: 2A/36VDC, 5A/250VAC
  - Contact Configuration: 1NO
  - Operation Type: Latching
  - Terminal Type: Pin Terminal
  - Lamp Color: Red/Green/Yellow/Orange/Blue/White(Could be bi-color LED)
  - The Crust Material: Nickel-plated Brass/ Stainless Steel
  - Protection Degree: IP65, IK08



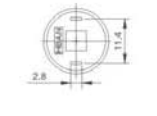
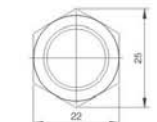
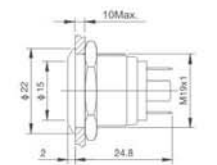
**HBGQ16F-10ETZ/JI/▲/△/○**

- 安装孔尺寸: Ø16mm
  - 头部形状: 平面圆环带电源符号
  - 开关额定值: 2A/36VDC, 5A/250VAC
  - 开关组合: 1NO
  - 操作类型: 自锁式
  - 接线类型: 接线插片
  - 灯珠颜色: 红/绿/黄/橙/蓝/白(双色可选)
  - 外壳材料: 黄铜镀镍/不锈钢
  - 防护等级: IP65, IK08
- Mounting Hole Size: Ø16mm
  - Shape: Flat Round Ring Illuminated Power Symbol
  - Switch Rating: 2A/36VDC, 5A/250VAC
  - Contact Configuration: 1NO
  - Operation Type: Latching
  - Terminal Type: Pin Terminal
  - Lamp Color: Red/Green/Yellow/Orange/Blue/White(Could be bi-color LED)
  - The Crust Material: Nickel-plated Brass/ Stainless Steel
  - Protection Degree: IP65, IK08



**HBGQ19F-10/J/○**

- 安装孔尺寸: Ø19mm
  - 头部形状: 平面圆
  - 开关额定值: 2A/36VDC, 5A/250VAC
  - 开关组合: 1NO
  - 操作类型: 自复式
  - 接线类型: 接线插片
  - 外壳材料: 黄铜镀镍/不锈钢
  - 防护等级: IP65, IK08
- Mounting Hole Size: Ø19mm
  - Shape: Flat Round
  - Switch Rating: 2A/36VDC, 5A/250VAC
  - Contact Configuration: 1NO
  - Operation Type: Momentary
  - Terminal Type: Pin Terminal
  - The Crust Material: Nickel-plated Brass/ Stainless Steel
  - Protection Degree: IP65, IK08



# HBGQ



## HBGQ19F-10/L/Ø

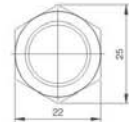
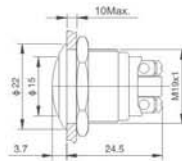
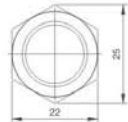
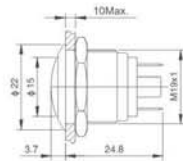
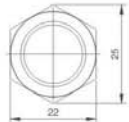
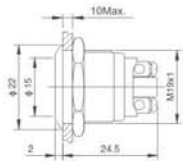
- 安装孔尺寸: Ø19mm
- 头部形状: 平圆形
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO(1NC)
- 操作类型: 自复式
- 接线类型: 接线柱
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK08
- Mounting Hole Size: Ø19mm
- Shape: Flat Round
- Switch Rating: 2A/36VDC, 5A/250VAC
- Contact Configuration: 1NO(1NC)
- Operation Type: Momentary
- Terminal Type: Screw Terminal
- The Crust Material: Nickel-plated Brass/ Stainless Steel
- Protection Degree: IP65, IK08

## HBGQ19B-10/J/Ø

- 安装孔尺寸: Ø19mm
- 头部形状: 球形帽
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线插片
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK08
- Mounting Hole Size: Ø19mm
- Shape: Domed
- Switch Rating: 2A/36VDC, 5A/250VAC
- Contact Configuration: 1NO
- Operation Type: Momentary
- Terminal Type: Pin Terminal
- The Crust Material: Nickel-plated Brass/ Stainless Steel
- Protection Degree: IP65, IK08

## HBGQ19B-10/L/Ø

- 安装孔尺寸: Ø19mm
- 头部形状: 球形帽
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO(1NC)
- 操作类型: 自复式
- 接线类型: 接线柱
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK08
- Mounting Hole Size: Ø19mm
- Shape: Domed
- Switch Rating: 2A/36VDC, 5A/250VAC
- Contact Configuration: 1NO(1NC)
- Operation Type: Momentary
- Terminal Type: Screw Terminal
- The Crust Material: Nickel-plated Brass/ Stainless Steel
- Protection Degree: IP65, IK08

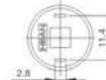
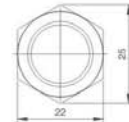
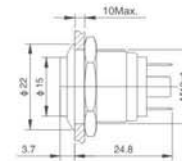


# HBGQ Series Metal Pushbutton Switches



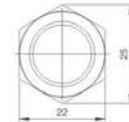
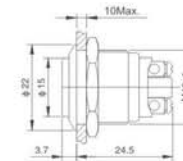
## HBGQ19H-10/J/Ø

- 安装孔尺寸: Ø19mm
- 头部形状: 高平圆形
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线插片
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK08
- Mounting Hole Size: Ø19mm
- Shape: High Round
- Switch Rating: 2A/36VDC, 5A/250VAC
- Contact Configuration: 1NO
- Operation Type: Momentary
- Terminal Type: Pin Terminal
- The Crust Material: Nickel-plated Brass/ Stainless Steel
- Protection Degree: IP65, IK08



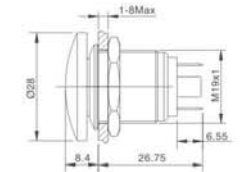
## HBGQ19H-10/L/Ø

- 安装孔尺寸: Ø19mm
- 头部形状: 高平圆形
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO(1NC)
- 操作类型: 自复式
- 接线类型: 接线柱
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK08
- Mounting Hole Size: Ø19mm
- Shape: High Round
- Switch Rating: 2A/36VDC, 5A/250VAC
- Contact Configuration: 1NO(1NC)
- Operation Type: Momentary
- Terminal Type: Screw Terminal
- The Crust Material: Nickel-plated Brass/ Stainless Steel
- Protection Degree: IP65, IK08



## HBGQ19M-10/◆/★

- 安装孔尺寸: Ø19mm
- 头部形状: 蘑菇帽
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线插片/接线柱
- 头部颜色: 红/绿
- 外壳材料: 锌合金
- 防护等级: IP65, IK10
- Mounting Hole Size: Ø19mm
- Shape: Mushroom Pushbutton Switch
- Switch Rating: 2A/36VDC, 5A/250VAC
- Contact Configuration: 1NO
- Operation Type: Momentary
- Terminal Type: Pin Terminal/Screw Terminal
- Top Color: Red/Green
- The Crust Material: Zn-Al Alloy
- Protection Degree: IP65, IK10





**HBGQ19F-10E/JI/▲/▲/○**

- 安装孔尺寸: Ø19mm
- 头部形状: 平圆形环灯带灯
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线插片
- 灯珠颜色: 红/绿/黄/橙/蓝/白(双色可选)
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK10

**HBGQ19H-10E/JI/▲/▲/○**

- 安装孔尺寸: Ø19mm
- 头部形状: 高平圆形环灯带灯
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线插片
- 灯珠颜色: 红/绿/黄/橙/蓝/白(双色可选)
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK10

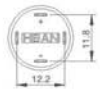
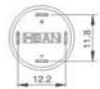
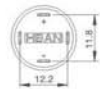
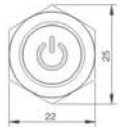
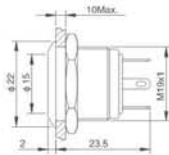
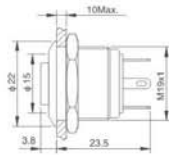
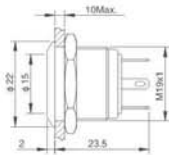
**HBGQ19F-10DT/JI/▲/▲/○**

- 安装孔尺寸: Ø19mm
- 头部形状: 平圆形带电源符号
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线插片
- 灯珠颜色: 红/绿/黄/橙/蓝/白(双色可选)
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK10

- Mounting Hole Size: Ø19mm
- Shape: Flat Round Ring Illuminated
- Switch Rating: 2A/36VDC, 5A/250VAC
- Contact Configuration: 1NO
- Operation Type: Momentary
- Terminal Type: Pin Terminal
- Lamp Color: Red/Green/Yellow/Orange Blue/White(Could be bi-color LED)
- The Crust Material: Nickel-plated Brass/ Stainless Steel
- Protection Degree: IP65, IK10

- Mounting Hole Size: Ø19mm
- Shape: High Round Ring Illuminated
- Switch Rating: 2A/36VDC, 5A/250VAC
- Contact Configuration: 1NO
- Operation Type: Momentary
- Terminal Type: Pin Terminal
- Lamp Color: Red/Green/Yellow/Orange Blue/White(Could be bi-color LED)
- The Crust Material: Nickel-plated Brass/ Stainless Steel
- Protection Degree: IP65, IK10

- Mounting Hole Size: Ø19mm
- Shape: Flat Round Illuminated Power Symbol
- Switch Rating: 2A/36VDC, 5A/250VAC
- Contact Configuration: 1NO
- Operation Type: Momentary
- Terminal Type: Pin Terminal
- Lamp Color: Red/Green/Yellow/Orange Blue/White(Could be bi-color LED)
- The Crust Material: Nickel-plated Brass/ Stainless Steel
- Protection Degree: IP65, IK10



**HBGQ19F-10ET/JI/▲/▲/○**

- 安装孔尺寸: Ø19mm
- 头部形状: 平圆形环灯带电源符号
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线插片
- 灯珠颜色: 红/绿/黄/橙/蓝/白(双色可选)
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK10

**HBGQ19F-10E/LI/▲/▲/○**

- 安装孔尺寸: Ø19mm
- 头部形状: 平圆形环灯带灯
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线柱
- 灯珠颜色: 红/绿/黄/橙/蓝/白(双色可选)
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK10

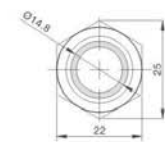
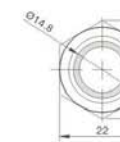
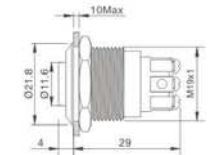
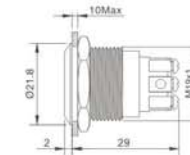
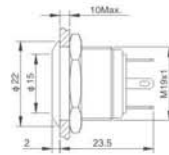
**HBGQ19H-10E/LI/▲/▲/○**

- 安装孔尺寸: Ø19mm
- 头部形状: 高平圆形环灯带灯
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线柱
- 灯珠颜色: 红/绿/黄/橙/蓝/白(双色三色可选)
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK10

- Mounting Hole Size: Ø19mm
- Shape: Flat Round Ring Illuminated Power Symbol
- Switch Rating: 2A/36VDC, 5A/250VAC
- Contact Configuration: 1NO
- Operation Type: Momentary
- Terminal Type: Pin Terminal
- Lamp Color: Red/Green/Yellow/Orange Blue/White(Could be bi-color LED)
- The Crust Material: Nickel-plated Brass/ Stainless Steel
- Protection Degree: IP65, IK10

- Mounting Hole Size: Ø19mm
- Shape: Flat Round Ring Illuminated
- Switch Rating: 2A/36VDC, 5A/250VAC
- Contact Configuration: 1NO
- Operation Type: Momentary
- Terminal Type: Screw Terminal
- Lamp Color: Red/Green/Yellow/Orange Blue/White(Could be bi-color LED)
- The Crust Material: Nickel-plated Brass/ Stainless Steel
- Protection Degree: IP65, IK10

- Mounting Hole Size: Ø19mm
- Shape: High Round Ring Illuminated
- Switch Rating: 2A/36VDC, 5A/250VAC
- Contact Configuration: 1NO
- Operation Type: Momentary
- Terminal Type: Screw Terminal
- Lamp Color: Red/Green/Yellow/Orange Blue/White(Could be bi-color LED)
- The Crust Material: Nickel-plated Brass/ Stainless Steel
- Protection Degree: IP65, IK10





# HBGQ



## HBGQ19F-10DT/L/△/▲/□

- 安装孔尺寸: Ø19mm
- 头部形状: 平圆形带电源符号
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线柱
- 灯珠颜色: 红/绿/黄/橙/蓝/白(双色三色可选)
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK10

- Mounting Hole Size: Ø19mm
- Shape: Flat Round Illuminated Power Symbol
- Switch Rating: 2A/36VDC, 5A/250VAC
- Contact Configuration: 1NO
- Operation Type: Momentary
- Terminal Type: Screw Terminal
- Lamp Color: Red/Green/Yellow/Orange Blue/White(Could be bi-color LED)
- The Crust Material: Nickel-plated Brass/ Stainless Steel
- Protection Degree: IP65, IK10

## HBGQ19F-10ET/L/△/▲/□

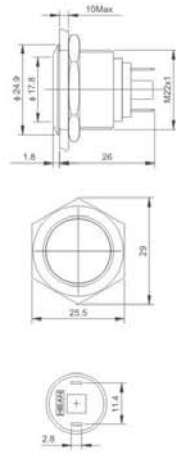
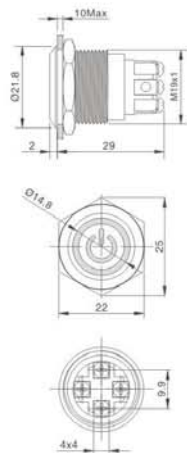
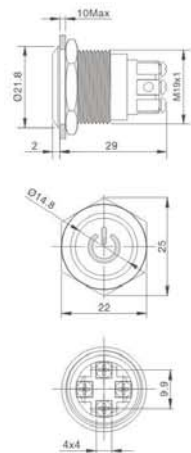
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- 头部形状: 平圆形带电源符号
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线柱
- 灯珠颜色: 红/绿/黄/橙/蓝/白(双色三色可选)
- 外壳材料: 黄铜镀镍/不锈钢
- 防护等级: IP65, IK10

- Mounting Hole Size: Ø19mm
- Shape: Flat Round Ring Illuminated Power Symbol
- Switch Rating: 2A/36VDC, 5A/250VAC
- Contact Configuration: 1NO
- Operation Type: Momentary
- Terminal Type: Screw Terminal
- Lamp Color: Red/Green/Yellow/Orange Blue/White(Could be bi-color LED)
- The Crust Material: Nickel-plated Brass/ Stainless Steel
- Protection Degree: IP65, IK10

## HBGQ22F-10/◆/◇/□

- 安装孔尺寸: Ø22mm
- 头部形状: 平圆形
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线插片/接线柱
- 外壳材料: 不锈钢
- 防护等级: IP65, IK10

- Mounting Hole Size: Ø22mm
- Shape: Flat Round
- Switch Rating: 2A/36VDC, 5A/250VAC
- Contact Configuration: 1NO
- Operation Type: Momentary
- Terminal Type: Pin Terminal/Screw Terminal
- The Crust Material: Stainless Steel
- Protection Degree: IP65, IK10



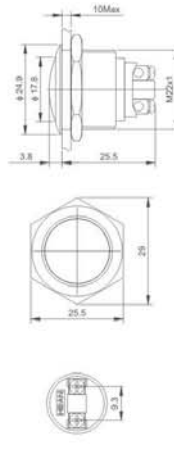
# HBGQ Series Metal Pushbutton Switches



## HBGQ22B-10/L/□

- 安装孔尺寸: Ø22mm
- 头部形状: 球形钮
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO(1NC)
- 操作类型: 自复式
- 接线类型: 接线柱
- 外壳材料: 不锈钢
- 防护等级: IP65, IK10

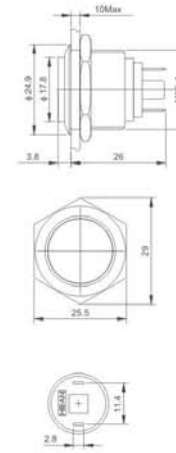
- Mounting Hole Size: Ø22mm
- Shape: Domed
- Switch Rating: 2A/36VDC, 5A/250VAC
- Contact Configuration: 1NO
- Operation Type: Momentary
- Terminal Type: Screw Terminal
- The Crust Material: Stainless Steel
- Protection Degree: IP65, IK10



## HBGQ22H-10/◆/◇/□

- 安装孔尺寸: Ø22mm
- 头部形状: 高平圆形
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO
- 操作类型: 自复式
- 接线类型: 接线插片/接线柱
- 外壳材料: 不锈钢
- 防护等级: IP65, IK10

- Mounting Hole Size: Ø22mm
- Shape: High Round
- Switch Rating: 2A/36VDC, 5A/250VAC
- Contact Configuration: 1NO
- Operation Type: Momentary
- Terminal Type: Pin Terminal/Screw Terminal
- The Crust Material: Stainless Steel
- Protection Degree: IP65, IK10



## HBGQ22M-10/◆/★

- 安装孔尺寸: Ø22mm
- 头部形状: 蘑菇钮
- 开关额定值: 2A/36VDC, 5A/250VAC
- 开关组合: 1NO(1NC)
- 操作类型: 自复式
- 接线类型: 接线插片/接线柱
- 外壳材料: 红/绿
- 外壳材料: 锌铝合金
- 防护等级: IP65, IK08

- Mounting Hole Size: Ø22mm
- Shape: Mushroom Pushbutton Switch
- Switch Rating: 2A/36VDC, 5A/250VAC
- Contact Configuration: 1NO(1NC)
- Operation Type: Momentary
- Terminal Type: Pin Terminal/Screw Terminal
- Top Color: Red/Green
- The Crust Material: Zn-Al Alloy
- Protection Degree: IP65, IK08

