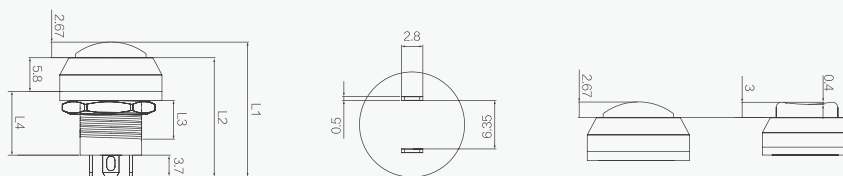


金属按钮开关 /Metal push button switch



外形尺寸 /Outline size



L1 值: 自复式为 23.07
自锁式为 26.27

L1 value: The Momentary is 23.07
The latching type is 26.27

L2 值: 自复式为 20.40
自锁式为 23.60

L2 value: The Momentary is 20.40
The latching type is 23.60

L3 值: 自复式为 6.62
自锁式为 8.38

L3 value: The Momentary is 6.62
The latching type is 8.38

L4 值: 自复式为 10.90
自锁式为 14.10

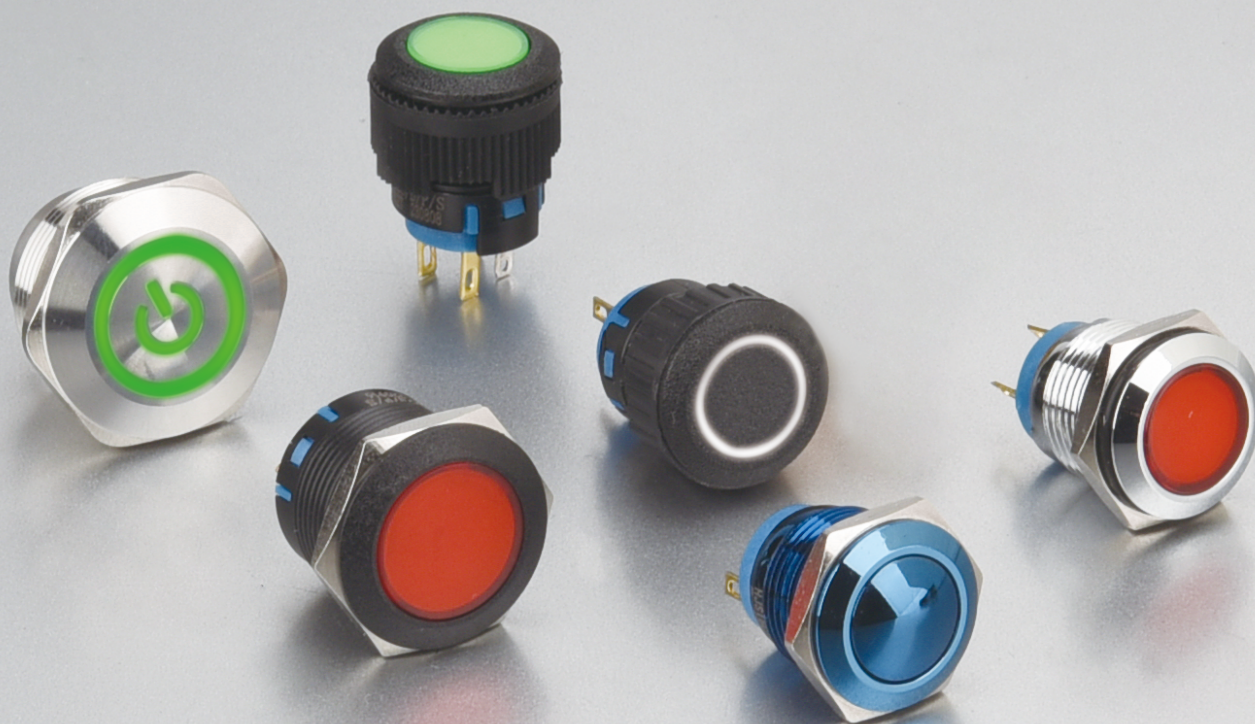
L4 value: The Momentary is 10.90
The latching type is 14.10

注: 可选按钮开孔直径 φ12mm

Note: Optional button opening diameter φ12mm



浙江瀚尚电气有限公司
ZHEJIANG HANSHANG ELECTRIC
CO., LTD.



16/19/22C SERIES

16C/19C/22C 系列按钮开关

16C/19C/22C series push button switch

防水 IP65/IP67，可直接在户外场景使用。
按钮表面可订制各种图案以区分开关功能。
短小的体积可满足更狭小的安装空间。

Waterproof IP65/IP67, can be used directly in outdoor scenes.
The button surface can be customized with various patterns to distinguish the switch function.
The small volume can meet the more narrow installation space.



抗震耐摔
shock-resistant



防水防尘
Waterproof and dustproof



安全实用
Safe and practical



品质保证
Quality assurance

型号说明 /Model description

企业代号 Business code	外壳材质 Housing material	安装孔尺寸 Mounting hole size	系列号 Serial number	触点结构 Contact structure	操作类型 Operation mode	带灯类型 With LED	头部形状 Head shape	接线类型 Wiring type	带灯颜色 LED color	带灯部分电压 LED voltage
H	铜镀镍 Nickel-plated brass	16 Φ16mm	C	10 1NO	Z 自锁 Latching	D1 点灯 Dot	Q 球形 Spherical	S 焊接脚 Welding pins	R 红 Red	AC/DC 3V
		19 Φ19mm			无 自复 Momentary	D2 环形灯 Ring	P 平头 Flat head		G 绿 Green	AC/DC 6V
		22 Φ22mm				D3 电源标识灯 Power icon	T 高平头 High flat head		Y 黄 Yellow	AC/DC 12V
	铝氧化 Aluminum oxide					D4 电源标识灯 加环形灯 Power icon with ring			B 蓝 Blue	AC/DC 24V
	不锈钢 Stainless steel								WT 白 White	AC/DC 36V
	塑料 Plastics									AC/DC 48V
										AC/DC 110V
										AC/DC 220V

Customize special patterns, please communicate with sales staff to confirm.

注：请仔细阅读产品具体说明后，根据不同符号在该表中选取相应代号。
定制特殊图案请与销售人员沟通确认。
外壳材料：黄铜镀铬、黄铜镀镍、不锈钢、铝氧化（彩色），下单请注明外壳材料，16C 默认为黄铜镀铬外壳，19C/22C 默认为不锈钢外壳。

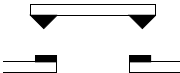
Note: Please read the specific description of the product carefully, and select the corresponding code in the table according to different symbols.
Customize special patterns, please communicate with sales staff to confirm.
Shell material: Chrome plated brass, brass nickel plating, stainless steel, aluminum oxidation (color), please indicate the shell material when placing an order, The 16C defaults to a Chrome plated brass housing and the 19C/22C defaults to a stainless steel case.

概述 /Summary

安装孔尺寸 Mounting hole size	Φ16mm 19mm 22mm
开关额定值 Switch rating	2A/36V
开关组合 Switch combinations	1NO
操作类型 Operation mode	自复式 / 自锁式 Momentary/latching
带灯方式 With LED	LED R Y G B W
防护等级 Protection level	IP65/IP67 IK10
头部颜色 Head color	R Y G B W BL
外壳材料 Housing material	不锈钢 / 黄铜（镀铬）/ 铝（氧化） brass chrome plating, stainless steel, aluminum oxidation (color),
头部材料 Head material	PC

工作环境温度 Operating ambient temperature	-25℃ ~+55℃（无冰冻）照明开关本体周围必须空气流通 -25° C~+55° C (no freezing) must be air circulation around the lighting switch body
工作环境湿度 Working environment humidity	45~85% RH(无结露) 45~85%RH (non-condensing)
接触电阻 Contact resistance	≤ 50mΩ
绝缘电阻 Insulation resistance	≥ 1000MΩ
最高耐压 Maximum withstand voltage	1500 伏 , 交流 50 赫兹 ,5 秒 1500 volts, 50 Hz AC, 5 seconds
耐振动性 Vibration resistance	大于 10g More than 10g
耐冲击性 Impact resistance	50 赫兹, 振幅约 1.2mm 50 Hz, amplitude about 1.2mm
焊锡热 Soldering heat	320℃时（或 30 瓦烙铁）不超过 2 秒 At 320° C (or 30 watts of soldering iron) no more than 2 seconds

开关结构说明 /Switch structure description

型式 Type	示意图 Schematic diagram	符号 Symbol
C		

说明：具有两个端子的双断点慢动触头开关。
 Description: Double break slow moving contact switch with two terminals.

性能特征 /Performance characteristics

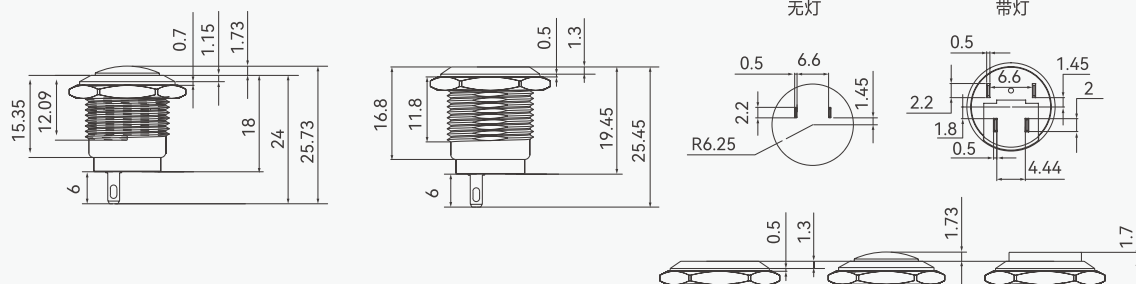
产品规格 Product specifications	HJ □ - □ / △ / ● / ☆	机械寿命 Mechanical life	100 万次以上 More than 1,000,000 times
头部形状 Head shape	球形 / 高平头 Spherical/High flat head	电气寿命 Electrical life	20 万次以上 More than 200,000 times
尾部配置 Bottom configuration	接线插片（2x6mm）Wiring pins (2×6mm)	面板厚度 Panel thickness	1~5mm
开关规格 Switch specifications	2A/36V	螺母扭矩 Nut torque	5~14Nm
接触电阻 Contact resistance	≤ 50mΩ	操作压力 Operating pressure	约 4N About 4N
绝缘电阻 Insulation resistance	≥ 1000MΩ	操作行程 Operation travel	约 1.5mm About 1.5mm
绝缘强度 Dielectric strength	1500VAC	材料 Material	基座 Pedestal PA
环境温度 Ambient temperature	-20℃ ~+55℃		外壳 Housing 不锈钢 / 黄铜 (镀铬)/PC Stainless steel/Brass (chrome plated)/PC
防护等级 Protection level	IP65/IP67 IK08		按键 Button PC/ 不锈钢 (镀铬)/ 不锈钢 PC/ Stainless steel (chrome plated)/ Stainless steel
	可定制 Customizable	触点 Contact point	镀金触点 Gold-plated contact
灯珠参数 LED specification	内置灯珠 Built-in lamp beads		
	灯珠颜色 LED color		
	额定电流 Ie Rated current Ie	3~48V 约 15mA 110~220V 约 2mA 3~48V about 15mA 110~220V about 2mA	
	额定电压 Ue Rated voltage Ue	3V/6V/12V/24V/36V/48V/110V/220V	
	灯珠寿命 LED life	40000 小时 40,000 hours	

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: If unidirectional DC LED lamp beads are required, they can be customized; Other voltage specifications can be customized as required.

金属按钮开关 /Metal push button switch



外形尺寸 /Outline size



注：可选按钮开孔直径 φ16、19、22mm

Note: Optional button opening diameter φ16、19、22mm

金属按钮开关 /Metal push button switch



φ16

HL16C □ /D/P/S



φ16

HL16C □ /D/T/S



φ19

HJ □ 19C □ /Q/S



φ19

HJ □ 19C □ /P/S



φ19

HJ □ 19C □ /T/S



φ19

HJ □ 19C □ /D2/P/S



φ19

HJ □ 19C □ /D2/T/S



φ19

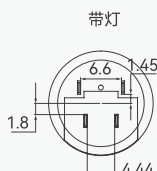
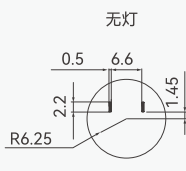
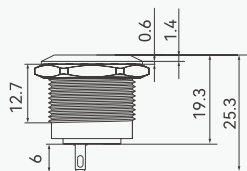
HJ □ 19C □ /D3/P/S



φ19

HJ □ 19C □ /D4/P/S

外形尺寸 /Outline size



注：可选按钮开孔直径 φ16、19、22mm
Note: Optional button opening diameter φ16、19、22mm

金属按钮开关 /Metal push button switch



φ22

HJ □ 22C □ /Q/S



φ22

HJ □ 22C □ /P/S



φ22

HJ □ 22C □ /T/S



φ22

HJ □ 22C □ /D2/P/S



φ22

HJ □ 22C □ /D2/T/S



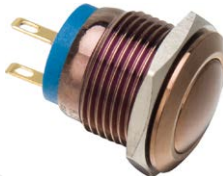
φ22

HJ □ 22C □ /D3/P/S



φ22

HJ □ 22C □ /D4/P/S



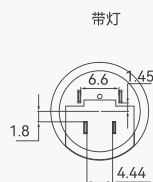
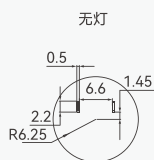
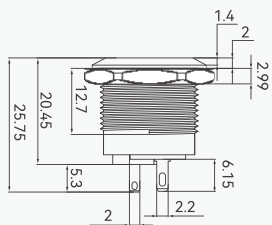
φ16

HJ □ 16C □ /Q/S 咖色
HJ □ 16C □ /Q/S Coffee color

φ16

HJ □ 16C □ /Q/S 蓝冰
HJ □ 16C □ /Q/S Blue ice

外形尺寸 /Outline size



注：可选按钮开孔直径 φ16、19、22mm

Note: Optional button opening diameter φ16、19、22mm



浙江瀚尚电气有限公司
ZHEJIANG HANSHANG ELECTRIC
CO., LTD.



D SERIES

D 系列按钮开关

D series button switch

金属外壳，防止使用过程中各种撞击产生的开关失效现象。

防水 IP65/IP67，可直接在户外场景使用。

按钮表面可订制各种图案以区分开关功能。

Metal shell to prevent switch failure caused by various impacts during use.

Waterproof IP65/IP67, can be used directly in outdoor scenes.

The button surface can be customized with various patterns to distinguish the switch function.



抗震耐摔
shock-resistant



防水防尘
Waterproof and dustproof



安全实用
Safe and practical



品质保证
Quality assurance

型号说明 /Model description

企业代号 Business code	外壳材质 Housing material	安装孔尺寸 Mounting hole size	系列号 Serial number	触点结构 Contact structure	操作类型 Operation mode	带灯类型 With LED	头部形状 Head shape	接线类型 Wiring type	带灯颜色 LED color	带灯部分电压 LED voltage
H	铜镀镍 Nickel-plated brass	19 Φ19mm	D	11 1NO 1NC 22 2NO 2NC	Z 自锁 Latching 无 自复 Momentary	D 面部大范围 Entire surface	P 平头 Flat head T 高头 High head	Q 插脚 Pins	R 红 Red G 绿 Green Y 黄 Yellow B 蓝 Blue WT 白 White	AC/DC 3V AC/DC 6V AC/DC 12V AC/DC 24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 220V
JU	铝氧化 Aluminum oxide					Customize special patterns, please communicate with sales staff to confirm.				
JA	不锈钢 Stainless steel									
JG										

注：请仔细阅读产品具体说明后，根据不同符号在该表中选取相应代号。

外壳材料：黄铜镀铬、黄铜镀镍、不锈钢、铝氧化（彩色），下单请注明外壳材料，HJS16A 默认为黄铜镀铬外壳，其余默认为不锈钢外壳。

Note: Please read the specific description of the product carefully, and select the corresponding code in the table according to different symbols.

Shell material: brass chrome plating, brass nickel plating, stainless steel, aluminum oxidation (color), please indicate the shell material when placing an order, HJS16A defaults to brass chrome housing, and the rest defaults to stainless steel housing.

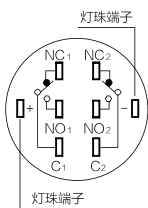
概述 /Summary

安装孔尺寸 Mounting hole size	Φ19mm
开关额定值 Switch rating	3A/36V
开关组合 Switch combinations	1NO 1NC/2NO 2NC
操作类型 Operation mode	自复式 / 自锁式 Momentary/Latching
头部形状 Head shape	平圆形 / 高头 Flat head/High flat head
外壳材料 Housing material	不锈钢 / 铝（氧化）黄铜镀铬 / 铜镀镍 Stainless steel/Aluminum (oxidized) brass plated with chromium/copper plated with nickel
带灯方式 With LED	面部大范围亮灯 Entire surface lights
防护等级 Protection level	IP65/IP67 IK09
灯珠类型 LED type	双向 LED 灯珠（交直流通用） Two way LED beads (AC and DC universal)
发光颜色 LED color	R Y G B W
灯珠寿命 LED life	40000 小时（参考值）
额定电压 Ue Rated voltage Ue	AC/DC6V,AC/DC12V, AC/DC110V AC/DC24V, AC/DC36V, AC/DC220V
额定电流 Ie Rated current Ie	5~48V 约 15mA; 110~250V 约 2mA 5~48V about 15mA; 110~250V about 2mA
降压方式 Voltage reduction method	内置电阻 Built-in resistance
灯珠等效 Beads equivalent	采用交直流通用的 LED 灯珠，接线端子无正负极区分；灯珠内置保护电阻，不需外接。 Using AC and DC universal LED lamp beads, the terminal has no positive and negative poles to distinguish the built-in protection resistance of the lamp beads, and does not need to be connected.
电路 Circuit	

开关结构说明 /Switch structure description

型式 Type	示意图 Schematic diagram	符号 Symbol
C		

引脚说明 /Pin description



最多可配置两组开关。

C、NO、NC 和 C、NO、NC 分别为一组开关；C 脚为公用脚，NO 脚为常开脚，NC 脚为常闭脚；+、- 脚为灯珠引脚，常规灯珠配置无正负极区分。灯珠与开关相对独立，可通过开关或外围电路控制灯珠状态。

Up to two sets of switches can be configured.

C, NO, NC and C, NO, NC are a set of switches; C foot is common foot, NO foot is normally open foot, NC foot is normally closed foot; +, - pins are lamp bead pins, and conventional lamp bead configuration has no positive and negative polar distinction. The lamp beads are relatively independent of the switch, and the lamp bead status can be controlled by the switch or peripheral circuit. Lamp bead terminals

性能特征 /Performance characteristics

产品规格 Product specifications		HJ □ □ A- □ ■ / □ / Q	机械寿命 Mechanical life	20 万次以上 More than 200,000 times	
绝缘强度 Dielectric strength		1500VAC	电气寿命 Electrical life	10 万次以上 More than 100,000 times	
绝缘电阻 Insulation resistance		≥ 1000MΩ	面板厚度 Panel thickness	1~10mm	
接触电阻 Contact resistance		≤ 50mΩ	螺母扭矩 Nut torque	5~14Nm	
开关规格 Switch specifications		3A/250V	操作压力 Operating pressure	3N~5N	
尾部配置 Bottom configuration		接线插片 (2.8×9mm) Wiring pins (2.8x9mm)	操作行程 Operation travel	约 3.1mm About 3.1mm	
头部形状 Head shape		高平头 / 平头 High head/Flat head	防护等级 Protection level	IP65/IP67 IK09	
环境温度 Ambient temperature		- 20℃ ~+55℃			
材料 Material	触点 Contact	纯银镀金 Sterling silver gilded	带灯部分 参数 LED parameter	灯珠类型 LED type	双向 LED 灯珠（交直流通用） Two way LED beads (AC and DC universal)
	按键 Button	不锈钢 / 黄铜镀铬 / 铝（氧化） Stainless steel / Chrome plated brass / aluminum (oxidized)			
	外壳 Pedestal	不锈钢 / 黄铜镀铬 / 铝（氧化） Stainless steel / Chrome plated brass / aluminum (oxidized)		额定电压 Ue Rated voltage Ue	3V / 6V / 12V / 24V /36V / 48V /110V / 220V
	基座 Pedestal	PBT		灯珠颜色 LED color	R Y G B W
RoHS		可定制 Customizable		灯珠寿命 LED life	40000 小时 40,000 hours

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: If unidirectional DC LED lamp beads are required, they can be customized; Other voltage specifications can be customized as required.

金属按钮开关 /Metal push button switch



φ16

HJ □ 16D/D- ▲ / △ / ☆ / ● / ◆ / ◇



φ16

HJ □ 16D/D- ▲ / △ / ☆ / ● / ◆ / ◇



φ19

HJ □ 19D/D- ▲ / △ / ☆ / ● / ◆ / ◇



φ19

HJ □ 19D/D- ▲ / △ / ☆ / ● / ◆ / ◇



φ19

HJ □ 19D/D- ▲ / △ / ☆ / ● / ◆ / ◇

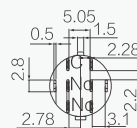
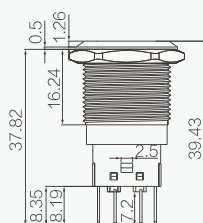


φ19

HJ □ 19D/D- ▲ / △ / ☆ / ● / ◆ / ◇

外形尺寸 /Outline size

HJS19D



带灯底座

注：可选按钮开孔直径 φ19mm

Note: Optional button opening diameter φ19mm





8/10E SERIES

8/10E 系列金属按钮开关

8/10E series push button switch

金属外壳，防止开关在使用过程中受到各种冲击而发生故障。
超小体积可以满足更小的安装空间

Metal shell to prevent switch failure caused by various impacts during use.
The ultra-small volume can meet the smaller installation space.



抗震耐摔
shock-resistant



防水防尘
Waterproof and dustproof



安全实用
Safe and practical

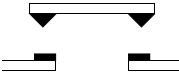


品质保证
Quality assurance

概述 /Summary

安装孔尺寸 Mounting hole size	Φ8、10mm
开关额定值 Switch rating	2A/36V
开关组合 Switch combinations	1NO
操作类型 Operation mode	自复式 Momentary
防护等级 Protection level	IP65, IK08
外壳材料 Housing material	不锈钢 / 黄铜 (镀镍) Stainless steel/brass nickel plated
工作环境温度 Operating ambient temperature	-25℃ ~+55℃ (无冰冻) 照明开关本体周围必须空气流通 -25° C~+55° C (no freezing) must be air circulation around the lighting switch body
工作环境湿度 Working environment humidity	45~85% RH(无结露) 45~85%RH (non-condensing)
接触电阻 Contact resistance	≤ 50mΩ
绝缘电阻 Insulation resistance	≥ 1000MΩ
最高耐压 Maximum withstand voltage	1500 伏, 交流 50 赫兹, 5 秒 1500 volts, 50 Hz AC, 5 seconds
耐振动性 Vibration resistance	50 赫兹, 振幅约 1.2mm 50 Hz, amplitude about 1.2mm
耐冲击性 Impact resistance	大于 10g More than 10g
焊锡热 Soldering heat	320℃时 (或 30 瓦烙铁) 不超过 2 秒 At 320° C (or 30 watts of soldering iron) no more than 2 seconds

开关结构说明 /Switch structure description

型式 Type	示意图 Schematic diagram	符号 Symbol
C		

说明：具有两个端子的双断点慢动触头开关。
Description: Double break slow moving contact switch with two terminals.

性能特征 /Performance characteristics

产品规格 Product specifications	HJ □ 8E	机械寿命 Mechanical life	100 万次以上 More than 1,000,000 times
头部形状 Head shape	球形 Spherical	电气寿命 Electrical life	20 万次以上 More than 200,000 times
尾部配置 Bottom configuration	接线插片 (1.5x5mm) Wiring pins (1.5×5mm)	面板厚度 Panel thickness	1~5mm
开关规格 Switch specifications	2A/36V	螺母扭矩 Nut torque	5~14mm
接触电阻 Contact resistance	≤ 50mΩ	操作压力 Operating pressure	约 4N About 4N
绝缘电阻 Insulation resistance	≥ 1000MΩ	操作行程 Operation travel	约 1.5mm About 1.5mm
绝缘强度 Dielectric strength	1500VAC	材料 Material	基座 Pedestal PA
环境温度 Ambient temperature	~20℃ ~+55℃		外壳 housing 不锈钢 / 黄铜 (镀镍) Stainless steel/brass (nickel plated)
防护等级 Protection level	IP65 IK08		按键 Button 不锈钢 Stainless steel
RoHS	可定制 Customizable	触点 Contact	镀银触点 Silver-plated contact

金属按钮开关 /Metal push button switch



φ8

HJ □ 8E



φ8

HJ □ 8E



φ8

HJ □ 8E



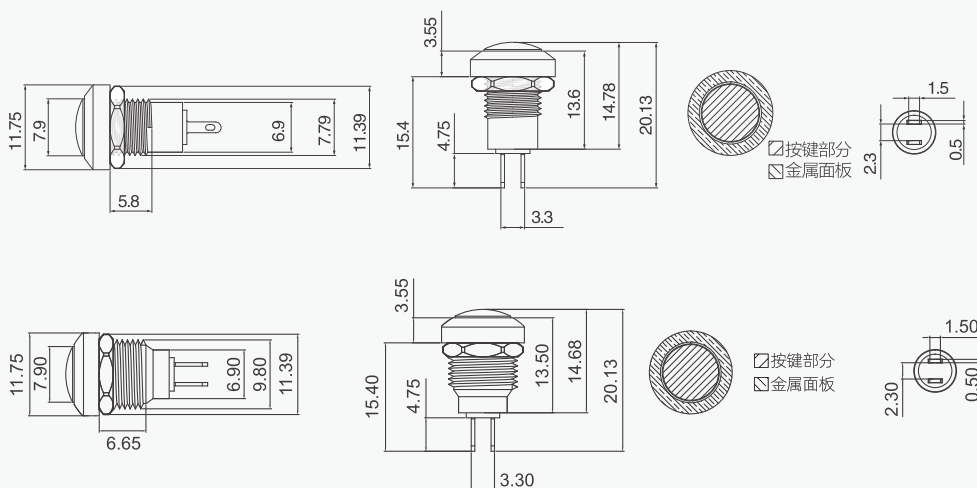
φ8

HJ □ 10E

更多产品信息请详询本公司!

For more product information, please contact our company!

外形尺寸 /Outline size



注: 可选按钮开孔直径 φ8、10mm

Note: Optional button opening diameter φ8、10mm



12E SERIES

12E 系列按钮开关

12E series push button switch

防水 IP65/IP67，可直接在户外场景使用。

按钮表面可订制各种图案以区分开关功能。

短小的体积可满足更狭小的安装空间。

Waterproof IP65/IP67, can be used directly in outdoor scenes.

The button surface can be customized with various patterns to distinguish the switch function.

The small volume can meet the more narrow installation space.



抗震耐摔
shock-resistant



防水防尘
Waterproof and dustproof



安全实用
Safe and practical



品质保证
Quality assurance

型号说明 /Model description

			-			/		/		/		/		/		/			
企业代号 Business code	外壳材质 Housing material	安装孔尺寸 Mounting hole size		系列号 Serial number	触点结构 Contact structure		操作类型 Operation mode		带灯类型 With LED		头部形状 Head shape		按键颜色 button color		接线类型 Wiring type		带灯颜色 LED color		带灯部分电压 LED voltage
H	JU 铜镀镍 Nickel-plated brass	12	Φ12mm	E	10	1NO	Z	自锁 Latching	D2	环形灯 Ring	P	平头 Flat head	R	红 Red	S	焊接脚 Welding pins	R	红 Red	AC/DC 3V
							无	自复 Momentary	D3	电源标识灯 ring with power indicator	T	高头 High head	G	绿 Green			G	绿 Green	AC/DC 6V
	JA 铝氧化 Aluminum oxide												Y	黄 Yellow			Y	黄 Yellow	AC/DC 12V
	JG 不锈钢 Stainless steel												B	蓝 Blue			B	蓝 Blue	AC/DC 24V
	L 塑料 Plastics												WT	白 White			WT	白 White	AC/DC 36V
Customize special patterns, please communicate with sales staff to confirm.																			

注：请仔细阅读产品具体说明后，根据不同符号在该表中选取相应代号。
定制特殊图案请与销售人员沟通确认。
外壳材料：黄铜镀铬、黄铜镀镍、不锈钢、铝氧化（彩色），下单请注明外壳材料，默认为黄铜镀铬外壳。

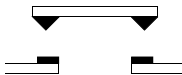
Note: Please read the specific description of the product carefully, and select the corresponding code in the table according to different symbols.
Customize special patterns, please communicate with sales staff to confirm.
Shell material: brass chrome plating, brass nickel plating, stainless steel, aluminum oxidation (color), please indicate the shell material when placing an order, The default is a brass chrome housing.

概述 /Summary

安装孔尺寸 Mounting hole size	Φ12mm
开关额定值 Mounting hole size	2A/36V
开关组合 Mounting hole size	1NO
操作类型 Operation mode	自复式 / 自锁式 Momentary/Latching
带灯方式 With LED	环形灯 / 环形带电源指示灯 / 电源指示灯 Ring /ring with power indicator light/Power indicator light
防护等级 Protection level	IP65/IP67 IK08
头部颜色 Head color	
外壳材料 Housing material	不锈钢 / 黄铜（镀铬）/ 铝（氧化） Brass chrome plating, stainless steel, aluminum oxidation
外壳材料 Housing material	PC

工作环境温度 Operating ambient temperature	-25℃ ~+55℃（无冰冻）照明开关本体周围必须空气流通 -25° C~+55° C (no freezing) must be air circulation around the Dot switch body
工作环境湿度 Working environment humidity	45~85% RH(无结露) 45~85%RH (non-condensing)
接触电阻 Contact resistance	≤ 50mΩ
绝缘电阻 Insulation resistance	≥ 1000MΩ
最高耐压 Maximum withstand voltage	1500 伏，交流 50 赫兹，5 秒 1500 volts, 50 Hz AC, 5 seconds
耐振动性 Vibration resistance	50 赫兹，振幅约 1.2mm 50 Hz, amplitude about 1.2mm
耐冲击性 Impact resistance	大于 10g More than 10g
焊锡热 Soldering heat	320℃时（或 30 瓦烙铁）不超过 2 秒 At 320° C (or 30 watts of soldering iron) no more than 2 seconds

开关结构说明 /Switch structure description

型式 Type	示意图 Schematic diagram	符号 Symbol
C		

说明：具有两个端子的双断点慢动触头开关。
Description: Double break slow moving contact switch with two terminals.

性能特征 /Performance characteristics

产品规格 Product specifications	HJ □ 12E- △ / ● / ☆ / ◇	机械寿命 Mechanical life	100 万次以上 More than 1,000,000 times
头部形状 Head shape	平圆形 / 高平圆形 Flat round/high Flat round	电气寿命 Electrical life	20 万次以上 More than 200,000 times
尾部配置 Bottom configuration	接线插片 (2.8×3.8mm) Wiring pins (2.8×3.8mm)	面板厚度 Panel thickness	1~5mm
开关规格 Switch specifications	2A/36V	螺母扭矩 Nut torque	5~14Nm
接触电阻 Contact resistance	≤ 50mΩ	操作压力 Operating pressure	约 4N About 4N
绝缘电阻 Insulation resistance	≥ 1000MΩ	操作行程 Operation travel	约 1.5mm About 1.5mm
绝缘强度 Dielectric strength	1500VAC	材料 Material	基座 Pedestal PA
环境温度 Ambient temperature	-25℃ ~+55℃		外壳 Housing 不锈钢 / 黄铜 (镀铬)/ 铝 (氧化) Stainless steel / brass (chrome plated) / aluminum (oxidized)
防护等级 Protection level	IP65/IP67 IK08		按键 Button PC/ 不锈钢 PC/Stainless stee
RoHS	可定制 Customizable	触点 Contact point	镀金触点 Gold-plated contact
灯珠参数 LED specification	内置灯珠 Built-in lamp beads		
	灯珠颜色 LED color		
	额定电流 Ie Rated current Ie	3~48V 约 15mA 110~220V 约 2mA 3~48V about 15mA 110~220V about 2mA	
	额定电压 Ue Rated voltage Ue	3V/6V/12V/24V/36V/48V/110V/220V	
	灯珠寿命 LED life	40000 小时 40,000 hours	

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: If unidirectional DC LED lamp beads are required, they can be customized; Other voltage specifications can be customized as required.

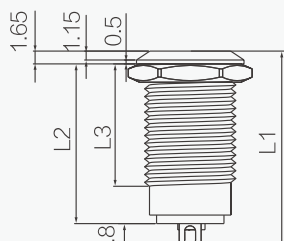
金属按钮开关 /Metal push button switch



更多产品信息
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For more product information,
please contact our company!

外形尺寸 /Outline size

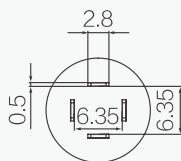


L1 值: 自复式为 23.07
自锁式为 26.27

L1 value: The Momentary is 23.07
The latching type is 26.27

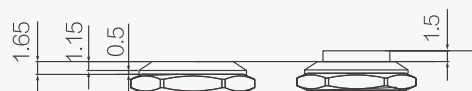
L2 值: 自复式为 20.40
自锁式为 23.60

L2 value: The Momentary is 20.40
The latching type is 23.60



L3 值: 自复式为 6.62
自锁式为 8.38

L3 value: The Momentary is 6.62
The latching type is 8.38



L4 值: 自复式为 10.90
自锁式为 14.10

L4 value: The Momentary is 10.90
The latching type is 14.10

注: 可选按钮开孔直径 φ12mm

Note: Optional button opening diameter φ12mm



16E SERIES

16E 系列按钮开关

16E series push button switch

防水 IP65/IP67，可直接在户外场景使用。

按钮表面可订制各种图案以区分开关功能。

短小的体积可满足更狭小的安装空间。

金属外壳，防止使用过程中各种撞击产生的开关失效现象。

Waterproof IP65/IP67, can be used directly in outdoor scenes.

The button surface can be customized with various patterns to distinguish the switch function.

The small volume can meet the more narrow installation space.

Metal shell to prevent switch failure caused by various impacts during use.



抗震耐摔
shock-resistant



防水防尘
Waterproof and dustproof



安全实用
Safe and practical



品质保证
Quality assurance

型号说明 /Model description

企业代号 Business code	外壳材质 Housing material	安装孔尺寸 Mounting hole size	系列号 Serial number	触点结构 Contact structure	操作类型 Operation mode	带灯类型 With LED	头部形状 Head shape	接线类型 Wiring type	带灯颜色 LED color	带灯部分电压 LED voltage
H	铜镀镍 Nickel-plated brass	16 Φ16mm	E	10 1NO	无 自复 Momentary	D2 环形灯 Ring	无 NO 平头 Flat head	S 焊接脚 Welding pins	R 红 Red	AC/DC 3V
JU	铝氧化 Aluminum oxide					D4 环形电源标识灯 Power icon with ring	T 高头 High Head		G 绿 Green	AC/DC 6V
JA	不锈钢 Stainless steel								Y 黄 Yellow	AC/DC 12V
JG	塑料 Plastics								B 蓝 Blue	AC/DC 24V
L									WT 白 White	AC/DC 36V
										AC/DC 48V
										AC/DC 110V
										AC/DC 220V

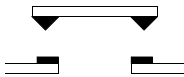
注：请仔细阅读产品具体说明后，根据不同符号在该表中选取相应代号。
定制特殊图案请与销售人员沟通确认。
外壳材料：黄铜镀铬、黄铜镀镍、不锈钢、铝氧化（彩色），下单请注明外壳材料，默认为黄铜镀铬外壳。

Note: Please read the specific description of the product carefully, and select the corresponding code in the table according to different symbols.
Customize special patterns, please communicate with sales staff to confirm.
Shell material: brass chrome plating, brass nickel plating, stainless steel, aluminum oxidation (color), please indicate the shell material when placing an order, The default is a brass chrome housing.

概述 /Summary

安装孔尺寸 Mounting hole size	Φ16mm	带灯方式 With LED	环形灯 / 环形带电源标识灯 Ring /Ring power supply Pattern light
开关额定值 Mounting hole size	2A/36V	防护等级 Protection level	不锈钢 / 黄铜 (镀铬)/ 铝 (氧化)
开关组合 Mounting hole size	1NO		Stainless steel / brass (chrome plated) / aluminum (oxidized)
操作类型 Operation mode	自复式 Momentary	外壳材料 Housing material	可定制 IP65/IP67 Customizable IP65/IP67

开关结构说明 /Switch structure description

型式 Type	示意图 Schematic diagram	符号 Symbol
X		

说明：具有两个端子的双断点慢动触头开关。
Description: Double break slow moving contact switch with two terminals.

性能特征 /Performance characteristics

产品规格 Product specifications	HJ □ 16- △ / △ / △	机械寿命 Mechanical life	100 万次以上 More than 1,000,000 times
头部形状 Head shape	平圆形 / 高平圆形 Flat round/high Flat round	电气寿命 Electrical life	20 万次以上 More than 200,000 times
尾部配置 Bottom configuration	接线插片 (2x5mm) Wiring pins (2×5mm)	面板厚度 Panel thickness	1~5mm
开关规格 Switch specifications	2A/36V	螺母扭矩 Nut torque	5~14Nm
接触电阻 Contact resistance	≤ 50mΩ	操作压力 Operating pressure	约 4N About 4N
绝缘电阻 Insulation resistance	≥ 1000MΩ	操作行程 Operation travel	约 1.5mm About 1.5mm
绝缘强度 Dielectric strength	1500VAC	材料 Material	基座 Pedestal PA
环境温度 Ambient temperature	-20℃ ~+55℃		外壳 Housing 不锈钢 / 黄铜 (镀铬)/ 铝 (氧化) Stainless steel / brass (chrome plated) / aluminum (oxidized)
防护等级 Protection level	IP65/IP67 IK08		按键 Button 不锈钢 / 不锈钢镀铬 / 铝 (氧化) Stainless steel/Stainless Steel Chrome/Aluminum (oxidized)
RoHS	可定制 Customizable	触点 Contact point	触点银合金 Gold-plated contact
灯珠参数 LED specification	内置灯珠 Built-in lamp beads		
	灯珠颜色 LED color	 可定制三色或双色灯 Three or two colors can be customized	
	额定电流 Ie Rated current Ie	3~48V 约 15mA 110~220V 约 2mA	
	额定电压 Ue Rated voltage Ue	3V/6V/12V/24V/36V/48V/110V/220V	
	灯珠寿命 LED life	40000 小时 40,000 hours	

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: If unidirectional DC LED lamp beads are required, they can be customized; Other voltage specifications can be customized as required.