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HBAN 红波按钮 | 专注于按钮
HONGBO Push Button | Manufacturing Push Button Switches



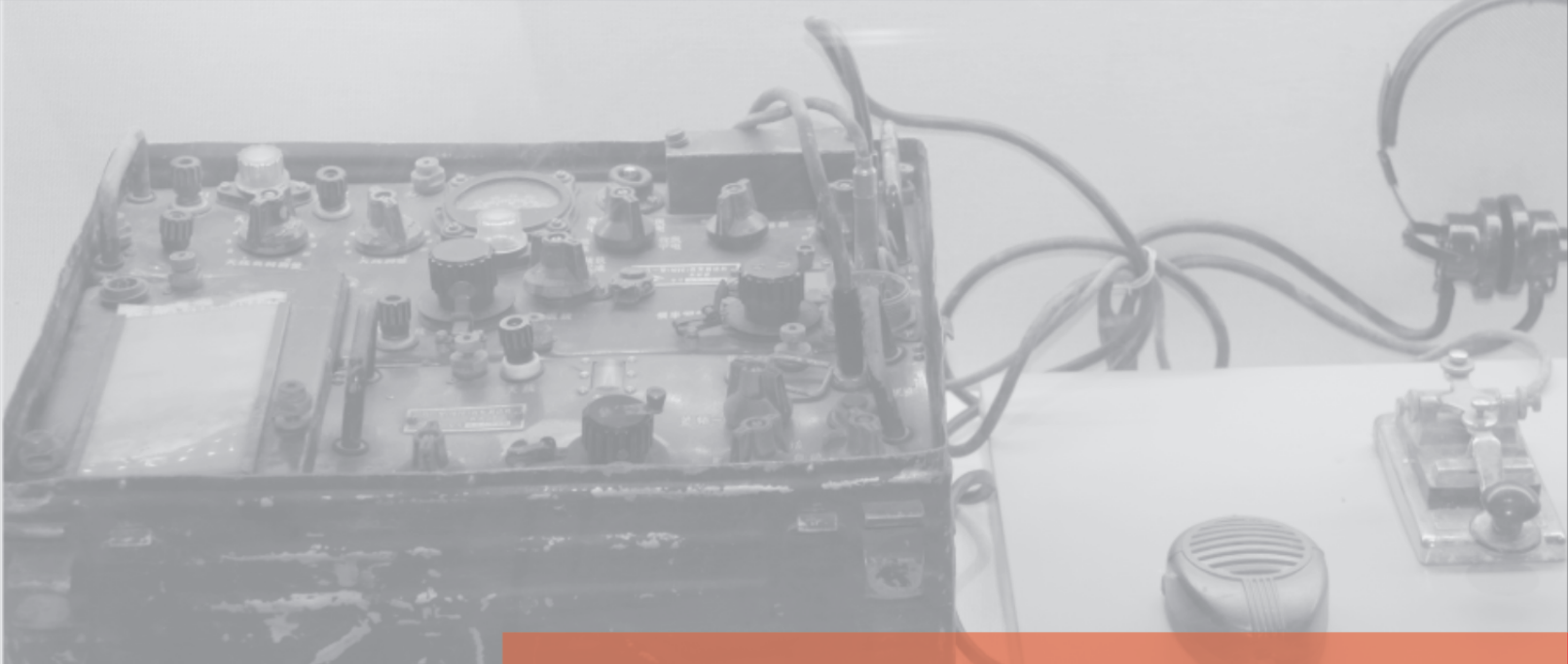
HBGQ系列

金属按钮开关

HBGQ SERIES

METAL PUSH BUTTON SWITCHES





HBAN®

红波®

红波®
HONGBO

红波按钮®

红色电波®

红波¹⁹³³®



品牌诠释

企业简介 Enterprise Introduction

HBAN红波按钮，专注于按钮。为各行业提供高效可靠的产品及解决方案。红波主要产品：按钮开关、金属按钮、触摸开关、压电开关、门禁开关、指示灯等产品。在新能源、机器人、医疗设备、自动化设备、轨道交通、电力电工等行业广泛应用。公司产品通过CCC、CE、ROHS、TUV、UL、REACH、CQC、SGS等认证，通过了ISO9001、ISO14001、OSHMS18000三体系认证，并取得过多项专利。

HBAN红波按钮自成立以来，始终保持永续创新的技术研发理念，凭着优质的产品完善的服务成为行业的领先者，公司坚持“正直诚信、担当责任、细心严谨、创新分享”的企业价值观。本着廉洁，透明，负责的合作理念，拒绝虚开发票，拒绝行贿受贿，拒绝与第三人有不正当往来关系，在提高企业员工自身素养的同时不断增强企业的综合竞争力。

HBAN红波按钮以“打造中国民族品牌”为己任，实现“不用进口按钮，就用红波按钮”的目标，为每一只产品的高品质提供可靠保证。成为了西门子、比亚迪，格力，中船重工，中车集团等知名500强企业的合作伙伴。

Hongbo button, focus on the button. Provide efficient and reliable products and solutions for various industries. Red wave main products: button switches, metal buttons, touch switches, piezoelectric switches, access control switches, indicator lights and other products. Widely used in new energy, robots, medical equipment, automation equipment, rail transit, electric power and other industries. The company's products have passed CCC, CE, ROHS, TUV, UL, REACH, CQC, SGS and other certifications, passed ISO9001, ISO14001, OSHMS18000 three system certifications, and obtained a number of patents.

Since its establishment, Hongbo Button has always maintained the concept of sustainable and innovative technology research and development, and has become a leader in the industry with high-quality products and perfect services. values. In line with the cooperation concept of honesty, transparency and responsibility, we refuse to issue false invoices, refuse to accept bribes, and refuse to have improper relationships with third parties. While improving the quality of employees, we continue to enhance the overall competitiveness of the company.

Hongbo button takes "building a Chinese national brand" as its own mission, realizes the goal of "use red wave button without importing button", and provides a reliable guarantee for the high quality of each product. It has become a partner of well-known Fortune 500 companies such as Siemens, BYD, Gree, China Shipbuilding Industry Corporation, and CRRC Group.

Brand Interpretation

抗战时期，共产党人通过“红色电波”传递革命情报，为最终的革命胜利，做出巨大贡献，实现中华民族伟大复兴。薪火传承，HBAN红波按钮视“民族品牌”为己任，取名红波寓意牢记红色历史、不忘初心。同时红色代表积极、活力、朝气、激情，也表明了HBAN红波按钮锐意进取的态度。

“红色电波，薪火传承”革命的胜利源于共产党人的坚持不懈，红波的成长在于始终秉持工匠精神。工者谓之精，千雕万琢心承之而不折；匠其运乎神，一创一造，思新之如春江。正是这样的信念见证了红波从诞生到成长壮大，不断改进创新，精益求精！

During the Anti-Japanese War, the communists transmitted revolutionary information through "red radio waves", made great contributions to the final victory of the revolution, and realized the great rejuvenation of the Chinese nation. Inheritance of fire and fire, HBAN Hongbo button regards "national brand" as its responsibility, and the name Hongbo means remembering the history of red and not forgetting the original intention. At the same time, red represents positivity, vitality, vigor, and passion, which also shows the aggressive attitude of the HBAN red wave button.

The victory of the revolution of "Red Wave, Inheritance of Fire" stems from the perseverance of the Communists. The growth of Red Wave lies in the spirit of craftsmanship. The craftsman calls it "fine", and it is hard to carve and cherish the heart without breaking it; the craftsman's luck is in the gods, one creation and one creation, thinking new like a spring river. It is this belief that has witnessed Hongbo from birth to growth, continuous improvement and innovation, and excellence!

红
色电
波
1933

薪火传承



品牌的力量
品质至精, 服务于心

发展历程

/ 十八年累积硕果累累 /

Eighteen years
of accumulated fruitful results

2003年之前

公司于90年代初，就专注LA1、LA2、LA10机床用按钮开关系列的研发与制造，在90年代LA型按钮已成为电光股份、华荣股份等上市公司的配套产品，一直沿用至今。

2003年-2005年

2003年我司在上海正式注册成立了“上海红波电器有限公司”成功注册了“红波”商标。公司视“民族品牌”为己任，取名红波寓意牢记红色历史，不忘初心。

开通了阿里巴巴诚信通，成为国内最早一批通过线上推广民族品牌文化的企业。

同年研发的HBS1-AY系列按钮在中国（武汉）电子展中取得了不菲的成果，突破了国内无小体积按钮开关，依赖进口品牌的局面。

2006年-2009年

红波按钮多款产品获得CCC、CE、ROHS等多项资质认证，部分产品获得技术专利认证。

相继研发推出HBGQ、HBS1等系列金属按钮，同年参加了高交会，电器文化节，红波按钮在国内获得广大用户的认可。

2010年-2013年

红波按钮注册欧美国等国家海外商标“HBAN”，展开全球战略推广。

参加了德国慕尼黑电子展，韩国首尔举办的电子展，并在意大利、韩国分别成立了办事处。

2014年-2018年

参加美国、日本、印度等多国国际性展会，并在西班牙、捷克、南非等国家设立办事处，提升企业在国际市场的影响力。

通过SGS测试，获得德国莱茵TUV认证、Reach认证、美国UL认证及加拿大CUL认证证书。

在国内参加了广交会，并设立深圳办事处。

2019年-2021年

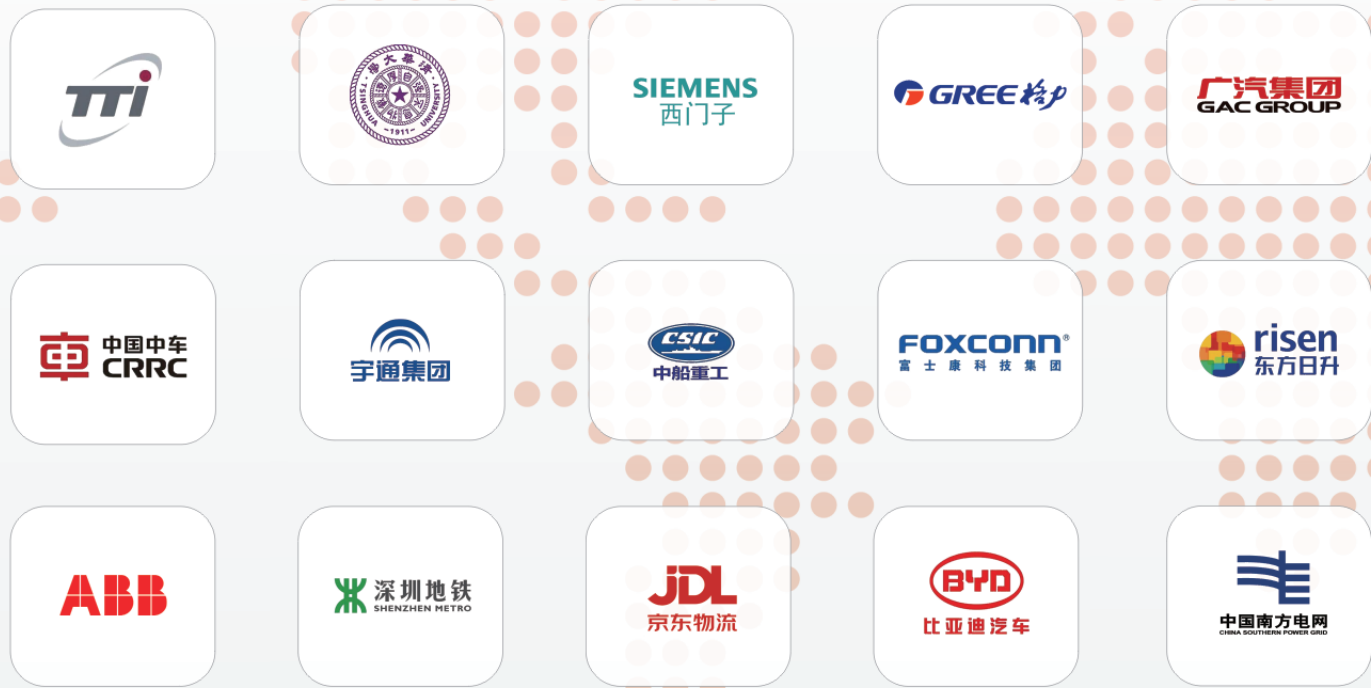
红波按钮成功替换原有进口品牌，成为西门子、比亚迪、格力，中船重工，中车集团等知名500强企业的合作伙伴。

红波按钮满足列车高安全等级SIL4，成功替换原有进口品牌，应用在深圳首个采用最高等级自动驾驶技术的轨道交通-地铁20号线。

/ 辉煌红波 / HBAN Push Button /

部分合作伙伴

Strategic Partners



注:以上排名不分先后



广汽集团

红波按钮与广汽集团达成深度合作关系，共同与广汽在新能源领域为客户提供更高品质的产品和服务。



深圳地铁

不用进口按钮，就用红波按钮。红波按钮满足列车高安全等级SIL4，成为国产化首选按钮品牌，应用在深圳首个采用最高等级自动驾驶技术的轨道交通——地铁20号线。



西门子医疗

作为全球医疗解决方案专家之一，红波按钮与西门子医疗深度合作，旗下的CT设备、核磁共振设备及医用x线设备等均使用了红波按钮，助力西门子在医疗领域突出贡献。



助力冬奥会

红波按钮为冬奥会的防疫厕所提供智能化解决方案，成功为冬奥会提供服务。从每一个细节出发，大大提升了各国运动员们的认同感。

HBGQ 金属按钮系列

HBGQ Metal button series

型号说明 Model Explanation

HBGQ	☆	○	-	□	◇	■	/	◆	/	◎	/	★	/	▲	/	△
系列号	安装孔尺寸	头部形状	开关组合	带灯类型	操作类型	接线类型	外壳材料	外壳定制颜色	带灯部分电压 AC/DC	灯珠颜色						
HBGQ	12:Ø12mm 16:Ø16mm 19:Ø19mm 22:Ø22mm 25:Ø25mm	F:平圆形 H:高平圆形 B:球形 M:蘑菇钮 P:超平面形	10:1NO 01:1NC	无:无灯 D:单点灯 E:环形灯 DT:电源符号灯 ET:环形电源符号灯	无:复位式按钮 Z:自锁式按钮	J:接线插片 L:接线柱	N:黄铜镀镍 C:黄铜镀铬 S:不锈钢 A:锌合金 T:铝合金 PA:尼龙 防呆定制: 无:无防呆 1:单边防呆 2:双边防呆	无字母: 外壳本色  Red  Green  Yellow  Orange  Blue  White 可定制双色灯	3V 6V 12V 24V 36V 110V 220V 其他电压等级 可定做	 Red  Green  Yellow  Orange  Blue  White 可定制双色灯						

产品实拍 Products real shot



性能参数 Parameters

电气参数	Electrical Parameter	Ui:250V Ith:2A Ui:250V Ith:3A Ui:250V Ith:5A	开关结构	Contact Type	双断点慢动触头 Two terminal breakpoints slow moving contact
开关额定值	Switch Rating	AC-15:220V/0.5A; DC-13:220V/0.1A	开关组合	Contact Configuration	1NO、1NC
工作环境温度	Operating Temperature	-25°C~+65°C	表面防爆等级	Explosion proof grade	IK08(针对金属材质)
储存温度	Storage Temperature	-40°C~+80°C	防护等级	Degree of Protection	IP65、IP67
储存湿度	Storage Humidity	45~90%RH	操作压力	Operating Pressure	3~5N
接触电阻	Contact Resistance	≤50mΩ	螺母扭矩	ScrewTorque	≈0.8Nm
绝缘电阻	Insulation Resistance	≥1000 mΩ	触点材质	Contact Material	银合金
介电强度	Dielectric Strength	AC1500V、AC2500V	机械寿命	Mechanical Life	≥500,000次、≥1000,000次
			电气寿命	Electrical Life	≥50,000次

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	≤ 20mA
发光颜色 Color	R G B W R G R B	寿命 Life	50000小时(参考值) 50000 hours (reference value)
额定电压 Rated Voltage	3V、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

灯珠等效电路
Lamp Equivalent Circuit

单色发光 Monochrome light



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.

双色发光 Double color light

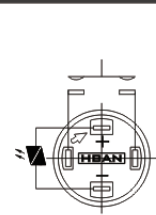


高亮LED发光、基本发光颜色5种：(红绿黄蓝白)其它可定制；
双色发光基本型是共负极及正负极切换。

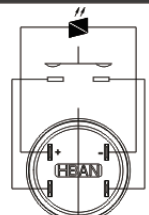
开关结构说明 Switch Structure Explanation

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头开关个别产品可定制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.

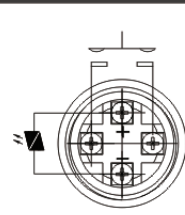
引脚说明 Pin Description



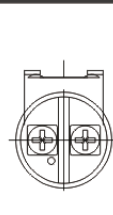
HBQG带灯系列



HBQG自锁带灯系列



HBQG接线柱带灯系列



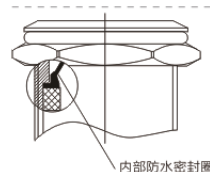
HBQG常闭系列

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，不仅增强了其美观性，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、防爆性能及耐腐蚀性等特点。防水等级IP65，防爆能力IK08-IK10。

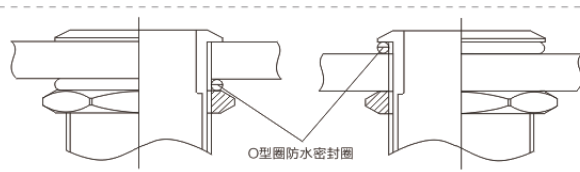
Pushbutton use metal housing, not only the appearance would be more beautiful and multi-colorful compared with plastic indicator, but also enhance the dustproof and waterproof, explosion resistance and corrosion resistance performance of the head (above the panel mount), etc. IP65 waterproof, Explosion-proof IK08-IK10.

内部IP防尘、防水结构



内部防水密封圈

外部O型密封圈安装方法



O型圈防水密封圈

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。

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



激光刻穿发光效果图

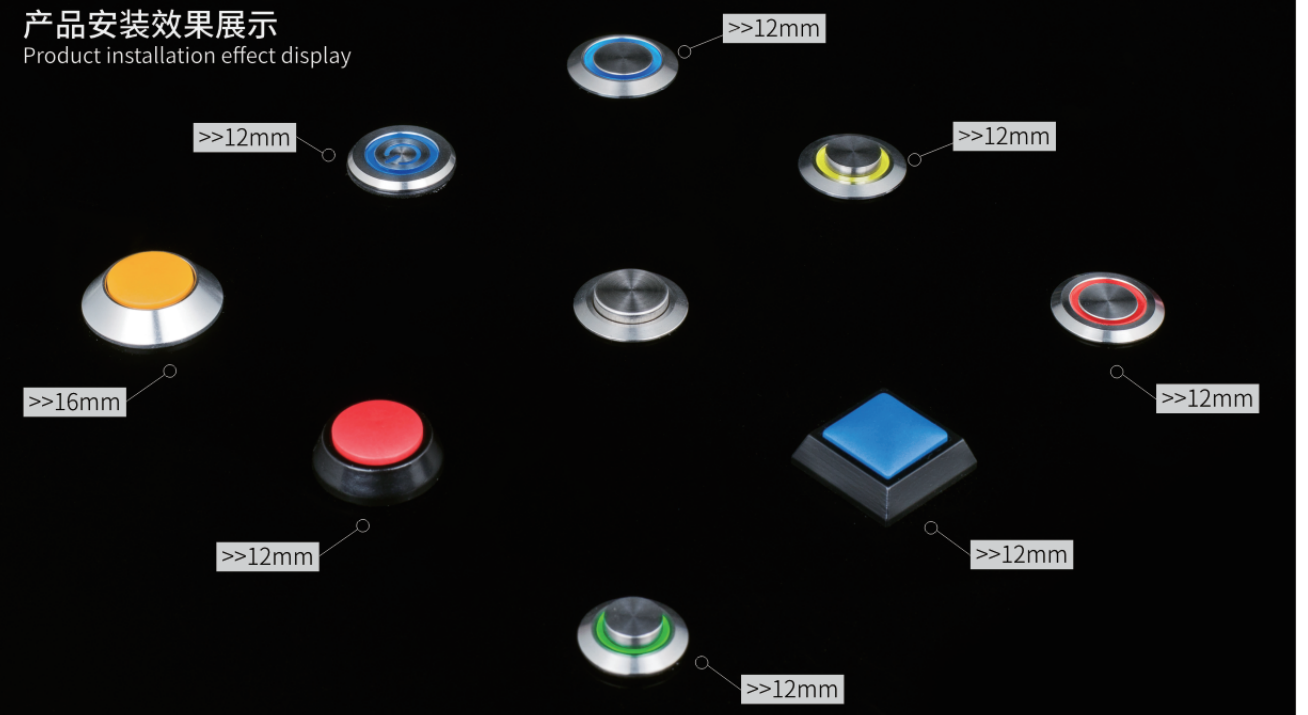


符号定制举例

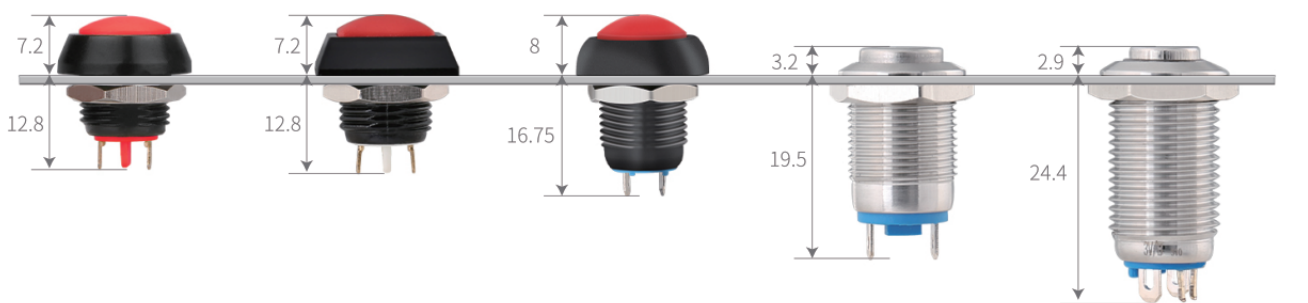


产品安装效果展示

Product installation effect display



安装图例 Installation Legend



插脚款尾部可焊线 Terminal can be customized



产品展示 Products Show

参数及尺寸 Parameters and dimensions

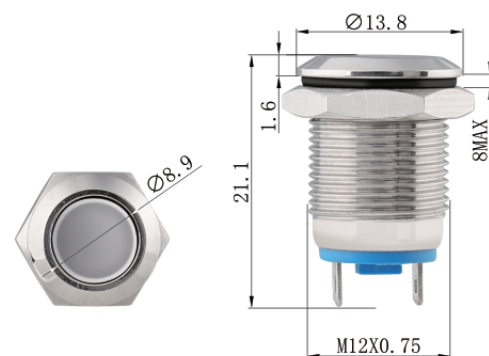
Ø12安装孔系列 尺寸标注单位为毫米 (mm)

Ø12mm 平圆形

HBGQ12F-10/J/◎



- ◎ 外壳材质 Shell material
- N: 黄铜 Nickel plated brass
 - S: 不锈钢 Stainless steel
 - T: 锌铝合金 (定制) Zn-Al Alloy

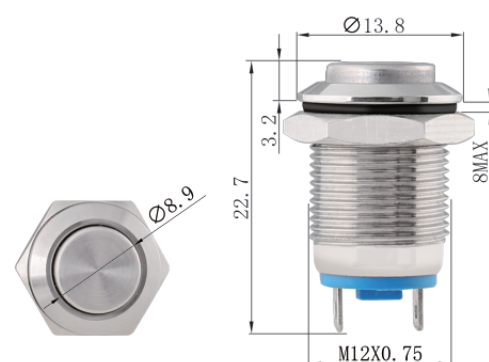


Ø12mm 高平圆形

HBGQ12H-10/J/◎

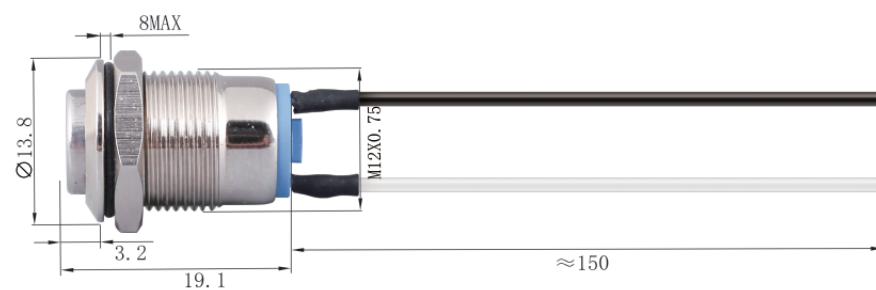


- ◎ 外壳材质 Shell material
- N: 黄铜 Nickel plated brass
 - S: 不锈钢 Stainless steel
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Ø12mm 高平圆形焊线款

HBGQ12H-10/J/◎

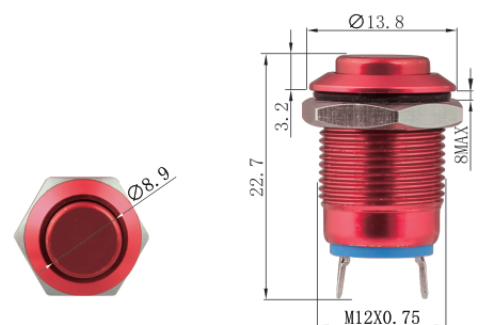
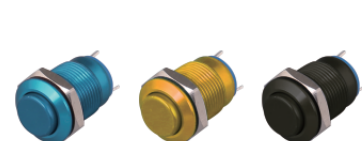


Ø12mm 彩色电镀

HBGQ12H-10/J/T/★



- ★ 外壳电镀颜色
- R: 红色 Red
 - G: 绿色 Green
 - Y: 黄色 Yellow
 - B: 蓝色 Blue
 - H: 黑色 Black



产品展示 Products Show

参数及尺寸 Parameters and dimensions

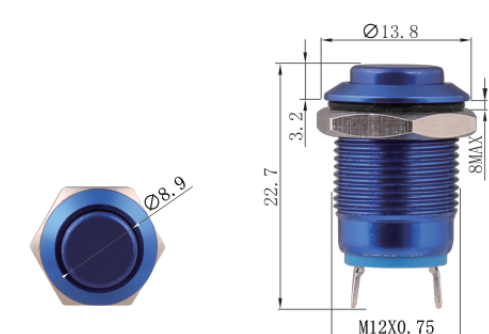
Ø12安装孔系列 尺寸标注单位为毫米 (mm)

Ø12mm 彩色电镀

HBGQ12H-10/J/T/★



- ★ 外壳电镀颜色
- R: 红色 Red
 - G: 绿色 Green
 - Y: 黄色 Yellow
 - B: 蓝色 Blue
 - H: 黑色 Black

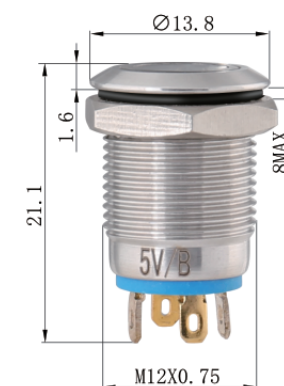
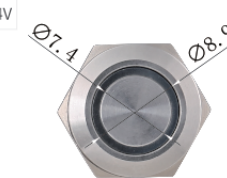


Ø12mm 平圆形环形带灯

HBGQ12F-10E/J/◎/▲/△



- ◎ 外壳材质 Shell material
- N: 黄铜 Nickel plated brass
 - S: 不锈钢 Stainless steel
 - T: 锌铝合金 (定制) Zn-Al Alloy
- ▲ 灯电压 LED Voltage
- AC/DC6V
 - AC/DC12V
 - AC/DC24V
 - AC/DC36V
 - AC/DC110V
 - AC/DC220V
- △ 带灯颜色 LED Color
- R: 红色 Red
 - G: 绿色 Green
 - Y: 黄色 Yellow
 - O: 橙色 Orange
 - B: 蓝色 Blue
 - W: 白色 White

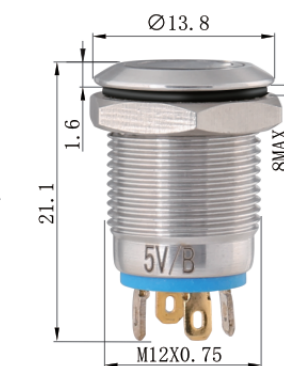


Ø12mm 平圆形带电源符号

HBGQ12F-10DT/J/◎/▲/△



- ◎ 外壳材质 Shell material
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 - AC/DC24V
 - AC/DC36V
 - AC/DC110V
 - AC/DC220V
- △ 带灯颜色 LED Color
- R: 红色 Red
 - G: 绿色 Green
 - Y: 黄色 Yellow
 - O: 橙色 Orange
 - B: 蓝色 Blue
 - W: 白色 White

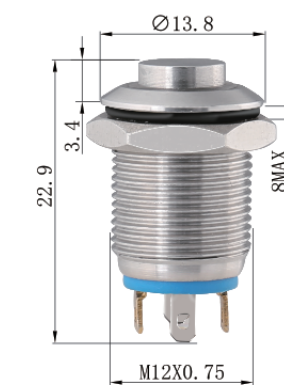


Ø12mm 高平圆形环形带灯

HBGQ12H-10E/J/◎/▲/△



- ◎ 外壳材质 Shell material
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 - AC/DC220V
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 - G: 绿色 Green
 - Y: 黄色 Yellow
 - O: 橙色 Orange
 - B: 蓝色 Blue
 - W: 白色 White



产品展示 Products Show

参数及尺寸 Parameters and dimensions

Ø12安装孔系列 尺寸标注单位为毫米 (mm)

Ø12mm 平圆形

HBGQ12F-10Z/J/◎

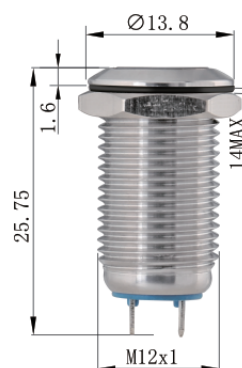


◎ 外壳材质 Shell material

N: 黄铜 Nickel plated brass

S: 不锈钢 Stainless steel

T: 锌铝合金 (定制) Zn-Al Alloy



Ø12mm 高平圆形

HBGQ12H-10Z/J/◎

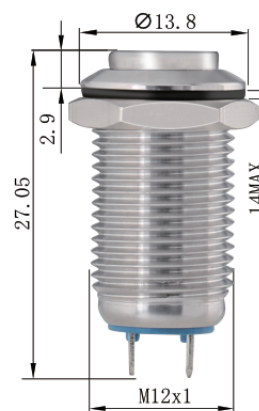


◎ 外壳材质 Shell material

N: 黄铜 Nickel plated brass

S: 不锈钢 Stainless steel

T: 锌铝合金 (定制) Zn-Al Alloy



Ø12mm 平圆形环形带灯

HBGQ12F-10EZ/J/◎/▲/△



◎ 外壳材质 Shell material

N: 黄铜 Nickel plated brass

S: 不锈钢 Stainless steel

T: 锌铝合金 (定制) Zn-Al Alloy

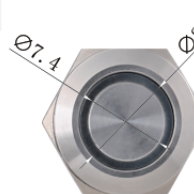
▲ 灯电压 LED Voltage

AC/DC6V AC/DC12V AC/DC24V

AC/DC36V AC/DC110V AC/DC220V

△ 带灯颜色 LED Color

R G Y O B W



Ø12mm 平圆形带电源符号

HBGQ12F-10DTZ/J/◎/▲/△



◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

S: 不锈钢 Stainless steel

T: 锌铝合金 (定制) Zn-Al Alloy

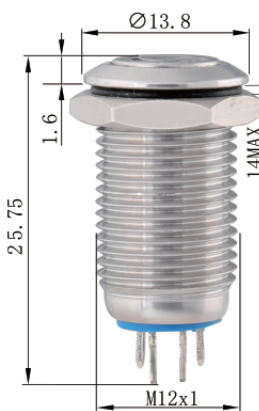
▲ 灯电压 LED Voltage

AC/DC6V AC/DC12V AC/DC24V

AC/DC36V AC/DC110V AC/DC220V

△ 带灯颜色 LED Color

R G Y O B W



产品展示 Products Show

参数及尺寸 Parameters and dimensions

Ø12安装孔系列 尺寸标注单位为毫米 (mm)

Ø12mm 平圆形环形带灯

HBGQ12H-10EZ/J/◎/▲/△



◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

S: 不锈钢 Stainless steel

T: 锌铝合金 (定制) Zn-Al Alloy

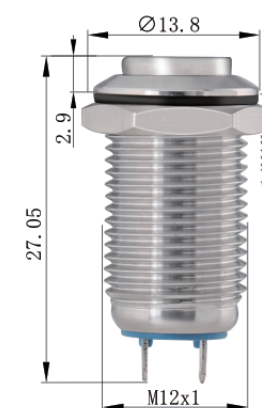
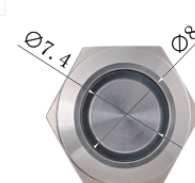
▲ 灯电压 LED Voltage

AC/DC6V AC/DC12V AC/DC24V

AC/DC36V AC/DC110V AC/DC220V

△ 带灯颜色 LED Color

R G Y O B W



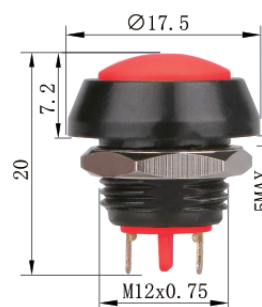
Ø12mm 球形钮(锌铝合金)

HBGQ12B-10/J/A/△



△ 头部颜色 Head Color

R G Y O B W H



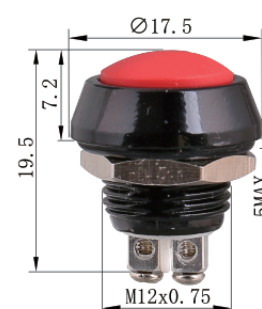
Ø12mm 球形钮(锌铝合金)

HBGQ12B-10/L/A/△



△ 头部颜色 Head Color

R G Y O B W H



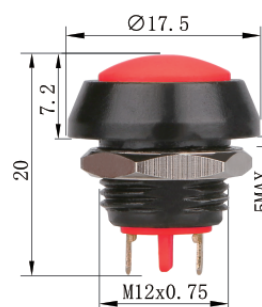
Ø12mm 箭头球形钮(防紫外线)

HBGQ12B-10/J/A/△



△ 头部颜色 Head Color

R G Y O B W H



产品展示 Products Show

参数及尺寸 Parameters and dimensions

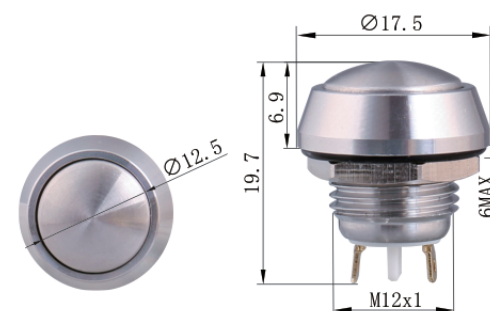
Ø12安装孔系列 尺寸标注单位为毫米 (mm)

Ø12mm 球形钮 (不锈钢)

HBGQ12B-10/J/◎



- ◎ 外壳材质 Shell material
- N: 黄铜镀镍 Nickel plated brass
 - C: 黄铜镀铬 Brass chrome
 - S: 不锈钢 Stainless steel
 - T: 锌铝合金 (定制) Zn-Al Alloy

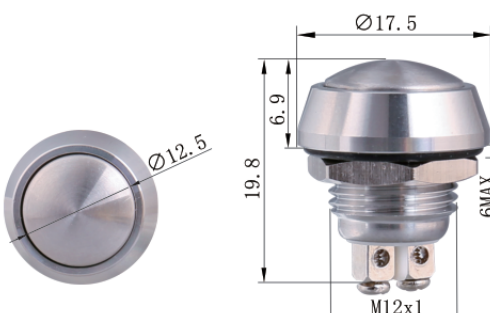


Ø12mm 球形钮 (不锈钢)

HBGQ12B-10/L/◎



- ◎ 外壳材质 Shell material
- N: 黄铜镀镍 Nickel plated brass
 - C: 黄铜镀铬 Brass chrome
 - S: 不锈钢 Stainless steel
 - T: 锌铝合金 (定制) Zn-Al Alloy

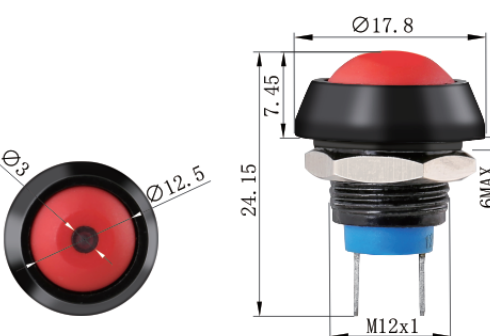


Ø12mm 球形单点带灯

HBGQ12B-10D/J/A/▲/△



- ▲ 灯电压 LED Voltage AC/DC6V AC/DC12V AC/DC24V
AC/DC36V AC/DC110V AC/DC220V
- △ 带灯颜色 LED Color
R G Y O B W

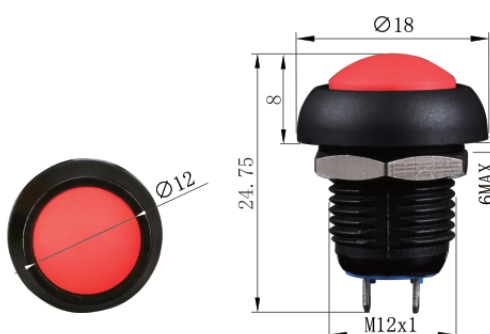


Ø12mm 球形钮 (尼龙)

HBGQ12B-10■/J/PA/△



- 操作类型 Operation Type
Z: 自锁式 Latching 无: 自复式 Momentary
- △ 头部颜色 Head Color
R G Y O B W H



产品展示 Products Show

参数及尺寸 Parameters and dimensions

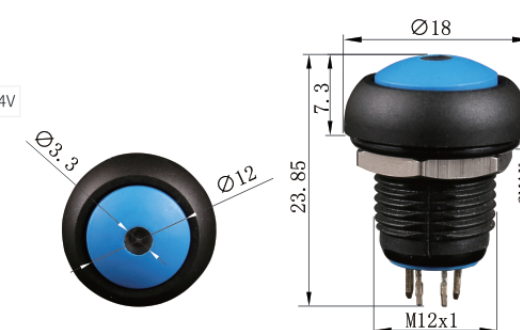
Ø12安装孔系列 尺寸标注单位为毫米 (mm)

Ø12mm 球形单点带灯

HBGQ12B-10D■/J/PA/▲/△



- 操作类型 Operation Type
Z: 自锁式 Latching 无: 自复式 Momentary
- ▲ 灯电压 LED Voltage AC/DC6V AC/DC12V AC/DC24V
AC/DC36V AC/DC110V AC/DC220V
- △ 带灯颜色 LED Color
R G Y O B W

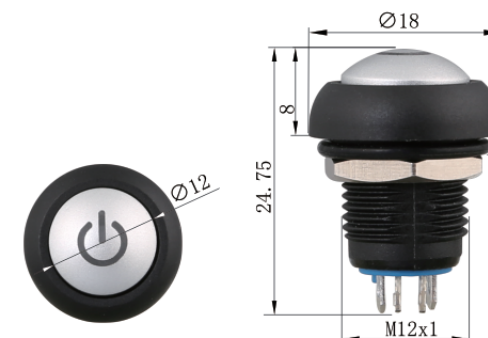


Ø12mm 定制图案球形钮

HBGQ12B-10DT■/J/PA/▲/△(定制图案)



- 操作类型 Operation Type
Z: 自锁式 Latching 无: 自复式 Momentary
- ▲ 灯电压 LED Voltage AC/DC6V AC/DC12V AC/DC24V
AC/DC36V AC/DC110V AC/DC220V
- △ 带灯颜色 LED Color R G Y O B W
- 定制图案 Custom pattern

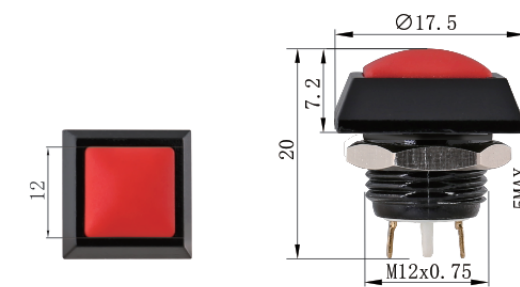


Ø12mm 方形钮

HBGQ12S-10/J/A/△



- △ 头部颜色 Head Color
R G Y O B W H

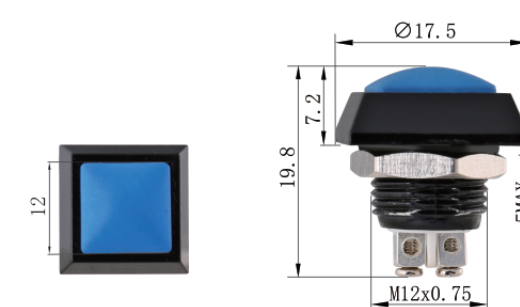


Ø12mm 方形钮

HBGQ12S-10/L/A/△



- △ 头部颜色 Head Color
R G Y O B W H



产品展示
Products Show

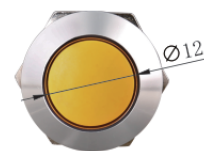
参数及尺寸
Parameters and dimensions

Ø16安装孔系列
尺寸标注单位为毫米 (mm)

Ø16mm 球形钮(锌铝合金)

HBGQ12/16B-10/L/T/△

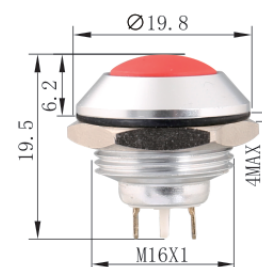
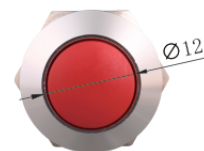
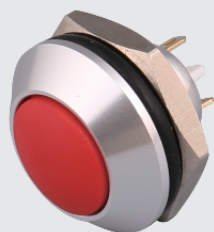
△ 头部颜色 Head Color
R G Y O B W H



Ø16mm 球形钮(锌铝合金)

HBGQ12/16B-10/J/T/△

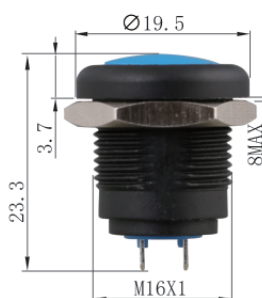
△ 头部颜色 Head Color
R G Y O B W H



Ø16mm 平圆形

HBGQ16F-10/J/PA/△

△ 头部颜色 Head Color
R G Y O B W H

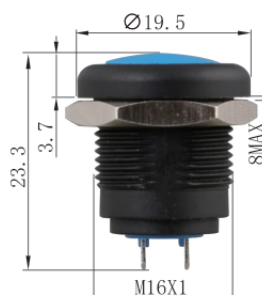
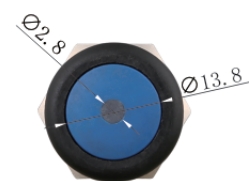


Ø16mm 平圆形带灯

HBGQ16F-10D/J/PA/▲/△

▲ 灯电压 LED Voltage AC/DC6V AC/DC12V AC/DC24V
AC/DC36V AC/DC110V AC/DC220V

△ 带灯颜色 LED Color
R G Y O B W H



产品展示
Products Show

参数及尺寸
Parameters and dimensions

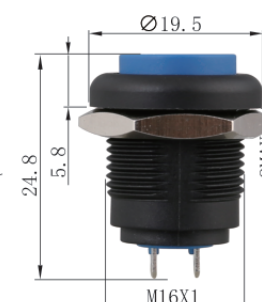
Ø16安装孔系列
尺寸标注单位为毫米 (mm)

Ø16mm 高平圆形带灯

HBGQ16H-10D/J/PA/▲/△

▲ 灯电压 LED Voltage AC/DC6V AC/DC12V AC/DC24V
AC/DC36V AC/DC110V AC/DC220V

△ 带灯颜色 LED Color
R G Y O B W H

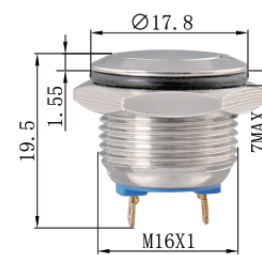


Ø16mm 平圆形

HBGQ16F-10/J/◎

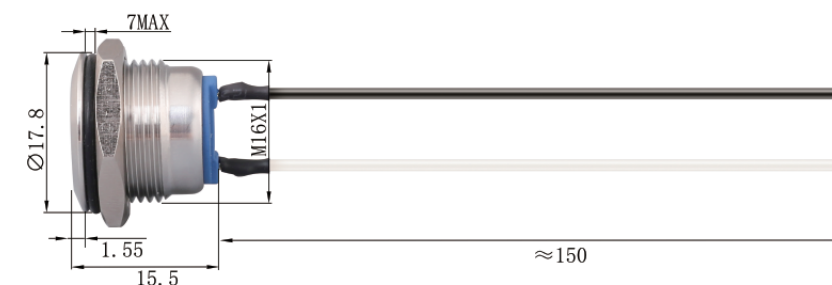
◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass
S: 不锈钢 Stainless steel T: 锌铝合金(定制) Zn-Al Alloy



Ø16mm 平圆形焊线款

HBGQ16F-10/J/◎

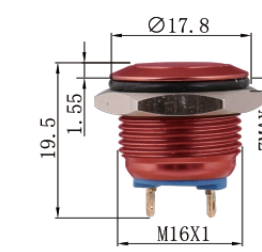


Ø16mm 彩色电镀

HBGQ16F-10/J/T/★

★ 外壳电镀颜色

R G Y O B W H



产品展示 Products Show

参数及尺寸 Parameters and dimensions

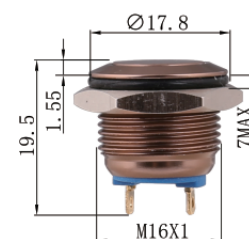
Ø16安装孔系列 尺寸标注单位为毫米 (mm)

Ø16mm 彩色电镀

HBGQ16F-10/J/T/★

★ 外壳电镀颜色

R G Y O B W H



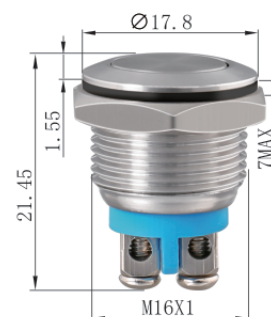
Ø16mm 平圆形

HBGQ16F-10/L/◎

◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

S: 不锈钢 Stainless steel T: 锌铝合金 (定制) Zn-al Alloy



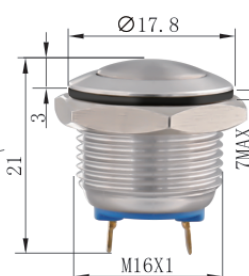
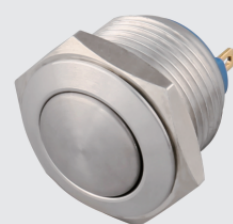
Ø16mm 球形钮

HBGQ16B-10/J/◎

◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

S: 不锈钢 Stainless steel T: 锌铝合金 (定制) Zn-al Alloy



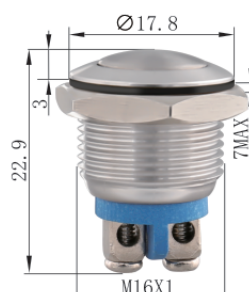
Ø16mm 球形钮

HBGQ16B-10/L/◎

◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

S: 不锈钢 Stainless steel T: 锌铝合金 (定制) Zn-al Alloy



产品展示 Products Show

参数及尺寸 Parameters and dimensions

Ø16安装孔系列 尺寸标注单位为毫米 (mm)

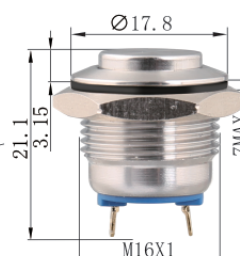
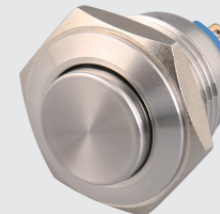
Ø16mm 高平圆形

HBGQ16H-10/J/◎

◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

S: 不锈钢 Stainless steel T: 锌铝合金 (定制) Zn-al Alloy



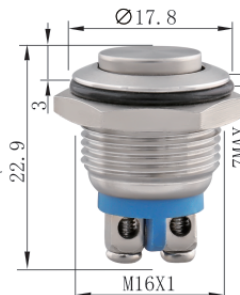
Ø16mm 高平圆形

HBGQ16H-10/L/◎

◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

S: 不锈钢 Stainless steel T: 锌铝合金 (定制) Zn-al Alloy



Ø16mm 平圆形环形带灯

HBGQ16F-10E/J/◎/▲/△

◎ 外壳材质 Shell material

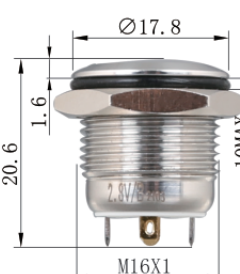
N: 黄铜镀镍 Nickel plated brass

S: 不锈钢 Stainless steel T: 锌铝合金 (定制) Zn-al Alloy

▲ 灯电压 LED Voltage AC/DC6V AC/DC12V AC/DC24V
AC/DC36V AC/DC110V AC/DC220V

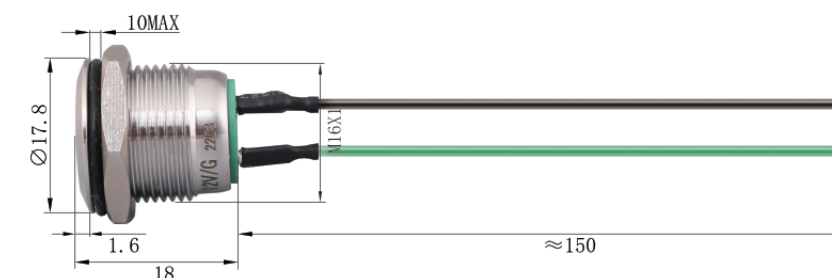
△ 带灯颜色 LED Color

R G Y O B W



Ø16mm 平圆形环形灯焊线款

HBGQ16F-10E/J/◎



产品展示 Products Show

参数及尺寸 Parameters and dimensions

Ø16安装孔系列 尺寸标注单位为毫米 (mm)

Ø16mm 平圆形环形带灯

HBGQ16F-10E/L/◎/▲/△



◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

S: 不锈钢 Stainless steel

T: 锌铝合金 (定制) Zn-al Alloy

▲ 灯电压 LED Voltage AC/DC6V AC/DC12V AC/DC24V
AC/DC36V AC/DC110V AC/DC220V

△ 带灯颜色 LED Color

R G Y O B W



Ø16mm 平圆形环形电源符号超短款

HBGQ16F-10ET/J/◎/▲/△



◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

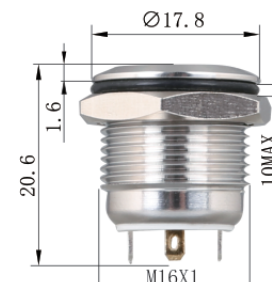
S: 不锈钢 Stainless steel

T: 锌铝合金 (定制) Zn-al Alloy

▲ 灯电压 LED Voltage AC/DC6V AC/DC12V AC/DC24V
AC/DC36V AC/DC110V AC/DC220V

△ 带灯颜色 LED Color

R G Y O B W



Ø16mm 平圆形环形带电源符号

HBGQ16F-10ET/L/◎/▲/△



◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

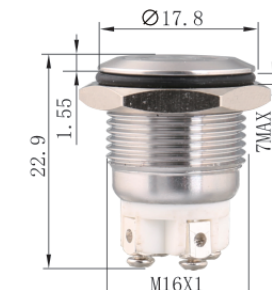
S: 不锈钢 Stainless steel

T: 锌铝合金 (定制) Zn-al Alloy

▲ 灯电压 LED Voltage AC/DC6V AC/DC12V AC/DC24V
AC/DC36V AC/DC110V AC/DC220V

△ 带灯颜色 LED Color

R G Y O B W



Ø16mm 高平圆形环形灯超短款

HBGQ16H-10E/J/◎/▲/△



◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

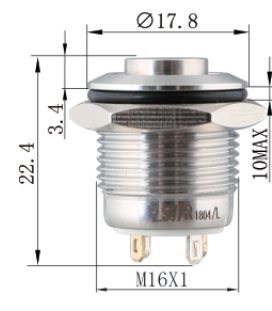
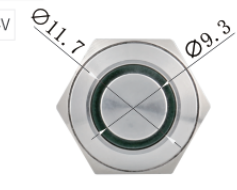
S: 不锈钢 Stainless steel

T: 锌铝合金 (定制) Zn-al Alloy

▲ 灯电压 LED Voltage AC/DC6V AC/DC12V AC/DC24V
AC/DC36V AC/DC110V AC/DC220V

△ 带灯颜色 LED Color

R G Y O B W



产品展示 Products Show

参数及尺寸 Parameters and dimensions

Ø16安装孔系列 尺寸标注单位为毫米 (mm)

Ø16mm 高平圆形环形带灯

HBGQ16H-10E/L/◎/▲/△



◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

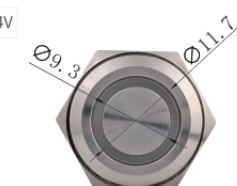
S: 不锈钢 Stainless steel

T: 锌铝合金 (定制) Zn-al Alloy

▲ 灯电压 LED Voltage AC/DC6V AC/DC12V AC/DC24V
AC/DC36V AC/DC110V AC/DC220V

△ 带灯颜色 LED Color

R G Y O B W



Ø16mm 平圆形超短自锁钮

HBGQ16F-10Z/J/◎

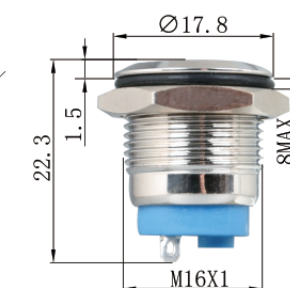


◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

S: 不锈钢 Stainless steel

T: 锌铝合金 (定制) Zn-al Alloy



Ø16mm 球形超短自锁钮

HBGQ16B-10Z/J/◎

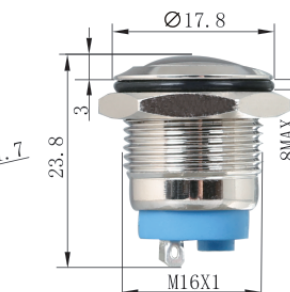


◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

S: 不锈钢 Stainless steel

T: 锌铝合金 (定制) Zn-al Alloy



Ø16mm 高平圆形超短自锁钮

HBGQ16H-10Z/J/◎

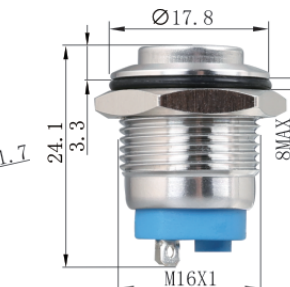


◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

S: 不锈钢 Stainless steel

T: 锌铝合金 (定制) Zn-al Alloy



产品展示 Products Show

参数及尺寸 Parameters and dimensions

Ø16安装孔系列 尺寸标注单位为毫米 (mm)

Ø16mm 单点灯超短自锁钮

HBGQ16F-10DZ/J/◎/▲/△



◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

S: 不锈钢 Stainless steel T: 锌铝合金 (定制) Zn-al Alloy

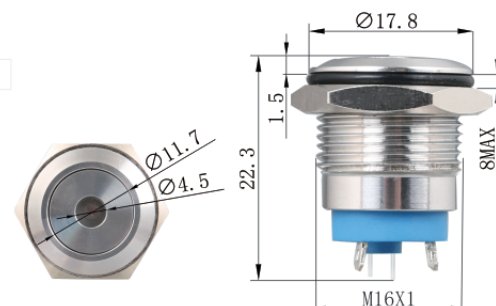
▲ 灯电压 LED Voltage

AC/DC6V AC/DC12V AC/DC24V

AC/DC36V AC/DC110V AC/DC220V

△ 带灯颜色 LED Color

R G Y O B W



Ø16mm 电源符号超短自锁钮

HBGQ16F-10DTZ/J/◎/▲/△



◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

S: 不锈钢 Stainless steel T: 锌铝合金 (定制) Zn-al Alloy

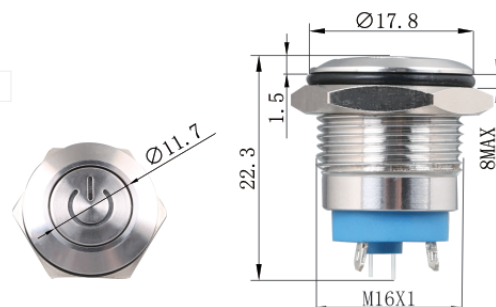
▲ 灯电压 LED Voltage

AC/DC6V AC/DC12V AC/DC24V

AC/DC36V AC/DC110V AC/DC220V

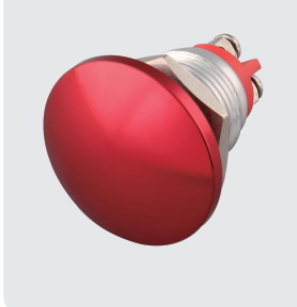
△ 带灯颜色 LED Color

R G Y O B W



Ø16mm 蘑菇钮

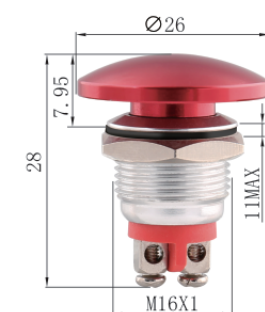
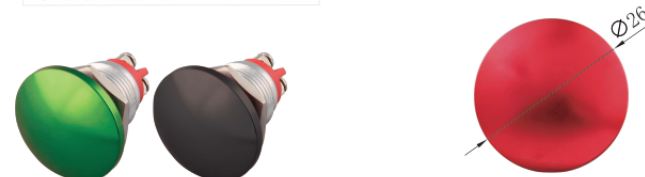
HBGQ16M-10/L/T/△



△ 头部颜色 Head Color

R G W H

可定制头部颜色 Customizable head color



Ø16mm 蘑菇钮

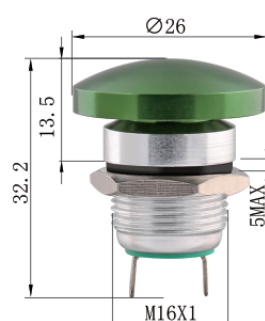
HBGQ16M-10/J/T/△



△ 头部颜色 Head Color

R G W H

可定制头部颜色 Customizable head color



产品展示 Products Show

参数及尺寸 Parameters and dimensions

Ø16安装孔系列 尺寸标注单位为毫米 (mm)

Ø16mm 蘑菇钮

HBGQ16M-10D/J/T/★/▲/△



★ 头部颜色 Head Color

R G W H

可定制头部颜色 Customizable head color

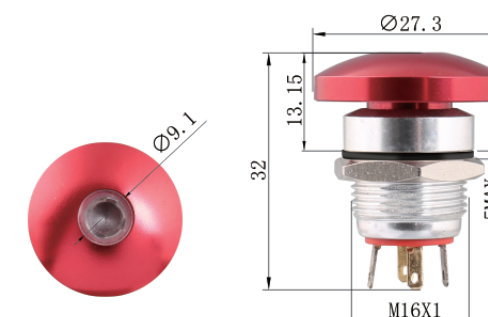
▲ 灯电压 LED Voltage

AC/DC6V AC/DC12V AC/DC24V

AC/DC36V AC/DC110V AC/DC220V

△ 带灯颜色 LED Color

R G Y O B W



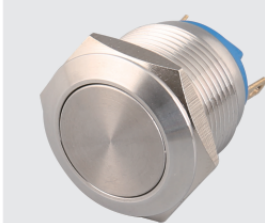
产品展示 Products Show

参数及尺寸 Parameters and dimensions

Ø19安装孔系列 尺寸标注单位为毫米 (mm)

Ø19mm 平圆形

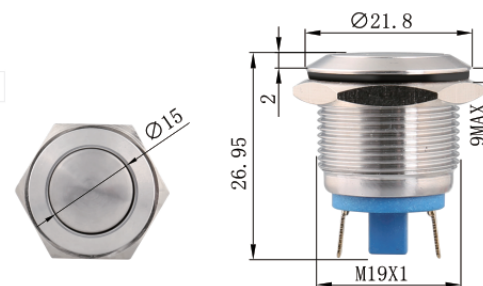
HBGQ19F-10/J/◎



◎ 外壳材质 Shell material

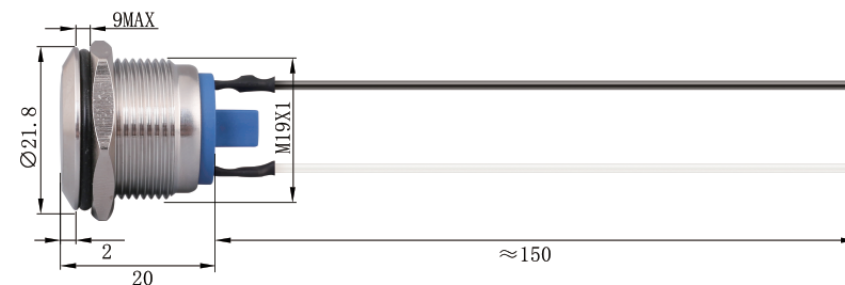
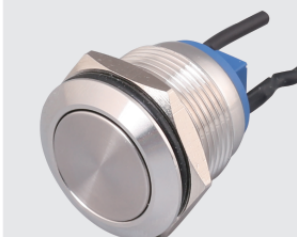
N: 黄铜镀镍 Nickel plated brass

S: 不锈钢 Stainless steel T: 锌铝合金 (定制) Zn-al Alloy



Ø19mm 平圆形焊线款

HBGQ19F-10/J/◎



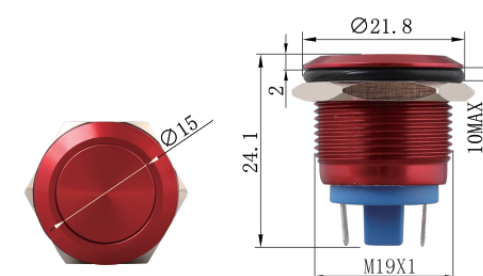
Ø19mm 彩色电镀

HBGQ19F-10/J/T/★



★ 外壳电镀颜色

R G Y O B W H



Ø19mm 平圆形

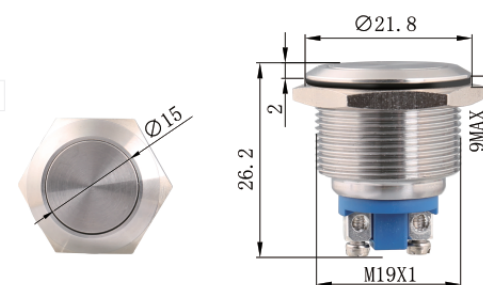
HBGQ19F-10/L/◎



◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

S: 不锈钢 Stainless steel T: 锌铝合金 (定制) Zn-al Alloy



产品展示 Products Show

参数及尺寸 Parameters and dimensions

Ø19安装孔系列 尺寸标注单位为毫米 (mm)

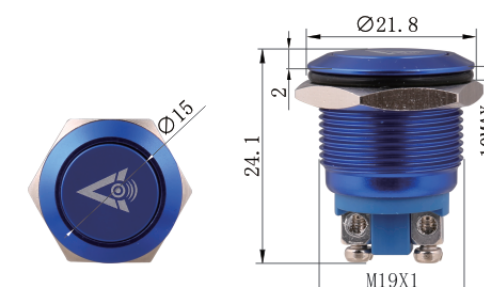
Ø19mm 彩色电镀

HBGQ19F-10/L/T/★(激光图案)



★ 外壳电镀颜色

R G Y O B W H



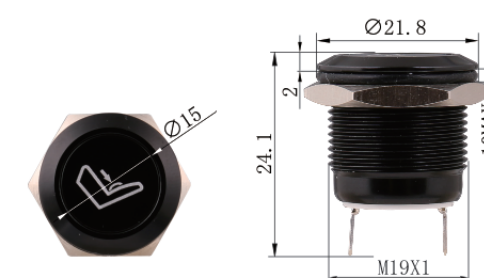
Ø19mm 彩色电镀

HBGQ19F-10/J/T/★(激光图案)



★ 外壳电镀颜色

R G Y O B W H



Ø19mm 球形钮

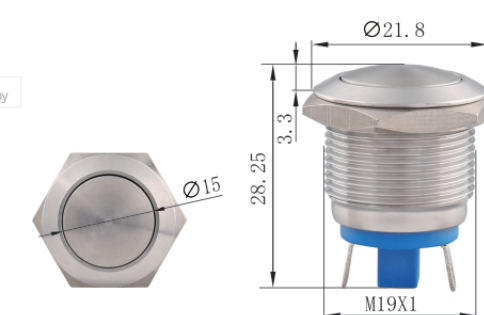
HBGQ19B-10/J/◎



◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

S: 不锈钢 Stainless steel T: 锌铝合金 (定制) Zn-al Alloy



Ø19mm 球形钮

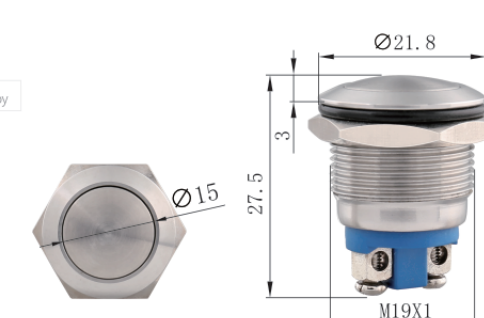
HBGQ19B-10/L/◎



◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

S: 不锈钢 Stainless steel T: 锌铝合金 (定制) Zn-al Alloy



产品展示 Products Show

参数及尺寸 Parameters and dimensions

Ø19安装孔系列 尺寸标注单位为毫米 (mm)

Ø19mm 高平圆形

HBGQ19H-10/J/◎

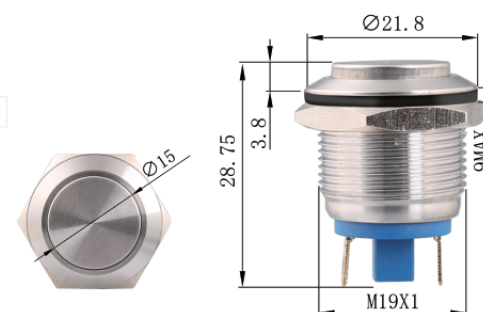


◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

S: 不锈钢 Stainless steel

T: 锌铝合金 (定制) Zn-al Alloy



Ø19mm 高平圆形

HBGQ19H-10/L/◎

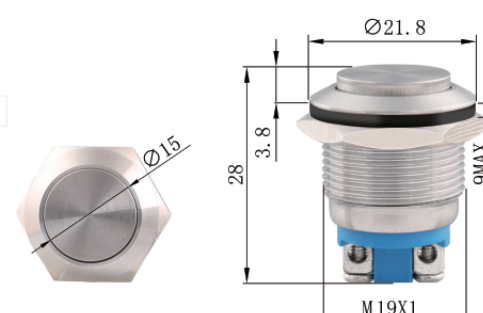


◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

S: 不锈钢 Stainless steel

T: 锌铝合金 (定制) Zn-al Alloy



Ø19mm 平圆形环形带灯

HBGQ19F-10E/J/◎/▲/△



◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

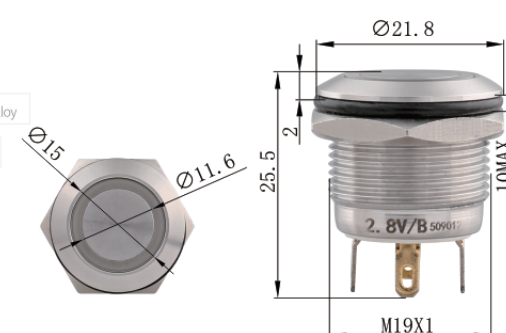
S: 不锈钢 Stainless steel

T: 锌铝合金 (定制) Zn-al Alloy

▲ 灯电压 LED Voltage AC/DC6V AC/DC12V AC/DC24V

AC/DC36V AC/DC110V AC/DC220V

△ 带灯颜色 LED Color R G Y O B W



Ø19mm 平圆形环形带灯

HBGQ19F-10E/L/◎/▲/△



◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

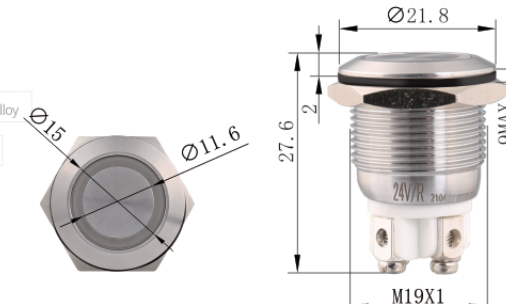
S: 不锈钢 Stainless steel

T: 锌铝合金 (定制) Zn-al Alloy

▲ 灯电压 LED Voltage AC/DC6V AC/DC12V AC/DC24V

AC/DC36V AC/DC110V AC/DC220V

△ 带灯颜色 LED Color R G Y O B W



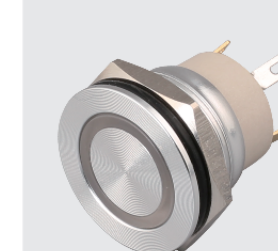
产品展示 Products Show

参数及尺寸 Parameters and dimensions

Ø19安装孔系列 尺寸标注单位为毫米 (mm)

Ø19mm 超平圆形环形带灯

HBGQ19PF-10E/J/T/▲/△



◎ 外壳材质 Shell material

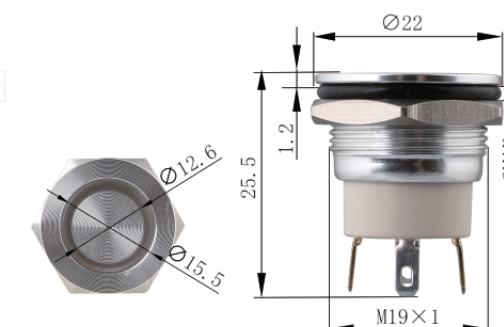
T: 锌铝合金 (定制) Zn-al Alloy

▲ 灯电压 LED Voltage AC/DC6V AC/DC12V AC/DC24V

AC/DC36V AC/DC110V AC/DC220V

△ 带灯颜色 LED Color

R G Y O B W



Ø19mm 平圆形带电源符号

HBGQ19F-10ET/J/◎/▲/△



◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

S: 不锈钢 Stainless steel

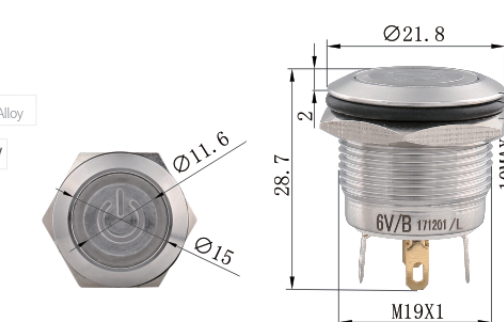
T: 锌铝合金 (定制) Zn-al Alloy

▲ 灯电压 LED Voltage AC/DC6V AC/DC12V AC/DC24V

AC/DC36V AC/DC110V AC/DC220V

△ 带灯颜色 LED Color

R G Y O B W



Ø19mm 平圆形带电源符号

HBGQ19F-10E/L/◎/▲/△



◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

S: 不锈钢 Stainless steel

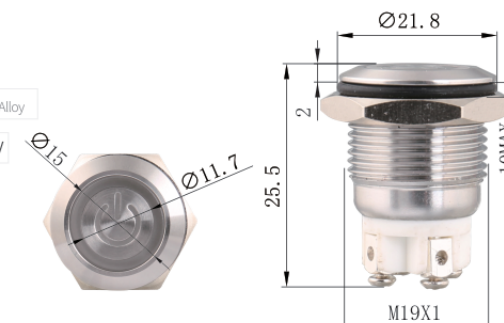
T: 锌铝合金 (定制) Zn-al Alloy

▲ 灯电压 LED Voltage AC/DC6V AC/DC12V AC/DC24V

AC/DC36V AC/DC110V AC/DC220V

△ 带灯颜色 LED Color

R G Y O B W



Ø19mm 高平圆形环形带灯

HBGQ19H-10E/J/◎/▲/△



◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

S: 不锈钢 Stainless steel

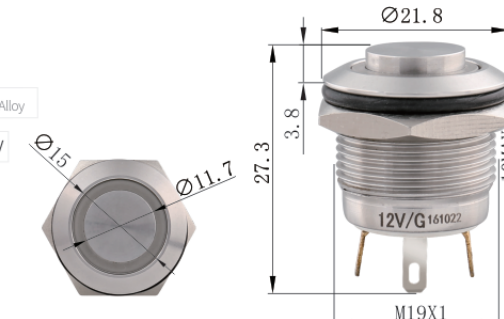
T: 锌铝合金 (定制) Zn-al Alloy

▲ 灯电压 LED Voltage AC/DC6V AC/DC12V AC/DC24V

AC/DC36V AC/DC110V AC/DC220V

△ 带灯颜色 LED Color

R G Y O B W



产品展示 Products Show

参数及尺寸 Parameters and dimensions

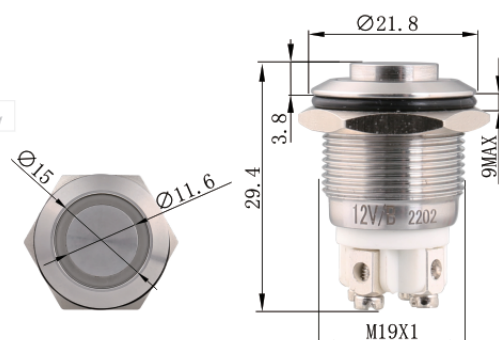
Ø19安装孔系列 尺寸标注单位为毫米 (mm)

Ø19mm 高平圆形环形带灯

HBGQ19H-10E/L/◎/▲/△



- ◎ 外壳材质 Shell material
N: 黄铜镀镍 Nickel plated brass
S: 不锈钢 Stainless steel T: 锌铝合金 (定制) Zn-al Alloy
- ▲ 灯电压 LED Voltage AC/DC6V AC/DC12V AC/DC24V
AC/DC36V AC/DC110V AC/DC220V
- △ 带灯颜色 LED Color R G Y O B W

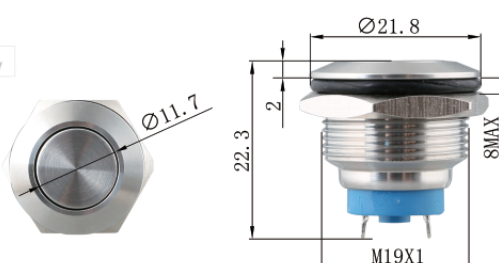


Ø19mm 平圆形超短自锁钮

HBGQ19F-10Z/J/◎



- ◎ 外壳材质 Shell material
N: 黄铜镀镍 Nickel plated brass
S: 不锈钢 Stainless steel T: 锌铝合金 (定制) Zn-al Alloy

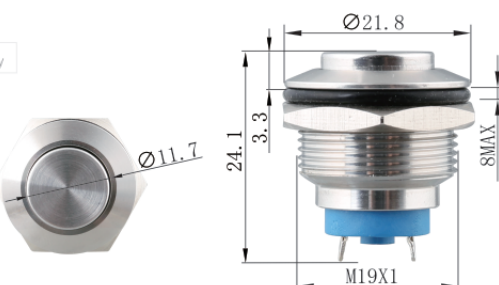


Ø19mm 高平圆形超短自锁钮

HBGQ19H-10Z/J/◎

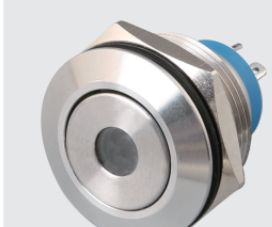


- ◎ 外壳材质 Shell material
N: 黄铜镀镍 Nickel plated brass
S: 不锈钢 Stainless steel T: 锌铝合金 (定制) Zn-al Alloy

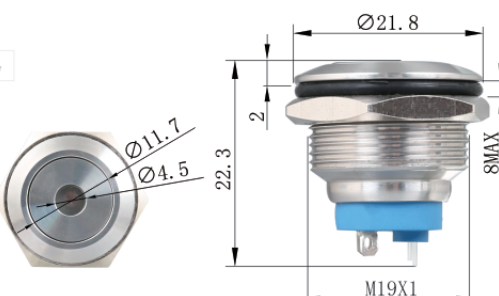


Ø19mm 单点灯超短自锁钮

HBGQ19F-10DZ/J/◎/▲/△



- ◎ 外壳材质 Shell material
N: 黄铜镀镍 Nickel plated brass
S: 不锈钢 Stainless steel T: 锌铝合金 (定制) Zn-al Alloy
- ▲ 灯电压 LED Voltage AC/DC6V AC/DC12V AC/DC24V
AC/DC36V AC/DC110V AC/DC220V
- △ 带灯颜色 LED Color R G Y O B W



产品展示 Products Show

参数及尺寸 Parameters and dimensions

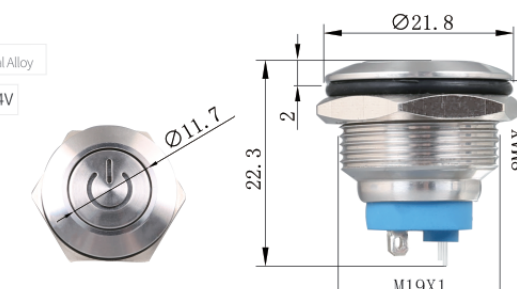
Ø19安装孔系列 尺寸标注单位为毫米 (mm)

Ø19mm 电源符号超短自锁钮

HBGQ19F-10DTZ/J/◎/▲/△

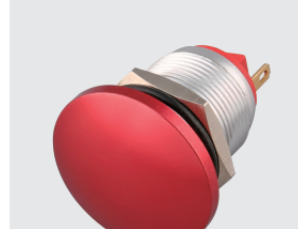


- ◎ 外壳材质 Shell material
N: 黄铜镀镍 Nickel plated brass
S: 不锈钢 Stainless steel T: 锌铝合金 (定制) Zn-al Alloy
- ▲ 灯电压 LED Voltage AC/DC6V AC/DC12V AC/DC24V
AC/DC36V AC/DC110V AC/DC220V
- △ 带灯颜色 LED Color R G Y O B W

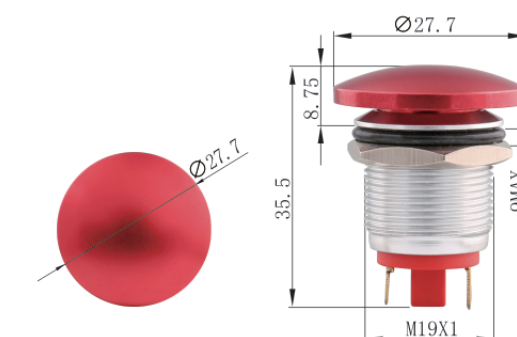


Ø19mm 蘑菇钮

HBGQ19M-10/J/T/△



- △ 头部颜色 Head Color R G W H
可定制头部颜色 Customizable head color

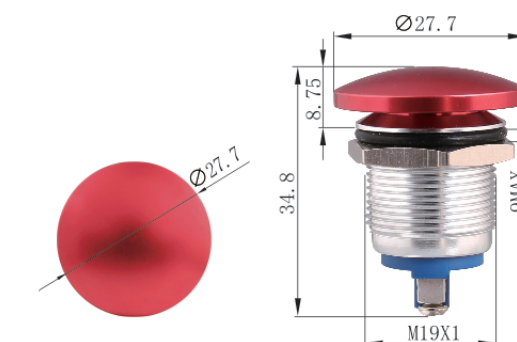


Ø19mm 蘑菇钮

HBGQ19M-10/L/T/△



- △ 头部颜色 Head Color R G W H
可定制头部颜色 Customizable head color



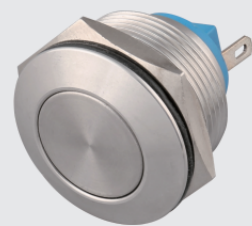
产品展示
Products Show

参数及尺寸
Parameters and dimensions

Ø22安装孔系列
尺寸标注单位为毫米 (mm)

Ø22mm 平圆形

HBGQ22F-10/J/◎

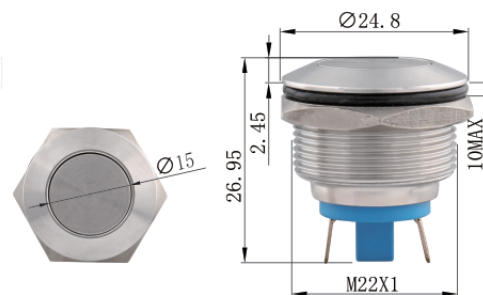


◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

S: 不锈钢 Stainless steel

T: 锌铝合金 (定制) Zn-Al Alloy



Ø22mm 平圆形

HBGQ22F-10/L/◎

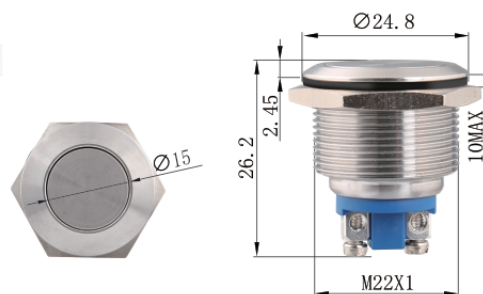


◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

S: 不锈钢 Stainless steel

T: 锌铝合金 (定制) Zn-Al Alloy



Ø22mm 球形钮

HBGQ22B-10/J/◎

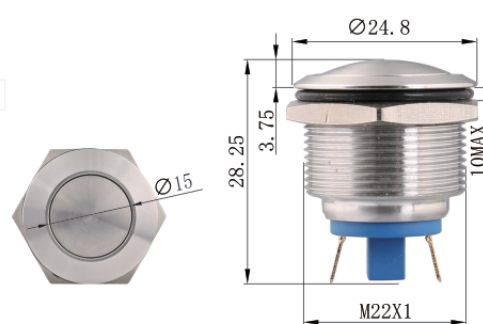


◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

S: 不锈钢 Stainless steel

T: 锌铝合金 (定制) Zn-Al Alloy



Ø22mm 球形钮

HBGQ22B-10/L/◎

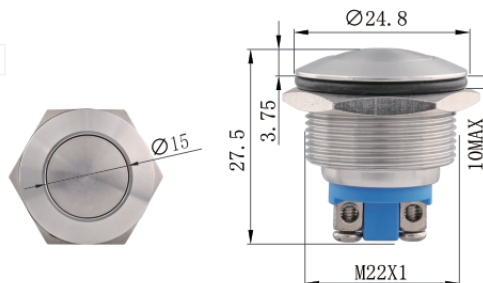


◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

S: 不锈钢 Stainless steel

T: 锌铝合金 (定制) Zn-Al Alloy



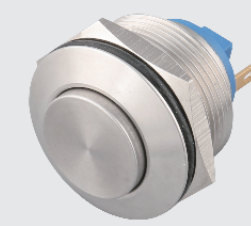
产品展示
Products Show

参数及尺寸
Parameters and dimensions

Ø22安装孔系列
尺寸标注单位为毫米 (mm)

Ø22mm 高平圆形

HBGQ22H-10/J/◎

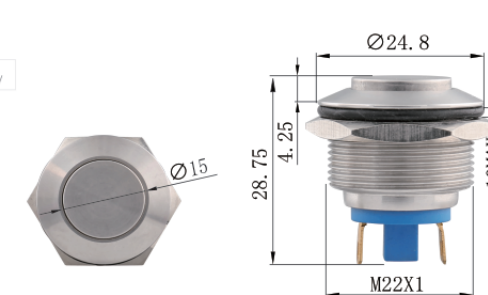


◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

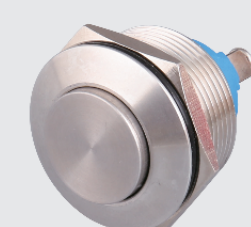
S: 不锈钢 Stainless steel

T: 锌铝合金 (定制) Zn-Al Alloy



Ø22mm 高平圆形

HBGQ22H-10/L/◎

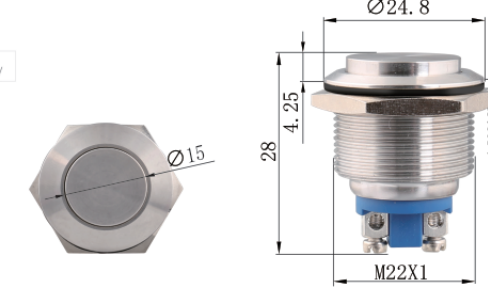


◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

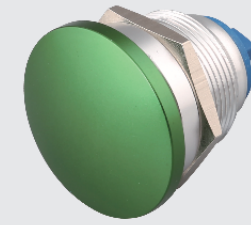
S: 不锈钢 Stainless steel

T: 锌铝合金 (定制) Zn-Al Alloy



Ø22mm 蘑菇钮

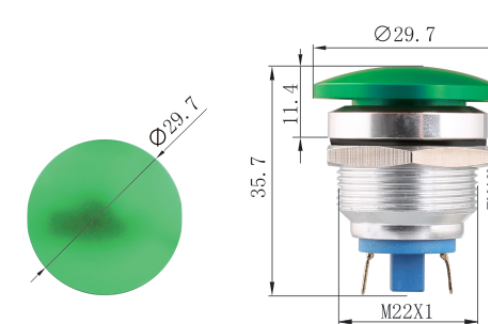
HBGQ22M-10/J/T/△



△ 头部颜色 Head Color

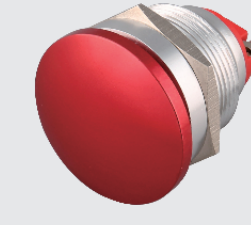
R G W H

可定制头部颜色 Customizable head color



Ø22mm 蘑菇钮

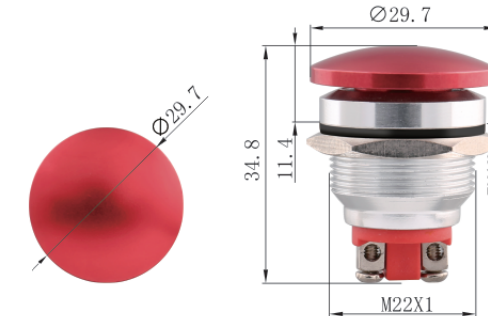
HBGQ22M-10/L/T/△



△ 头部颜色 Head Color

R G W H

可定制头部颜色 Customizable head color



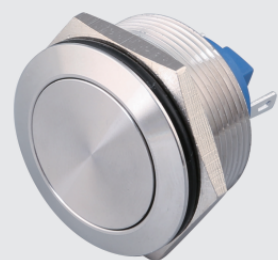
产品展示
Products Show

参数及尺寸
Parameters and dimensions

Ø25安装孔系列
尺寸标注单位为毫米 (mm)

Ø25mm 平圆形

HBGQ25F-10/J/◎

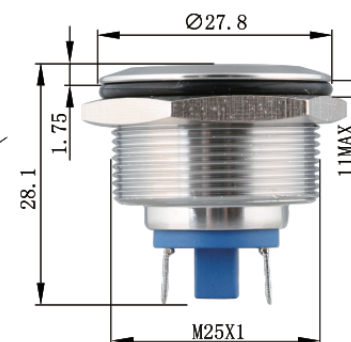
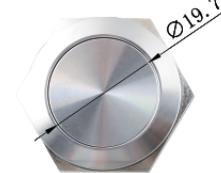


◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

S: 不锈钢 Stainless steel

T: 锌铝合金 (定制) Zn-Al Alloy



Ø25mm 平圆形

HBGQ25F-10/L/◎

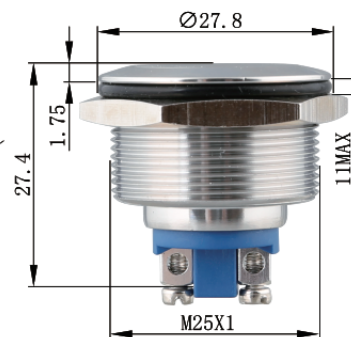
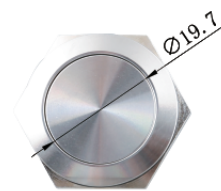


◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

S: 不锈钢 Stainless steel

T: 锌铝合金 (定制) Zn-Al Alloy



定制产品展示
Products Show

参数及尺寸
Parameters and dimensions

尺寸标注单位为毫米 (mm)

Ø16mm 高头 (定制)

HBGQ16PF-10/L/◎ (定制)

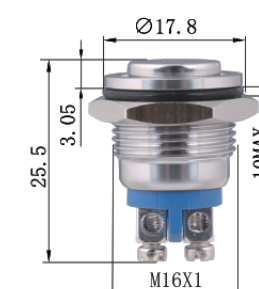


◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

S: 不锈钢 Stainless steel

T: 锌铝合金 (定制) Zn-Al Alloy



Ø16mm 定制马桶按钮

HBGQ16H-10/L/◎ (定制)



◎ 外壳材质 Shell material

N: 黄铜镀镍 Nickel plated brass

S: 不锈钢 Stainless steel

T: 锌铝合金 (定制) Zn-Al Alloy

