


YUEQING DAHE ELECTRIC CO., LTD.

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 **国家高新技术企业**
National High-tech Enterprise


 Selection Guide
DaHe Push Button

Corporate Mission
 Provide high-quality products and services,
 to create China's high-quality switch brands

Corporate Vision
 Lead the industry to progress and create
 a better future together

Corporate Value
 Integrity and honesty, responsibility,
 meticulousness and rigour,
 innovation and sharing

Intelligent selection of Dahe by quality button

Established in 2003, Yueqing Dahe Electric Co., Ltd. (The abbreviation is CDOE) is a national high-tech enterprise specializing in the manufacture of high-quality push button switches, waterproof buttons, indicators, and buzzers. With more than 80 product original technology patents, passed the ISO9001 (quality), ISO14001 (environment), ISO45001 (health) three system certification, with CCC, CQC, CE, UL, RoHS, REACH, TUV, SGS and many other certification, becoming one of the choices of domestic high-end users.

After years of promotion and application, CDOE has widely served many industries such as new energy, robotics, rail transit, automation equipment, medical equipment, electric power, etc. Partners of well-known Fortune 500 companies such as medical care and Foxconn.

CDOE has always maintained the concept of "providing high-quality products and services, building a Chinese high-quality switch brand", and continues to provide you with high-quality products and perfect services.



(Factory)



(CNC workshop)



(Injection moulding workshop)



(Assembly workshop)



(Laboratory)



(Product Showroom)

2002

In Wenzhou, Zhejiang

2003

Officially registered in January
Registered Trademark CDOE for June and publicize it externally and participated in the China Electronics Fair in Wuhan
Achieved considerable results

2004

Acquired in May CCC certificate and a number of technical patents certification
CDOE series products have been rapidly recognized by the majority of users in China

2006

The company has obtained CE, RoHs and other certificates
Realization of R&D, production and sales full chain management

2008

Realization of refined production
Equipped with excellent production line

2010

At the same time to obtain the National Patent Office examination and approval of the 7 technology patent certification and certificate

2012

Introduction of application systems and fully automated equipment
Realization of automated production and technological breakthroughs and innovations
Participated in Electronica in Munich, Germany in the same year
Also established sales office in Italy

2013

Passed ISO9001:2008 quality management system certificate
And obtained IP67,IP68 waterproof rating certification
Participation in the Electronics Fair in Seoul, Korea
Established Korea office

2015

Successful CCC certification changeover
Re-acquired a number of CCC mandatory product certification certificates
Participated in the Hi-Tech Fair in Shenzhen and set up a Shenzhen office

2016

Passed the SGS test
And obtain the TUV certification, Reach certification and the United States UL urgent Canadian cUL certification
Participated in the Munich Electronics Fair in Germany and reached a consensus on cooperation with a number of internationally renowned enterprises
Sales offices in the Czech Republic, Spain, South Africa and other countries

2018

After a long period of research and development breakthroughs by the company's technical department
Up to 13 patents granted in one go
And get the certificate of Zhejiang Province Science and Technology Enterprise
In the same year, we participated in international exhibitions in Japan, India, the United States and other countries
Capturing international market share
Enhancement of the enterprise's influence in the international market

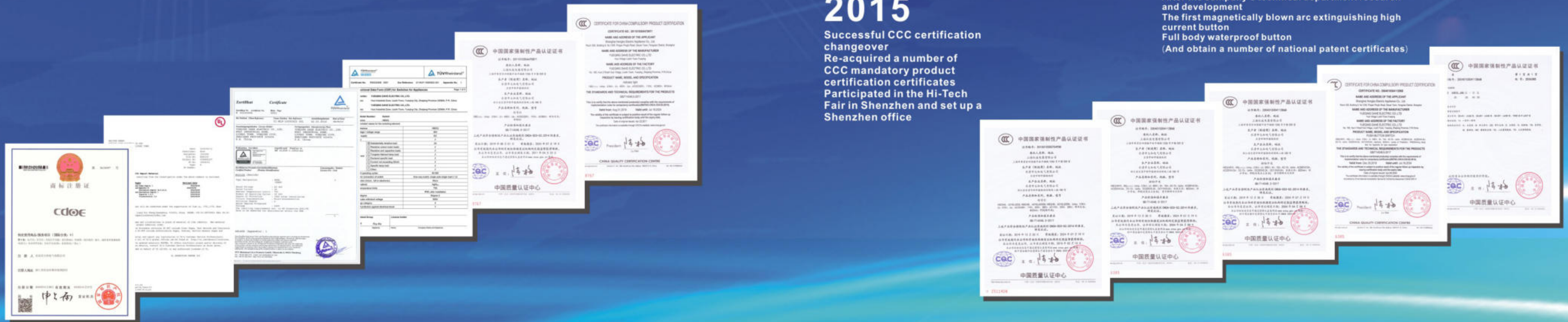
2019

After the company's technical department research and development
The first magnetically blown arc extinguishing high current button
Full body waterproof button
(And obtain a number of national patent certificates)

2023

Obtained a number of patents, including 3 patents for inventions, upgrading more professional and efficient ERP, laying a solid foundation for the "Industry 4.0" programme.

Create high quality Push Button switches
We've been working hard.



CONTENTS



IP intercom



Charging pos



Ship control



Rapid transit



Aviation equipment



Robot control



Automobile manufacturing



Medical equipment



Automation equipment

CDOE button is always sticking to the "wholehearted" service philosophy and the principle of "focus on custom-ers". It has systematically established the service system for the whole process of pre-sale, in-sale and after-sale. Based on the existing sales service network, it makes efforts to perfect customer relationship management by information-based means, and continuously provide tracing services for customers. Also, it collects timely market information to seize customers' requirement accurately and to provide them with omnidirectional individualized services.

Based on our sincere service faith, we established and are trying to realize the idea of "Customer-oriented". Customers' satisfaction is our most precious resource. CDOE button has a complete sales system all over the country; thus, distributors anywhere will provide you with high-quality products and perfect services at any time.

P03	Emergency Stop Button series
P04	Emergency Stop Button With Protective Cover Display
P05	Cabinet Stove Button
P05	Elevator Button
P06	HBDGQ Series High-intensity Resistance and Anti-vandal Waterproof Signal lamp
P07	HBDGQ Series High-intensity Resistance and Anti-vandal Waterproof Signa Lamp(with wires)
P08	HBDGQ Metal Buzzer/Flashing Buzzer Series
P09	HBDS1-D High Current Metal Push Button Switch
P10	D22 10A Series Metal Button High Current Metal Push button Series
P11	HBDGQ Metal Micro Switch(Ultra-thin)
P12	HBDGQ Metal Electronic Switch
P13	HBPS Series Metal Piezoelectric Switch
P14	HBDGQ Series High-intensity Resistance and Anti-vandal Waterproof Push Button Switch
P16	HBDS1-AGQ Series High-intensity Resistance and Anti-vandal Waterproof Push Button Switch
P19	HBDS1GQ Series High-intensity Resistance and Anti-vandal Waterproof Push Button Switch
P20	HBDS1-BGQ Series High-intensity Resistance and Anti-vandal Waterproof Push Button Switch
P21	HBDGQ Series High-intensity Resistance and Anti-vandal Waterproof Push Button Switch
P22	HBD-K20A、HBD-K20B Waterproof Push Button
P25	HBDY5(XB2/LAY5)Series Push Button Switch
P29	HBDS0(LA38) Series Push Button Switch
P32	HBDS1-A Series Push Button Switch
P33	HBDS1-B Series Push Button Switch
P34	HBDS1-AW Type Push Button Switch
P35	HBDS1-AW Type Push Button Switch
P36	HBDY5(XB2、LAY5) Series Push Button Switch
P37	HBDWN20 Rotary Switches
P37	HBDWN16 Rotary Switches
P37	Cross Switch
P37	HBD16 Series Indicator
P38	Control Button Box Series
P41	Push Button Accessory Series

Emergency Stop Switch Series

Ø16mm、Ø19mm、Ø22mm、Ø25mm、Ø30mm

Emergency Stop Switch Ø16mm



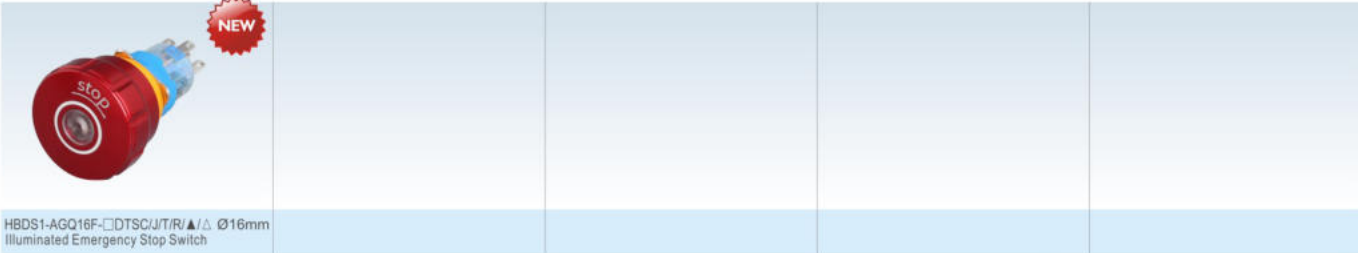
HBDS1-AGQ16F-□TSG/J/T/R/RESET Ø16mm Emergency Stop Switch
HBDS1-AGQ16F-□TSG/J/PC/H Ø16mm Emergency Stop Switch
HBDS1-AGQ16F-□TSG/J/PC/R Ø16mm Emergency Stop Switch
HBDS1-AY-□TSG Ø16mm Emergency Stop Switch



HBDS1-AY-□TSA Ø16mm Emergency Stop Switch
HBDS1-AY-□TSC Ø16mm Emergency Stop Switch
HBDS1-AY-□TSD Ø16mm Emergency Stop Switch
HBDS1-AY-□TSF Ø16mm Emergency Stop Switch
HBDS1-AGQ16F-□TSG/J/PC/R Ø16mm Emergency Stop Switch

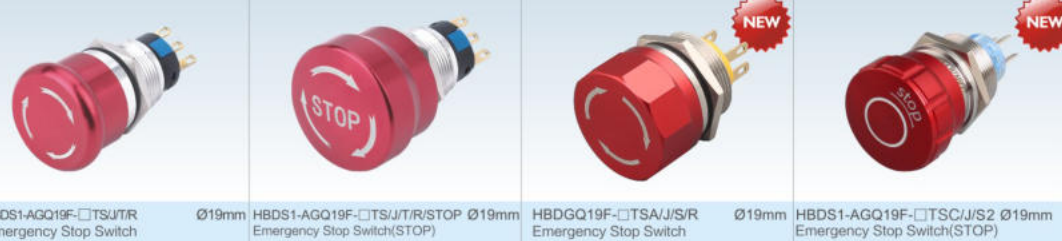


HBDS1-AGQ16H-□TSG/24 Ø16mm Emergency Stop Switch
HBDS1-AGQ16H-□TSG/32 Ø16mm Emergency Stop Switch
HBDS1-BY-□TSG(警示圈) Ø16mm Emergency Stop Switch
HBDS1-AGQ16F-□TSG/J/T/R/▲/△/RESET Ø16mm Illuminated Emergency Stop Switch
HBDS1-AGQ16F-□TSG/J/T/R Ø16mm Emergency Stop Switch



HBDS1-AGQ16F-□DTSC/J/T/R/▲/△ Ø16mm Illuminated Emergency Stop Switch

Emergency Stop Button Ø19mm



HBDS1-AGQ19F-□TSG/J/T/R Ø19mm Emergency Stop Switch
HBDS1-AGQ19F-□TSG/J/T/R/STOP Ø19mm Emergency Stop Switch(STOP)
HBDGQ19F-□TSA/J/S/R Ø19mm Emergency Stop Switch
HBDS1-AGQ19F-□TSG/J/S/2 Ø19mm Emergency Stop Switch(STOP)



HBDS1-AGQ19F-□DTSC/J/S/2/▲/△ Ø19mm Illuminated Emergency Stop Switch
HBDS1-D19C-11TSC/J/S Ø19mm Emergency Stop Switch(STOP)
HBDS1-D19C-11DTSC/J/S/▲/△ Ø19mm Illuminated Emergency Stop Switch

Emergency Stop Button Ø22mm、Ø25mm、Ø30mm



HBDS1-AGQ22F-□TSG/J/T/R Ø22mm Emergency Stop Switch(STOP)
HBDS1-AGQ22F-□TSG/J/T/R/STOP Ø22mm Emergency Stop Switch(STOP)
HBDS1-APY-□TSG Ø22mm Emergency Stop Switch
HBDGQ22F-□TSA/J/S/R Ø22mm Emergency Stop Switch



HBDS1-AGQ22F-□TSC/J/S/2 Ø22mm Emergency Stop Switch(STOP)
HBDS1-AGQ22F-□DTSC/J/S/2/▲/△ Ø22mm Illuminated Emergency Stop Switch
HBDS1-D22C-11TSC/J/S Ø22mm Emergency Stop Switch(STOP)
HBDS1-D22C-11DTSC/J/S/▲/△ Ø22mm Illuminated Emergency Stop Switch
HBDY5-KA-□TSD/R Ø22mm Emergency stop switch



HBD50-KA-□TSA/R Ø22mm Emergency stop switch(40)
HBD50-KA-□TSA/R(点阵工艺) Ø22mm Emergency stop switch(40)
HBD-K20A-□TSA/R Ø22mm Emergency stop switch(30)
HBD-K20A-□TSC/R Ø22mm Emergency stop switch(60)

Emergency stop button with protective cover display

Refer to page N for details of the protective cover



HBDS1-AGQ16F-□TSG/J/PC/H Ø16mm Form a complete set HBD-T12/1650 Protective cover
HBDS1-AGQ16F-□TSG/J/T/R/E-STOP Ø16mm Form a complete set HBD-T12/1650 Protective cover
HBDS1-AY-□TSG Ø16mm Form a complete set HBD-T11/1630 Protective cover
HBDS1-AY-□TSD Ø16mm Form a complete set HBD-T7/1645 Warning circle
HBDS1-AGQ22F-□TSG/J/T/R/STOP Ø22mm Form a complete set HBD-T24/2240 Protective cover



HBDS1-AGQ22F-□TSG/J/T/R Ø22mm Form a complete set HBD-T25/22 Protective cover
HBDS1-APY-□TSG Ø22mm Form a complete set HBD-T7/2240 Warning circle
HBDS1-APY-□TSG/▲/△ Ø22mm Form a complete set HBD-T26/22 Protective cover
HBDY5-KA-□TSD/R Ø22mm Form a complete set HBD-T7/2260 Warning circle
HBD50-KA-□TSA/R Ø22mm Form a complete set HBD-T31/22 Protective cover



HBD50-KA-□TSA/R Ø22mm Form a complete set HBD-T30/22 Protective cover
HBD-K20-□TSA/R Ø22mm Form a complete set HBD-T27/22 Protective cover
HBD-K20-□TSA/R Ø22mm Form a complete set HBD-T28/22 Protective cover
HBD-K20-□TSC/R Ø22mm Form a complete set HBD-T29/22 Protective cover

Cabinet stove button

NEW

Ø22mm



HBDGQ-D22C-20ET Y/S/Δ/▲ / Flat Round Ring illuminated PowerSymbol Ø22mm
HBDY5-KB-□/□/□/□/□/□/67 Ø22mm High head push button with LED
HBDS0-KB-□/□/□/□/□/□/67 Ø22mm Flat head push button with LED

Elevator button

NEW

Ø22mm



HBDY5-KA-□/□/□/□/□/□/67 Ø22mm Flat head push button
HBDY5-KA-□/□/□/□/□/□/67 W/U/V Ø22mm Flat head push button
HBDY5-KA-□/□/□/□/□/□/67 B/U/V Ø22mm Flat head push button
HBDS0-KA-□/□/□/□/□/□/67 Ø22mm Flat head push button
HBDS0-KA-□/□/□/□/□/□/67 W/U/V Ø22mm Flat head push button

Series Number	Mounting Hole Size	The Front Shape	Lamp Type	Terminal Type	Shell Material	Shell Custom Color	AC/DC LED Voltage	LED Color
HBDGQ	6:Ø6mm 8:Ø8mm 10:Ø10mm 12:Ø12mm 14:Ø14mm 16:Ø16mm 19:Ø19mm 22:Ø22mm 25:Ø25mm 30:Ø30mm	T: Flat G: Domed F: Flat Round DT: Big flat DG: Big domed	D: Dot LED E: Ring LED P: Plastic Cover SP: Painted Plastic Cover	J: Pin Terminal L: Screw Terminal Y: With Wires	N: Nickel-plated brass S: Stainless steel T: Aluminum alloy	No letters: Shell natural color Red Green Yellow Orange Blue Black	3V 6V 12V 24V 36V 110V 220V Other voltages can be customized	Red Green Yellow Orange Blue White Up to three colors of light (Tri-color) can be customized + : Common anode - : Common cathode

HBDGQ Series Anti-vandal Waterproof Signal lamp

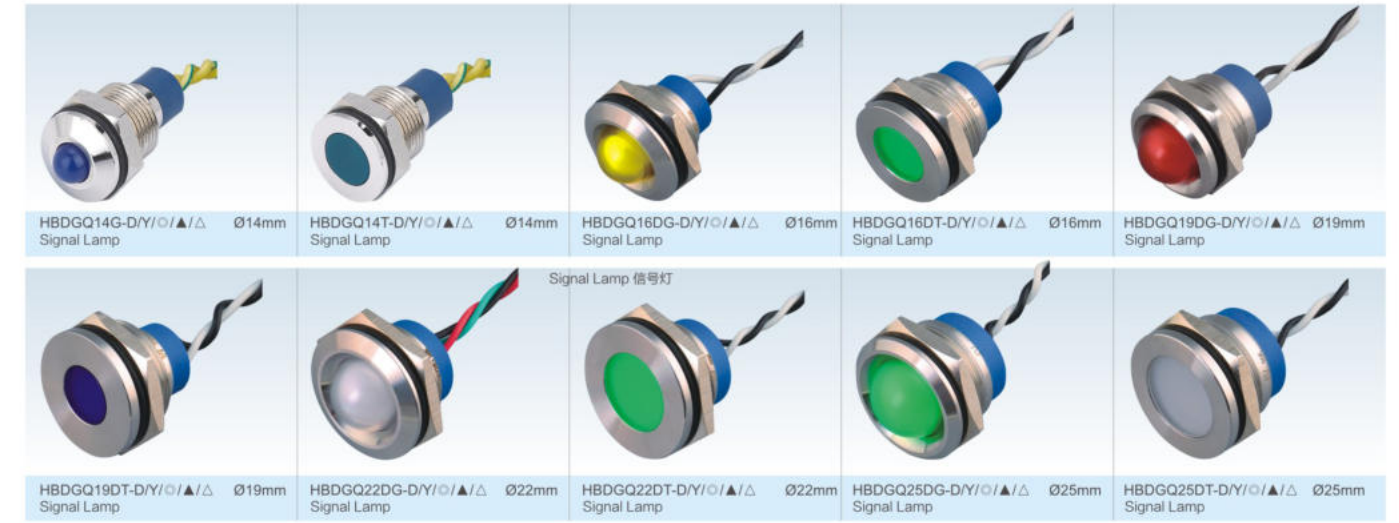
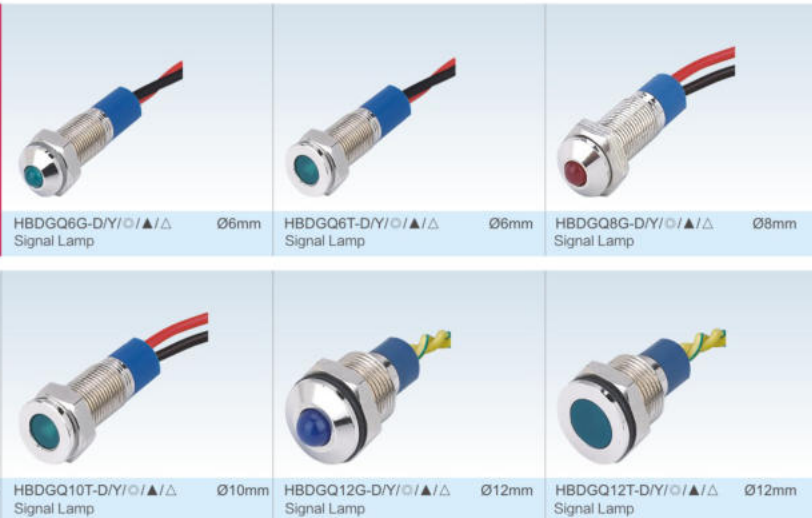
Customization: Aluminum alloy with color plating
Can be made into a bi-color light
Waterproof degree IP65



HBDGQ6G-D/J/□/▲/Δ Ø6mm Signal Lamp
HBDGQ8G-D/J/□/▲/Δ Ø8mm Signal Lamp
HBDGQ8F-D/J/□/▲/Δ Ø8mm Signal Lamp
HBDGQ10G-D/J/□/▲/Δ Ø10mm Signal Lamp
HBDGQ10T-D/J/□/▲/Δ Ø10mm Signal Lamp
HBDGQ12G-D/J/□/▲/Δ Ø12mm Signal Lamp
HBDGQ12T-D/J/□/▲/Δ Ø12mm Signal Lamp
HBDGQ12F-D/J/□/▲/Δ Ø12mm Signal Lamp
HBDGQ12F-E/J/□/▲/Δ Ø12mm Signal Lamp
HBDGQ14G-D/J/□/▲/Δ Ø14mm Signal Lamp
HBDGQ14T-D/J/□/▲/Δ Ø14mm Signal Lamp
HBDGQ16DG-D/J/□/▲/Δ Ø16mm Signal Lamp
HBDGQ16DT-D/J/□/▲/Δ Ø16mm Signal Lamp
HBDGQ16DG-E/J/□/▲/Δ Ø16mm Signal Lamp
HBDGQ16F-D/J/□/▲/Δ Ø16mm Signal Lamp
HBDGQ16F-E/J/□/▲/Δ Ø16mm Signal Lamp
HBDS1-AGQ16F-D/J/□/▲/Δ Ø16mm Signal Lamp
HBDS1-AGQ16F-E/J/□/▲/Δ Ø16mm Signal Lamp
HBDS1-AGQ16F-P/J/□/▲/Δ Ø16mm Signal Lamp



HBDGQ Series
High-intensity Resistance and Anti-vandal Waterproof Signal Lamp (with wires)
Customization:
Aluminum alloy with color plating
Can be made into a bi-color light
Waterproof degree IP67



Series Number	Mounting Hole Size	The Front Shape	Lamp Type	Terminal Type	Shell Material	Shell Custom Color	AC/DC LED Voltage	LED Color
HBDGQ	19:Ø19mm 22:Ø22mm	F: Flat Round G: Domed	M: Buzzer EM: Flash Buzzer EJM: Flash intermittent Buzzer	J: Pin Terminal L: Screw Terminal	N: Nickel-plated brass S: Stainless steel Anti-rotation customization: No letters: No anti-rotation customization 1: Single anti-rotation 2: Both side anti-rotation	No letters: Shell natural color Red Green Yellow Orange Blue Black	3V 6V 12V 24V 36V 110V 220V Other voltages can be customized	Red Green Yellow Orange Blue White

HBDGQ Series Metal Buzzer/Flashing buzzer Series

Ø19mm, Ø22mm



Series Number	Mounting Hole Size	The Front Shape	Contact Configuration	Lamp Type	Operation Type	Terminal Type	Shell Material	Shell Custom Color	AC/DC LED Voltage	LED Color
HBDS1-D	16:Ø16mm 19:Ø19mm 22:Ø22mm	C: Concave head F: Flat round	10: 1NO 11: 1NO 1NC	No letters: Without LED D: Dot LED E: Ring LED ET: Ring and power symbol LED F: Plastic Cover SP: Painted Plastic Cover	No letters: Momentary Z: Latching	J: Pin Terminal	S: Stainless steel PC: Engineering plastic Anti-rotation customization: No letters: No anti-rotation customization: 1: Single anti-rotation 2: Both side anti-rotation	No letters: Shell natural color Red Green Yellow Orange Blue White Black SK: Customized Color SW: Silver white PC	6-48V 220V Other voltages can be customized	Red Green Yellow Orange Blue White

Series Number	Mounting Hole Size	The Front Shape	Contact Configuration	Lamp Type	Operation Type	Terminal Type	Shell Material	Shell Custom Color	AC/DC LED Voltage	LED Color
HBDGQ-D	16:Ø16mm 19:Ø19mm 22:Ø22mm 25:Ø25mm 30:Ø30mm	C: Concave flat head	10: 1NO 20: 2NO	No letters: Without LED D: Dot LED E: Ring LED ET: Ring and power symbol LED P: Plastic Cover SP: Painted Plastic Cover	No letters: Momentary Z: Latching	Y: With wires	S: Stainless steel Anti-rotation customization: None: No anti-rotation customization: 1: Single anti-rotation 2: Both side anti-rotation	No letters: Shell natural color Red Green Yellow Orange Blue White Black	6V 12V-24V 110V 220V Other voltages can be customized	Red Green Yellow Orange Blue White

HBDS1-D 10A
High Current Metal Push Button Switch

NEW

Tri-color LED
6V-48V(Red/Green/Blue)
Single-color LED 220V

HBDS1-D16C-10 J/S 16mm Flat Round	HBDS1-D16C-10E J/S/▲/△ 16mm Flat Round Ring Illuminated	HBDS1-D16C-10ET J/S/▲/△ 16mm Flat Round Ring Illuminated PowerSymbol	HBDS1-D16C-11 J/S 16mm Flat Round	HBDS1-D16C-11E J/S/▲/△ 16mm Flat Round Ring Illuminated
HBDS1-D19C-10 J/S 19mm Flat Round	HBDS1-D19C-10E J/S/▲/△ 19mm Flat Round Ring Illuminated	HBDS1-D19C-10ET J/S/▲/△ 19mm Flat Round Ring Illuminated PowerSymbol	HBDS1-D19C-11 J/S 19mm Flat Round	HBDS1-D19C-11E J/S/▲/△ 19mm Flat Round Ring Illuminated
HBDS1-D19C-11ET J/S/▲/△ 19mm Flat Round Ring Illuminated PowerSymbol	HBDS1-D19C-11TSC J/S 19mm Emergency Stop Switch(STOP)	HBDS1-D19C-11DTSC J/S/▲/△ 19mm Illuminated Emergency Stop Switch	HBDS1-D22C-11 J/S 22mm Flat Round	HBDS1-D22C-11E J/S/▲/△ 22mm Flat Round Ring Illuminated
HBDS1-D22C-11ET J/S/▲/△ 22mm Flat Round Ring Illuminated PowerSymbol	HBDS1-D22F-11P J/PC/H 22mm Flat Round Dot Illuminated	HBDS1-D22F-11ET J/PC/H/▲/△ 22mm Flat Round Ring Illuminated PowerSymbol	HBDS1-D22F-11E J/PC/H/▲/△ 22mm Flat Round Ring Illuminated	HBDS1-D22F-11E J/PC/▲/△ 22mm Flat Round Ring Illuminated
HBDS1-D22F-11P J/PC/▲/△ 22mm Flat Round Dot Illuminated	HBDS1-D22F-11ET J/PC/▲/△ 22mm Flat Round Ring Illuminated PowerSymbol	HBDS1-D22C-11TSC J/S 22mm Emergency Stop Switch(STOP)	HBDS1-D22C-11DTSC J/S/▲/△ 22mm Illuminated Emergency Stop Switch	

D22 10A
SERIES METAL BUTTON
High Current Metal Push button Series

NEW

Full body waterproof
Waterproof degree IP6

HBDGQ-D16C-10 J/S 16mm Flat Round	HBDGQ-D16C-10E J/S/▲/△ 16mm Flat Round Ring Illuminated PowerSymbol	HBDGQ-D19C-20 J/S 19mm Flat Round	HBDGQ-D19C-20E J/S/▲/△ 19mm Flat Round Ring Illuminated	HBDGQ-D19C-20ET J/S/▲/△ 19mm Flat Round Ring Illuminated PowerSymbol	HBDGQ-D22C-20 J/S 22mm Flat Round
HBDGQ-D22C-20D J/S/▲/△ 22mm Flat Round Dot Illuminated	HBDGQ-D22C-20E J/S/▲/△ 22mm Flat Round Ring Illuminated	HBDGQ-D22C-20ET J/S/▲/△ 22mm Flat Round Ring Illuminated PowerSymbol	HBDGQ-D25C-20E J/S/▲/△ 25mm Flat Round Ring Illuminated	HBDGQ-D30C-20E J/S/▲/△ 30mm Flat Round Ring Illuminated	
HBDGQ-D22C-20ET J/S/▲/△ 22mm Flat Round Ring Illuminated PowerSymbol					

Series Number	Mounting Hole Size	The Front Shape	Contact Configuration	Operation Stroke	Lamp Type	Terminal Type	Shell Material	Shell Custom Color	AC/DC LED Voltage	LED Color
HBDGQ	12:Ø12mm 16:Ø16mm 19:Ø19mm 22:Ø22mm 25:Ø25mm 30:Ø30mm 35:Ø35mm	F: Flat round head H: High flat round head C: Concave head P: Hyperplane head	10:1NO 11:1NO1NC	W: Ultra-short stroke	No letters Without LED E: Ring LED ET: Ring and power symbol LED	J: Pin Terminal L: Screw Terminal P: With wires (Terminal + wires) Y: With wires	N: Nickel-plated brass S: Stainless steel T: Aluminum alloy	No letters: Shell natural color Red Green Yellow Orange Blue Black	3V 6V 12V 24V 36V 110V 220V Other voltages can be customized	Red Yellow Green Orange White Blue Customization up to four-color light + Common anode - Common cathode

HBDGQ22F-10WE/P/S/▲/△ Ø22mm Flat Round Ring Illuminated	HBDGQ22PF-10WE/P/S/▲/△ Ø22mm Flat Round Ring Illuminated	HBDGQ16F-10WE/Y/S/▲/△ Ø16mm Flat Round Ring Illuminated	HBDGQ19F-10WE/Y/S/▲/△ Ø19mm Flat Round Ring Illuminated	HBDGQ22F-10WE/Y/S/▲/△ Ø22mm Flat Round Ring Illuminated
HBDGQ35F-10WE/P/▲/△/○ Ø35mm Flat Round Ring Illuminated	HBDGQ35SF-10WE/P/▲/△/○(SOS) Ø35mm Flat Round Ring Illuminated	HBDGQ35SF-10WE/P/▲/△/○(求助) Ø35mm Flat Round Ring Illuminated		

HBDGQ Metal micro switch(Ultra-thin)

Can be made into multi-color lamps
Bi-color lights
Tri-color lights
Four-color lights

HBDGQ12SF-10W/J/S Ø12mm Flat Round	HBDGQ12SH-10W/J/S Ø12mm High Round	HBDGQ12SF-10WE/J/S/▲/△ Ø12mm Flat Round Ring Illuminated
HBDGQ16SF-10W/J/S Ø16mm Flat Round 平圆形	HBDGQ16SF-10WE/J/S/▲/△ Ø16mm Flat Round Ring Illuminated	HBDGQ16SF-10WET/J/S/▲/△ Ø16mm Flat Round Ring Illuminated PowerSymbol
HBDGQ19SF-10W/J/S Ø19mm Flat Round	HBDGQ19SF-10WE/J/S/▲/△ Ø19mm Flat Round Ring Illuminated	HBDGQ19SF-10WET/J/S/▲/△ Ø19mm Flat Round Ring Illuminated PowerSymbol
HBDGQ22SF-10WE/J/S/▲/△ Ø22mm Flat Round Ring Illuminated	HBDGQ25SF-10WE/J/S/▲/△ Ø25mm Flat Round Ring Illuminated	HBDGQ30SF-10WE/J/S/▲/△ Ø30mm Flat Round Ring Illuminated
HBDGQ19F-11W/J/S Ø19mm Flat Round	HBDGQ19F-11WE/J/S/▲/△ Ø19mm Flat Round Ring Illuminated	HBDGQ22F-10WE/J/S/▲/△ Ø22mm Flat Round Ring Illuminated
HBDGQ19F-11WE/J/S/▲/△ Ø19mm Flat Round Ring Illuminated	HBDGQ11E/K/J/○ Ø19mm Flat Round Ring Illuminated	HBDGQ16F-11E/K/J/○/△ Ø16mm Flat Round Ring Illuminated
HBDGQ22C-11WE/J/S/▲/△ Ø22mm Flat Round Ring Illuminated	HBDGQ25C-11WE/J/S/▲/△ Ø25mm Flat Round Ring Illuminated	HBDGQ30C-11WE/J/S/▲/△ Ø30mm Flat Round Ring Illuminated
HBDGQ19F-10W/P/S Ø19mm Flat Round	HBDGQ19F-10WE/P/S/▲/△ Ø19mm Flat Round Ring Illuminated	

Series Number	Mounting Hole Size	The Front Shape	Contact Configuration	Lamp Type	Switch Type	Operation Type	Terminal Type	Shell Material	Shell Custom Color	AC/DC LED Voltage	LED Color
HBDGQ	10:Ø10mm 12:Ø12mm 16:Ø16mm 19:Ø19mm	F: Flat round head H: High flat round head D: Domed	11:1NO1NC	No letters: Without LED E: Ring LED ET: Ring and power symbol LED	K: Electronic switch	No letters: Momentary Z: Latching	J: Pin Terminal	N: Nickel-plated brass S: Stainless steel T: Aluminum alloy	No letters: Shell natural color Red Green Yellow Orange Blue Black	3V 6V 12V 24V 36V 110V 220V Other voltages can be customized	Red Green Yellow Orange Blue White

HBDGQ METAL ELECTRONIC SWITCH

HBDGQ10F-11 Ø10mm Flat Round	HBDGQ10H-11 Ø10mm High Round	HBDGQ12F-11 Ø12mm Flat Round
HBDGQ12H-11 Ø12mm High Round	HBDGQ12B-11 Ø12mm Domed	HBDGQ16H-11 Ø16mm High Round
HBDGQ16F-11 Ø16mm Flat Round	HBDGQ16F-11E Ø16mm Flat Round Ring Illuminated	HBDGQ16F-11E Ø16mm Flat Round Ring Illuminated
HBDGQ16F-11ET Ø16mm Flat Round Ring Illuminated Power Symbol		

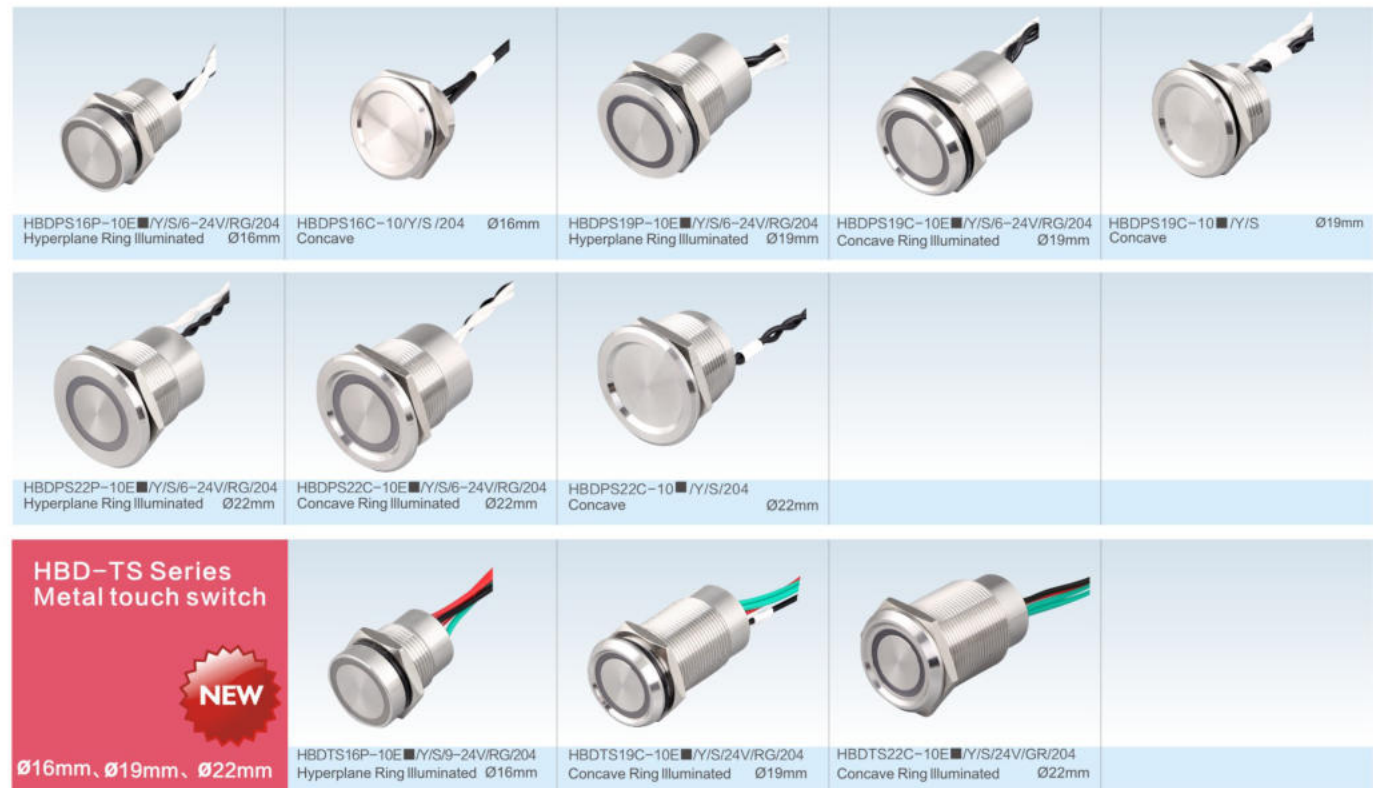
Series Number	Mounting Hole Size	The Front Shape	Contact Configuration	Lamp Type	Operation Type	Terminal Type	Shell Material	Shell Custom Color	AC/DC LED Voltage	LED Color
HBDPS	16:Ø16mm 19:Ø19mm 22:Ø22mm	F: Flat round head C: Concave head	10: 1NO	No letters: Without LED E: Ring LED	No letters: Momentary Z: Latching	Y: With wires	S: Stainless steel T: Aluminum alloy Anti-rotation customization: No anti-rotation 1: Single anti-rotation 2: Both side anti-rotation	No letters: Shell natural color Red Green Yellow Orange Blue White Black	6V 12V-24V 110V 220V Other voltages can be customized	Red Green Yellow Orange Blue White

Series Number	Mounting Hole Size	The Front Shape	Contact Configuration	Lamp Type	Operation Type	Terminal Type	Shell Material	Shell Custom Color	AC/DC LED Voltage	LED Color
HBDGQ	12:Ø12mm 16:Ø16mm 19:Ø19mm 22:Ø22mm 25:Ø25mm	F: Flat head C: Concave head B: Domed head M: Mushroom head PF: Hyperplane	10: 1NO 01: 1NC	No letters: Without LED D: Dot LED E: Ring LED DT: Dot LED with Power symbol ET: Ring LED with Power Symbol	No letters: Momentary Z: Latching	J: Pin terminal L: Screw terminal	N: Nickel-plated brass S: Stainless steel A: zinc alloy T: Aluminum alloy PA: Nylon Anti-rotation customization: No anti-rotation 1: Single anti-rotation 2: Both side anti-rotation	No letters: Shell natural color Red Green Yellow Orange Blue Black	3V 6V 12V 24V 36V 110V 220V Other voltages can be customized	Red Green Yellow Orange Blue White

HBDPS

HBPS Series Metal Piezoelectric Switch

Ø16mm
Ø19mm
Ø22mm





Series Number	Mounting Hole Size	The Front Shape	Contact Configuration	Lamp Type	Operation Type	Operating Position	Terminal Type	Shell Material	Shell Custom Color	AC/DC LED Voltage	LED Color
HBDS1-AGQ	16: Ø16mm 19: Ø19mm 22: Ø22mm 25: Ø25mm 28: Ø28mm 30: Ø30mm 35: Ø35mm 40: Ø40mm	F: Flat head C: Concave head B: Domed head M: Mushroom head PF: Hyperplane	11:1NO1NC 22:2NO2NC	No letters: Without LED D: Dot LED DT: Power symbol LED E: Ring LED ET: Ring and power symbol LED DC: Translucent Customized Symbol EC: Ring LED with Translucent Customized Symbol P: Plastic Cover SP: Painted Plastic Cover	No letters: Momentary Z: Latching X: Selector switch XD: Selector switch with LED Y: Key switch TB: Emergency stop switch	Operating position of the selector switch and key switch 21: Two position Maintained type 31: Three position Maintained type	J: Pin terminal	N: Nickel plated brass S: Stainless steel T: Aluminum alloy PC: Engineering plastic	No letters: Shell natural color R: Red G: Green Y: Yellow O: Orange B: Blue W: White	3V 6V 12V 24V 36V 110V 220V Other voltages can be customized	Up to three colors of light; Tri-color can be customized + Common anode - Common cathode

HBDS1-AGQ Series
Anti-vandal Waterproof Push Button Switch
φ16mm、φ19mm、φ22mm、φ25mm、φ30mm
Customization: Color-plated aluminum alloy
Can be made into a bi-color light, Can be made into a tri-color light
Waterproof degree IP67



HBDS1-AGQ16H-□■/J/○ Ø16mm High Round	HBDS1-AGQ16F-□□■/J/○/▲/△ Ø16mm Flat Round Dot Illuminated	HBDS1-AGQ16H-□□■/J/○/▲/△ Ø16mm High Round Dot Illuminated	HBDS1-AGQ16F-□□■/J/○/▲/△ Ø16mm Flat Round Ring Illuminated	HBDS1-AGQ16H-□□■/J/○/▲/△ Ø16mm High Round Ring Illuminated
HBDS1-AGQ16F-□DT■/J/○/▲/△ Ø16mm Flat Round Illuminated Power Symbol	HBDS1-AGQ16H-□DT■/J/○/▲/△ Ø16mm High Round Illuminated Power Symbol	HBDS1-AGQ16F-□ET■/J/○/▲/△ Ø16mm Flat Round Ring Illuminated Power Symbol	HBDS1-AGQ16H-□ET■/J/○/▲/△ Ø16mm High Round Ring Illuminated Power Symbol	HBDS1-AGQ16F-□P■/J/○/▲/△ Ø16mm Flat Round Plastic Cover
HBDS1-AGQ16F-□SP■/J/○/▲/△ Ø16mm Flat Circular Plastic Laser Cover	HBDS1-AGQ16F-□TS/J/T/RESET Ø16mm Emergency Stop Switch	HBDS1-AGQ16F-□DTS/J/T/R/▲/△/RESET Ø16mm Illuminated Emergency Stop Switch	HBDS1-AGQ16F-□TSC/J/T/R Ø16mm Emergency Stop Switch	HBDS1-AGQ16F-□DTSC/J/T/R/▲/△ Ø16mm Illuminated Emergency Stop Switch
HBDS1-AGQ16F-□P■/J/PC/▲/△ Ø16mm Flat Round Head Lamp	HBDS1-AGQ16F-□P■/J/PC/▲/△ Ø16mm Flat Round Head Lamp	HBDS1-AGQ16F-□E■/J/PC/▲/△ Ø16mm Flat Round Ring Illuminated	HBDS1-AGQ16F-□SP■/J/PC/▲/△ Ø16mm Flat Round Illuminated Power Symbol	HBDS1-AGQ16F-□XD■/J/PC/▲/△ Ø16mm Selector Switch
HBDS1-AGQ16F-□XA■/J/PC/▲/△ Ø16mm Selector Switch	HBDS1-AGQ16F-□X■/J/PC/H Ø16mm Selector Switch	HBDS1-AGQ16F-□Y■/J/PC Ø16mm Key Switch	HBDS1-AGQ16F-□TS/J/PC/H Ø16mm Emergency Stop Switch	HBDS1-AGQ16F-□TS/J/PC/R Ø16mm Emergency Stop Switch
HBDS1-AGQ16F-□TSG/J/PC/R Ø16mm Emergency Stop Switch	HBDS1-AGQ16H-□TS/24 Ø16mm Emergency Stop Switch	HBDS1-AGQ16H-□TS/32 Ø16mm Emergency Stop Switch	HBDS1-AGQ19F-□■/J/○ Ø19mm Flat Round	HBDS1-AGQ19F-□DC■/J/○/▲/△ Ø19mm Flat Round Custom Pattern Light transmittable
HBDS1-AGQ19H-□■/J/○ Ø19mm High Round	HBDS1-AGQ19F-□□■/J/○/▲/△ Ø19mm Flat Round Dot Illuminated	HBDS1-AGQ19H-□□■/J/○/▲/△ Ø19mm High Round Dot Illuminated	HBDS1-AGQ19F-□□■/J/○/▲/△ Ø19mm Flat Round Ring Illuminated	HBDS1-AGQ19H-□□■/J/○/▲/△ Ø19mm High Round Ring Illuminated

HBDS1-AGQ19F-□DT■/J/○/▲/△ Ø19mm Flat Round Illuminated Power Symbol	HBDS1-AGQ19H-□DT■/J/○/▲/△ Ø19mm High Round Illuminated Power Symbol	HBDS1-AGQ19F-□ET■/J/○/▲/△ Ø19mm Flat Round Ring Illuminated Power Symbol	HBDS1-AGQ19F-□SP■/J/○/▲/△ Ø19mm Flat Circular Plastic Laser Cover	HBDS1-AGQ19F-□P■/J/○/▲/△ Ø19mm Flat Round Plastic Cover
HBDS1-AGQ19F-□XD■/J/○/▲/△ Ø19mm Selector Switch	HBDS1-AGQ19F-□Y■/J/○ Ø19mm Key Switch	HBDS1-AGQ19F-□TS/J/T/R(小头) Ø19mm Emergency Stop Switch	HBDS1-AGQ19F-□TS/J/T/R/STOP Ø19mm Emergency Stop Switch(STOP)	HBDS1-AGQ19F-□TSC/J/S/2 Ø19mm Emergency Stop Switch(STOP)
HBDS1-AGQ19F-□DTSC/J/S/2/▲/△ Ø19mm Illuminated Emergency Stop Switch	HBDS1-AGQ19F-□■/J/PC/▲/△ Ø19mm Flat Round	HBDS1-AGQ22F-□■/J/○ Ø22mm Flat Round	HBDS1-AGQ22F-□DC■/J/○/▲/△ Ø22mm Flat Round Custom Pattern Light transmittable	HBDS1-AGQ22F-□■/J/○/▲/△ Ø22mm Flat Round Ring Illuminated
HBDS1-AGQ22F-□DT■/J/○/▲/△ Ø22mm Flat Round Illuminated Power Symbol	HBDS1-AGQ22F-□ET■/J/○/▲/△ Ø22mm Flat Round Ring Illuminated Power Symbol	HBDS1-AGQ22F-□P■/J/○/▲/△ Ø22mm Flat Round Plastic Cover	HBDS1-AGQ22F-□SP■/J/○/▲/△ Ø22mm Flat Circular Plastic Laser Cover	HBDS1-AGQ22F-□XD■/J/○/▲/△ Ø22mm Selector Switch
HBDS1-AGQ22F-□Y■/J/○ Ø22mm Key Switch	HBDS1-AGQ22M-□■/J/○+ Ø22mm Mushroom Head Pushbuttons	HBDS1-AGQ22F-□TS/J/T/R/STOP Ø22mm Emergency Stop Switch(STOP)	HBDS1-AGQ22F-□TSC/J/S/2 Ø22mm Emergency Stop Switch(STOP)	HBDS1-AGQ22F-□DTSC/J/S/2/▲/△ Ø22mm Illuminated Emergency Stop Switch
HBDS1-AGQ22F-□DTS/J/T/2/▲/△ Ø22mm Illuminated Emergency Stop Switch	HBDS1-AGQ22F-□TSF/J/T/R Ø22mm Emergency Stop Switch(STOP)	HBDS1-AGQ22F-□TSCN/T/2 Ø22mm Emergency Stop Switch(STOP)	HBDS1-AGQ22F-□P■/J/SPC/▲/△ Ø22mm Flat Round	HBDS1-AGQ25F-□■/J/○ Ø25mm Flat Round
HBDS1-AGQ25F-□■/J/○/▲/△ Ø25mm Flat Round Ring Illuminated	HBDS1-AGQ25F-□ET■/J/○/▲/△ Ø25mm Flat Round Ring Illuminated Power Symbol	HBDS1-AGQ30F-□■/J/○ Ø30mm Flat Round	HBDS1-AGQ30F-□■/J/○/▲/△ Ø30mm Flat Round Ring Illuminated	HBDS1-AGQ30F-□ET■/J/○/▲/△ Ø30mm Flat Round Ring Illuminated Power Symbol



HBDS1-AQ035F-□E■/J/0/▲/△ Flat Round Ring Illuminated Ø35mm

Series Number	Mounting Hole Size	The Front Shape	Contact Configuration	Lamp Type	Operation Type	Terminal Type	Shell Material	Shell Custom Color	AC/DC LED Voltage	LED Color
HBDS1GQ	19:Ø19mm 22:Ø22mm 25:Ø25mm 30:Ø30mm	F: Flat head H: High flat round head	11: 1NO1NC	No letters: Without LED D: Dot LED E: Ring LED ET: Ring LED with Power Symbol	No letters: Momentary Z: Latching	J: Pin terminal L: Screw terminal	N: Nickel-plated brass S: Stainless steel T: Aluminum alloy Anti-rotation customization: No letters: No anti-rotation customization 1: Single anti-rotation 2: Both side anti-rotation	No letters: Shell natural color R: Red G: Green Y: Yellow O: Orange B: Blue W: White Black	6V 12V 24V 36V 110V 220V Other voltages can be customized	R: Red G: Green Y: Yellow O: Orange B: Blue W: White

HBDS1GQ Series

Anti-vandal Waterproof Push Button Switch

Customization:
Color-plated aluminum alloy
Waterproof degree IP67



HBDS1GQ19F-11■/J/S/ Flat Round Ø19mm
HBDS1GQ19F-11■/L/S/ Flat Round Ø19mm
HBDS1GQ19F-11D■/J/S/▲/△ Flat Round Dot Illuminated Ø19mm



HBDS1GQ19F-11D■/L/S/▲/△ Flat Round Dot Illuminated Ø19mm
HBDS1GQ19F-11E■/J/S/▲/△ Flat Round Ring Illuminated Ø19mm
HBDS1GQ19F-11E■/L/S/▲/△ Flat Round Ring Illuminated Ø19mm
HBDS1GQ19H-11E■/J/S/▲/△ High Round Ring Illuminated Ø19mm
HBDS1GQ19H-11E■/L/S/▲/△ High Round Ring Illuminated Ø19mm



HBDS1GQ19F-11ET■/L/S/▲/△ Flat Round Ring Illuminated PowerSymbol Ø19mm
HBDS1GQ19F-11ET■/J/S/▲/△ Flat Round Ring Illuminated PowerSymbol Ø19mm
HBDS1GQ22F-11■/J/S/ Flat Round Ø22mm
HBDS1GQ22F-11■/L/S/ Flat Round Ø22mm
HBDS1GQ22F-11E■/J/S/▲/△ High Round Ring Illuminated Ø22mm



HBDS1GQ22F-11E■/L/S/▲/△ High Round Ring Illuminated Ø22mm
HBDS1GQ22H-11E■/J/S/▲/△ High Round Ring Illuminated Ø22mm
HBDS1GQ22H-11E■/L/S/▲/△ High Round Ring Illuminated Ø22mm
HBDS1GQ22F-11ET■/J/S/▲/△ Flat Round Ring Illuminated PowerSymbol Ø22mm
HBDS1GQ22F-11ET■/L/S/▲/△ Flat Round Ring Illuminated PowerSymbol Ø22mm



HBDS1GQ25F-11■/L/S/ Flat Round Ø25mm
HBDS1GQ25F-11E■/L/S/▲/△ High Round Ring Illuminated Ø25mm
HBDS1GQ25F-11ET■/L/S/▲/△ Flat Round Ring Illuminated PowerSymbol Ø25mm
HBDS1GQ30F-11■/L/S/ Flat Round Ø30mm
HBDS1GQ30F-11E■/L/S/▲/△ High Round Ring Illuminated Ø30mm



HBDS1GQ30F-11ET■/L/S/▲/△ Flat Round Ring Illuminated PowerSymbol Ø30mm

Series Number	Mounting Hole Size	The Front Shape	Contact Configuration	Lamp Type	Operation Type	Terminal Type	Shell Material	Shell Custom Color	AC/DC LED Voltage	LED Color
HBDS1BGQ	19:Ø19mm 22:Ø22mm	F: Flat head	11: 1NO1NC 22: 2NO2NC 33: 3NO3NC	No letters: Without LED D: Dot LED E: Ring LED ET: Ring LED with Power Symbol	No letters: Momentary Z: Latching	J: Pin terminal	N: Nickel-plated brass S: Stainless steel Anti-rotation customization: No letters: No anti-rotation customization 1: Single anti-rotation 2: Both side anti-rotation	No letters: Shell natural color R: Red G: Green Y: Yellow O: Orange B: Blue W: White Black	6V 12V 24V 36V 110V 220V Other voltages can be customized	R: Red G: Green Y: Yellow O: Orange B: Blue W: White

HBDS1-BGQ Series

Anti-vandal Waterproof Push Button Switch

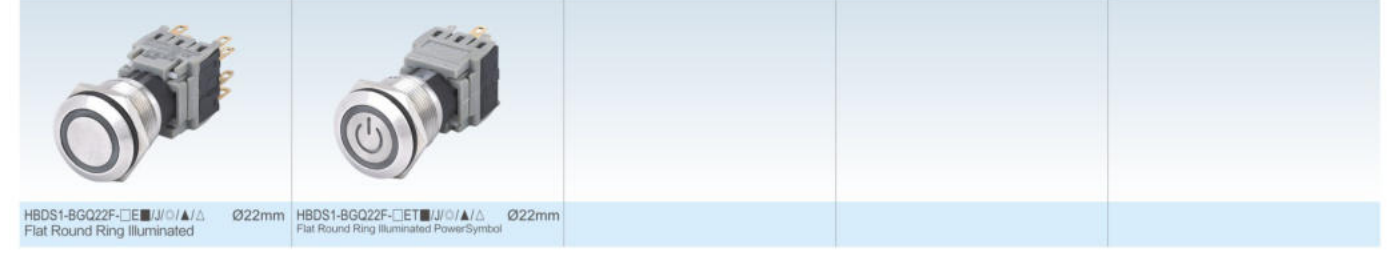
Customization:
Color-plated aluminum alloy



HBDS1-BGQ19F-□■/J/0 Flat Round Ø19mm



HBDS1-BGQ19F-□D■/J/0/▲/△ Flat Round Dot Illuminated Ø19mm
HBDS1-BGQ19F-□E■/J/0/▲/△ Flat Round Ring Illuminated Ø19mm
HBDS1-BGQ19F-□ET■/J/0/▲/△ Flat Round Ring Illuminated PowerSymbol Ø19mm
HBDS1-BGQ22F-□■/J/0 Flat Round Ø22mm
HBDS1-BGQ22F-□D■/J/0/▲/△ Flat Round Dot Illuminated Ø22mm



HBDS1-BGQ22F-□E■/J/0/▲/△ Flat Round Ring Illuminated Ø22mm
HBDS1-BGQ22F-□ET■/J/0/▲/△ Flat Round Ring Illuminated PowerSymbol Ø22mm

Series Number	Mounting Hole Size	The Front Shape	Contact Configuration	Lamp Type	Operation Type	Terminal Type	Shell Material	Shell Custom Color	AC/DC LED Voltage	LED Color
HBDGQ	22:Ø22mm 25:Ø25mm 28:Ø28mm 30:Ø30mm	F: Flat head	11: 1NO 1NC 22: 2NO 2NC	No letters: Without LED D: Dot LED E: Ring LED ET: Ring LED with Power Symbol	No letters: Momentary Z: Latching	J: Pin terminal	N: Nickel-plated brass S: Stainless steel T: Aluminum alloy PC: Engineering plastic Anti-rotation customization: No letters: No anti-rotation customization 1: Single anti-rotation 2: Both side anti-rotation	No letters: Shell natural color Red Green Yellow Orange Blue White Black SK: Customized Color PC: Selectable SW: Silver white	3V 6V 12V 24V 36V 110V 220V Other voltages can be customized	Red Green Yellow Orange Blue White

Series Number	Mounting Hole Size	Contact Configuration	Lamp Type	Operation Type	Operating Position	Shell Material	AC/DC LED Voltage	LED Color
HBD-K	10A:Ø22mm 10B:Ø22mm 10S:Ø30mm 20A:Ø22mm 20B:Ø22mm 20S:Ø30mm	11: 1NO 1NC 22: 2NO 2NC	No letters: Flat head without LED D: Flat round head with LED G: High head without LED GD: High head with LED F: Metal Ring without LED E: Ring LED M: Mushroom head without LED MD: Mushroom head with LED SP: Painted Plastic Cover	No letters: Momentary Z: Latching X: Selector switch Y: Key switch TS: Emergency stop switch	Operating position of the selector switch and key switch: 1: Two position 2: Three position Selector switch and key switch action type: 1: Maintained type 2: Right self-reset and left self-boost	C: Chrome-plated brass S: Stainless steel	6V 12V 24V 110V 220V Other voltages can be customized	Red Green Yellow Orange Blue White Black

HBDGQ Series

Anti-vandal Waterproof Push Button Switch

φ22mm、φ25mm、φ28mm、φ30mm

Customization: Color-plated aluminum alloy



HBD-K20A HBD-K20B

SERIES METAL BUTTON

Waterproof push button

The first to create a unique magnetic blowing arc extinguishing push button



K20A

Plastic head



K20B 青铜头部 Brass Head

HBD-K20B-□■/□/△ Ø22mm Flat head push button	HBD-K20B-□D■/□/△ Ø22mm Flat head push button with LED			
HBD-K20B-□G■/□/△ Ø22mm High head push button	HBD-K20B-□GD■/□/△ Ø22mm High head push button with LED	HBD-K20B-□F■/□/△ Ø22mm Flat head push button with ring light circle	HBD-K20B-□E■/□/△ Ø22mm Flat head push button with ring LED	HBD-K20B-□M■/□/△ Ø22mm Mushroom button
HBD-K20B-□MD■/□/△ Ø22mm Mushroom button with LED	HBD-K20B-□X/□/△ Ø22mm Selector switch	HBD-K20B-□XB/□/△ Ø22mm Long handle selector switch	HBD-K20B-□Y/□/△ Ø22mm Key switch	

K20S Ø30mm 青铜镀烙头部 Chromeplated brass head

HBD-K20S-□■/□/△ Ø30mm Flat head push button	HBD-K20S-□D■/□/△ Ø30mm Flat head push button with LED			
HBD-K20S-□G■/□/△ Ø30mm High head push button	HBD-K20S-□GD■/□/△ Ø30mm High head push button with LED	HBD-K20S-□M■/□/△ Ø30mm Mushroom button	HBD-K20S-□MD■/□/△ Ø30mm Mushroom button with LED	HBD-K20S-□X/□/△ Ø30mm Selector switch
HBD-K20S-□Y/□/△ Ø30mm Key switch	HBD-K20S-□E■/□/△ Ø30mm Ring illuminated flat head push button (Can be customized with various symbols)	HBD-K20S-□SP■/□/△ Ø30mm Flat head push button (Can be customized with various symbols and text)	HBD-K20S-□SP■/□/△ Ø30mm Flat head push button with LED (Can be customized with various symbols)	

K20B-Q Metal head

HBD-K20B-Q■/□/△ Ø22mm High head push button	HBD-K20B-QD■/□/△ Ø22mm Flat head push button with LED			
HBD-K20B-QE■/□/△ Ø22mm Flat head push button with ring LED	HBD-K20B-QG■/□/△ Ø22mm High head push button	HBD-K20B-QGD■/□/△ Ø22mm High head push button with LED	HB-K20B-QM■/□/△ Ø22mm Mushroom button	HBD-K20B-QMD■/□/△ Ø22mm Mushroom button with LED
HBD-K20A-QTSA/Q/R Ø22mm Emergency stop switch(30)	HBD-K20A-QTSC/Q/R Ø22mm Emergency stop switch(60)	HBD-K20A-QTS/Q/R Ø22mm Emergency stop switch(40)	HBD-K20A-QTSD/Q/R Ø22mm Emergency stop switch(40)	HBD-K20B-QX/Q/△ Ø22mm Selector switch
HBD-K20B-QXB/Q/△ Ø22mm Long handle selector switch	HBD-K20B-QY/Q/△ Ø22mm Key switch			



Series Number	Mounting Hole Size	Contact Configuration	Lamp Type	Operation Type	Operating Position	Shell Material	AC/DC LED Voltage	LED Color
HBDY5	KA: Ø22mm KB: Ø22mm KS: Ø30mm	10: 1NO 01: 1NC 11: 1NO 1NC 22: 2NO 2NC 20: 2NO 02: 2NC	No letters: Flat head without LED D: Flat round head with LED G: High head without LED GD: High head with LED F: Metal Ring without LED E: Ring LED M: Mushroom head without LED MD: Mushroom head with LED SP: Painted Plastic Cover	No letters: Momentary Z: Latching X: Selector switch Y: Key switch TS: Emergency stop switch	Operating position of the selector switch and key switch: 2: Two position 3: Three position Selector switch and key switch action type: 1: Maintained type 3: Right self-reset and left self-reset	C: Chrome-plated brass S: Stainless steel	6V 12V 24V 110V 220V Other voltages can be customized	■ Red ■ Green ■ Yellow ■ Orange ■ Blue ■ White ■ Black

CDOE Glory Series, groundbreaking innovative design, resetting new standards in the industry!
HBDY5 series, small size, light weight and short length, up to 8 switching elements can be installed per button.
Innovative self-locking design, without increasing the overall length, the style is more beautiful and practical.
Adopting one-piece light box with 45 degree side elevation screws, wiring is more convenient and quicker.
The switching element is designed with silver contacts to easily pass 16A high current.
Innovative installation methods, nut-fixed panels, rotating snap-on bases, and combined contact modules make installation easier and faster!
The product has a reliable IP55 waterproof rating (front of panel).
Made of flame-retardant materials, it has excellent high and low temperature resistance.
The switching element is designed with silver contacts to easily pass 16A high current.
HBDY5 series, small size, light weight and short length, up to 8 switching elements can be installed per button.
Innovative self-locking design, without increasing the overall length, the style is more beautiful and practical.
Adopting one-piece light box with 45 degree side elevation screws, wiring is more convenient and quicker.
The switching element is designed with silver contacts to easily pass 16A high current.

HBDY5 (XB2 / LAY5) Series Push Button Switch
φ22mm Transient type / Slow-moving type







Switch make 1NO or 1NC contact
Customised conventional single contacts with various symbols














**201 Series 22mm
Painted plastic head**








				
HBDY5-KW-□■/△/201 Ø22mm Flat head push button	HBDY5-KW-□D■/▲/△201 Ø22mm Flat head push button with LED			
				
HBDY5-KW-□G■/▲/△201 Ø22mm High head push button	HBDY5-KW-□GD■/▲/△201 Ø22mm High head push button with LED	HBDY5-KW-□M■/▲/△201 Ø22mm Mushroom button	HBDY5-KW-□MD■/▲/△201 Ø22mm Mushroom button with LED	HBDY5-KA-□TS/R/201 Ø22mm Emergency stop switch
				
HBDY5-KA-□TSD/R/201 Ø22mm Emergency stop switch	HBDY5-KA-□X/◆/H/201 Ø22mm Selector switch	HBDY5-KA-□XB/◆/H/201 Ø22mm Long handle selector switch	HBDY5-KA-□Y/◆/H/201 Ø22mm Key switch	

**KB Seires 22mm
Brass head**

				
HBDY5-KB-□■/○/△ Ø22mm Flat head push button	HBDY5-KB-□D■/○/△ Ø22mm Flat head push button with LED	HBDY5-KB-□G■/○/△ Ø22mm High head push button	HBDY5-KB-□GD■/○/△ Ø22mm High head push button with LED	HBDY5-KB-□M■/○/△ Ø22mm Mushroom button
				
HBDY5-KB-□MD■/○/△ Ø22mm Mushroom button with LED	HBDY5-KB-□F/○/△ Ø22mm Flat head push button (Various symbols can be customised)	HBDY5-KB-□E/○/△ Ø22mm Flat head push button with ring LED (Various symbols can be customised)	HBDY5-KB-□X/◆/○/H Ø22mm Selector switch	HBDY5-KB-□XB/◆/○/H Ø22mm Long handle selector switch
				
HBDY5-KB-□Y/◆/○ Ø22mm Key switch	HBDY5-KB-□D■/○/△/67 Ø22mm Flat head push button with LED			

**KS Series 30mm
Brass head**

				
HBDY5-KS-□■/C/△ Ø30mm Flat head push button	HBDY5-KS-□D■/C/△ Ø30mm Flat head push button with LED			
				
HBDY5-KS-□G■/C/△ Ø30mm High head push button	HBDY5-KS-□GD■/C/△ Ø30mm High head push button with LED	HBDY5-KS-□M■/C/△ Ø30mm Mushroom button	HBDY5-KS-□MD■/C/△ Ø30mm Mushroom button with LED	HBDY5-KS-□E/○/△ Ø30mm Flat head push button with ring LED (Various symbols can be customised)
				
HBDY5-KS-□SP■/C/△ Ø30mm Flat head push button (Various symbols can be customised)	HBDY5-KS-□SP■/C/△ Ø30mm Flat head push button with LED (Various symbols can be customised)	HBDY5-KS-□X/◆/C/H Ø30mm Selector switch	HBDY5-KS-□Y/◆/C Ø30mm Key switch	

Series Number	Mounting Hole Size	Contact Configuration	Lamp Type	Operation Type	Operating Position	Shell Material	AC/DC LED Voltage	LED Color
HBDS0	KA:Ø22mm KB:Ø22mm KS:Ø30mm	10: 1NO 01: 1NC 11: 1NO 1NC 22: 2NO 2NC 20: 2NO 02: 2NC	No letters: Flat head without LED D: Flat round head with LED G: High head without LED GD: High head with LED F: Metal Ring without LED E: Ring LED M: Mushroom head without LED MD: Mushroom head with LED SP: Painted Plastic Cover	No letters: Momentary Z: Latching X: Selector switch Y: Key switch TS: Emergency stop switch	Operating position of the selector switch and key switch: 2: Two position 3: Three position Selector switch and key switch action type: 1: Keep type 3: Right self-reset and left self-reset	C: Chrome-plated brass S: Stainless steel	6V 12V 24V 110V 220V Other voltages can be customized	 Red  Green  Yellow  Orange  Blue  White  Black

HBDS0(LA38) Series Push Button Switch

φ22mm
Transient type/Slow-moving type

KA Series 22mm Plastic head



HBDS0-KA-□□/△ Flat head push button Ø22mm



HBDS0-KA-□D/▲/△ Flat head push button with LED Ø22mm



HBDS0-KA-□G/△ High head push button Ø22mm



HBDS0-KA-□GD/▲/△ High head push button with LED Ø22mm



HBDS0-KA-□M/△ Mushroom button Ø22mm



HBDS0-KA-□MD/▲/△ Mushroom button with LED Ø22mm



HBDS0-KA-□MA/△ Mushroom button (small head 35) Ø22mm



HBDS0-KA-□MC/△ Mushroom button (small head 35) Ø22mm



HBDS0-KA-□X/◆/H Selector switch Ø22mm



HBDS0-KA-□XB/◆/H Long handle selector switch Ø22mm



HBDS0-KA-□Y/◆ Key switch Ø22mm



HBDS0-KA-□TSA/R Emergency stop switch(30) Ø22mm



HBDS0-KA-□TSC/R Emergency stop switch(60) Ø22mm



HBDS0-KA-□TS/R Emergency stop switch(40) Ø22mm



HBDS0-K□TSD/R Emergency stop switch(40) Ø22mm



HBDS0-KW-11S/RG Double-headed pushbuttons Ø22mm



HBDS0-KW-11DS/RG/▲/△ Illuminated Double-headed pushbuttons Ø22mm



HBDS0-KA-□H/UV white arrow Flat head push button Ø22mm



HBDS0-KA-□W/UV stack arrow Flat head push button Ø22mm

Focus on Push Button Manufacturing



HBDS0-KA-□B/UV white double arrow Flat head push button Ø22mm

KW Series 22mm Painted plastic head



HBDS0-KW-□□/△ Flat head push button Ø22mm



HBDS0-KW-□□/△/▲ Flat head push button with LED Ø22mm



HBDS0-KW-□□GD/▲/△ High head push button Ø22mm



HBDS0-KW-□□GD/▲/△ High head push button with LED Ø22mm



HBDS0-KW-□□M/△ Mushroom button Ø22mm



HBDS0-KW-□□MD/▲/△ Mushroom button with LED Ø22mm



HBDS0-KW-□□SP/△ Flat head push button (Various symbols can be customised) Ø22mm



HBDS0-KW-□□SP/△/▲ Flat head push button with ring LED (Various symbols can be customised) Ø22mm



HBDS0-KW-□□X/◆/H Selector switch Ø22mm



HBDS0-KW-□□Y/◆/C Key switch Ø22mm

KB Series 22mm Brass head



HBDS0-KB-□□/△ Flat head push button Ø22mm



HBDS0-KB-□□/△ Flat head push button with LED Ø22mm



HBDS0-KB-□□GD/▲/△ High head push button Ø22mm



HBDS0-KB-□□GD/▲/△ High head push button with LED Ø22mm



HBDS0-KB-□□F/△ Flat head push button with ring light circle Ø22mm



HBDS0-KB-□□E/▲/△ Flat head push button with ring LED Ø22mm



HBDS0-KB-□□M/△ Mushroom button Ø22mm



HBDS0-KB-□□MD/▲/△ Mushroom button with LED Ø22mm



HBDS0-KB-□□X/◆/H Selector switch Ø22mm



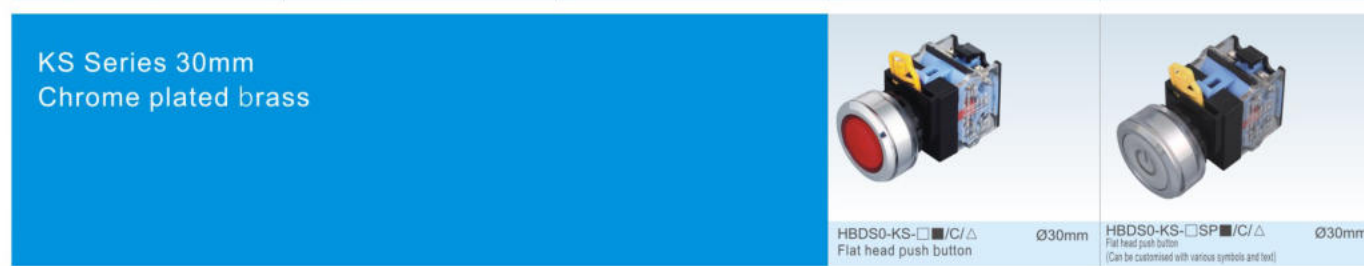
HBDS0-KB-□□XB/◆/H Long handle selector switch Ø22mm



HBDS0-KB-□□Y/◆/C Key switch Ø22mm










HBDS0GQ22F-□□/△ Flat head push button Ø22mm









Series Number	The Front Shape	Contact Configuration	Lamp Type	Operation Type	Operating Position	AC/DC LED Voltage	LED Color
HBDS1-A Ø16mm	Y: Round head F: Square head J: Rectangular head M: Mushroom head	11:1NO1NC 22:2NO2NC	No letters: Flat head without LED D: Large surface LED	No letters: Momentary Z: Latching D: Indicator light X: Selector switch XD: Selector switch with LED Y: Key switch TS: Emergency stop switch B: Buzzer	Operating position of the selector switch and key switch: 2: Two position 3: Three position Selector switch and key switch action type: 1: Keep type 3: Right self-reset and left self-reset	6V 12V 24V 36V 110V 220V Other voltages can be customized	 + : Common anode - : Common cathode



	NEW						
HBDS1-AY-□TSF Emergency Stop Switch	Ø16mm						

HBDS1-B							
Series Number	The Front Shape	Contact Configuration	Lamp Type	Operation Type	Operating Position	AC/DC LED Voltage	LED Color
HBDS1-B Ø16mm	Y: Round head F: Square head J: Rectangular head M: Mushroom head	11:1NO1NC 22:2NO2NC	No letters: Flat head without LED D: Large surface LED	No letters: Momentary Z: Latching D: Indicator light X: Selector switch XD: Selector switch with LED Y: Key switch TS: Emergency stop switch	Operating position of the selector switch and key switch: 2: Two position 3: Three position Selector switch and key switch action type: 1: Keep type 3: Right self-reset and left self-reset	6V 12V 24V 36V 110V 220V Other voltages can be customized	 Red  Green  Yellow  Orange  Blue  White +: Common anode -: Common cathode

HBDS1-B Series Push Button Switch				
			HBDS1-BY-□◆▲/△ Ø16mm Round Pushbutton	HBDS1-BF-□◆▲/△ Ø16mm Square Pushbutton
			HBDS1-BM-□◆▲/△ Ø16mm Mushroom Pushbutton	HBDS1-BJM-□◆▲/△ Ø16mm Big Square Pushbutton
			HBDS1-BJ-□◆▲/△ Ø16mm Round Selector Switch	HBDS1-BF-□X/◆● Ø16mm Square Selector Switch
			HBDS1-BJ-□X/◆● Ø16mm Rectangle Selector Switch	HBDS1-BY-□TS(警示圈) Ø16mm Emergency Stop Switch

HBDS1-A								
Series Number	Variety Model	The Front Shape	Contact Configuration	Lamp Type	Operation Type	Operating Position	AC/DC LED Voltage	LED Color
HBDS1-A	P: Black border W: White border	Y: Round head F: Square head J: Rectangular head	11:1NO1NC 22:2NO2NC	No letters: Flat head without LED D: Large surface LED (Other symbols can be customised)	No letters: Momentary Z: Latching X: Selector switch XD: Selector switch with LED Y: Key switch TS: Emergency stop switch with LED DTS: Emergency stop switch with LED	Operating position of the selector switch and key switch: 2: Two position 3: Three position Selector switch and key switch action type: 1: Maintained type 3: Right self-reset and left self-reset	6V 12V 24V 36V 110V 220V Other voltages can be customized	 Red  Green  Yellow  Orange  Blue  White +: Common anode -: Common cathode

HBDS1-AW Type Push Button Switch φ 22mm				
			HBDS1-AWY-□◆▲/△ Ø22mm Round Pushbutton	HBDS1-AWF-□◆▲/△ Ø22mm Square Pushbutton
			HBDS1-AWJ-□◆▲/△ Ø22mm Square Pushbutton	HBDS1-APY-□◆▲/△ Ø22mm Round Pushbutton
			HBDS1-AWJ-□◆▲/△ Ø22mm Rectangle Pushbutton	HBDS1-APF-□◆▲/△ Ø22mm Square Pushbutton
			HBDS1-APY-□◆▲/△ Ø22mm Square Pushbutton	HBDS1-APJ-□◆▲/△ Ø22mm Rectangle Pushbutton
			HBDS1-APY-□◆▲/△ Ø22mm Round Pushbutton	HBDS1-APF-□◆▲/△ Ø22mm Rectangle Pushbutton
			HBDS1-APY-□◆▲/△ Ø22mm Round Pushbutton	HBDS1-APF-□◆▲/△ Ø22mm Square Pushbutton
			HBDS1-APY-□X/◆▲/△ Ø22mm Round Selector Switch	HBDS1-APF-□X/◆▲/△ Ø22mm Square Selector Switch
			HBDS1-APJ-□X/◆▲/△ Ø22mm Rectangle Selector Switch	HBDS1-APY-□Y/◆●▲/△ Ø22mm Round Key Switch
			HBDS1-APJ-□Y/◆●▲/△ Ø22mm Rectangle Key Switch	HBDS1-APY-□TS Emergency Stop Switch

Series Number	Variety Model	The Front Shape	Contact Configuration	Lamp Type	Operation Type	AC/DC LED Voltage	LED Color
HBDS1-B	P: Black border W: White border	Y: Round head F: Square head J: Rectangular head	11:1NO1NC 22:2NO2NC	No letters: Flat head without LED D: Large surface LED T: Power symbol (Other symbols can be customised)	No letters: Momentary Z: Latching X: Selector switch XD: Selector switch with LED Y: Key switch TS: Emergency stop switch DTS: Emergency stop switch with LED	6V 12V 24V 36V 110V 220V Other voltages can be customized	 Red Green Yellow Orange Blue White +: Common anode -: Common cathode

Series Number	The Front Shape	Contact Configuration	Lamp Type	Variety Model	Operation Type	AC/DC LED Voltage	LED Color
HBDY5	No letters: Round J: Double-headed push button (Flat head push button + Flat head push button) S: Double-headed push button (Flat head push button + High head push button)	10: 1NO 01: 1NC 11: 1NO 1NC 22: 2NO 2NC	No letters: Push button without LED D: Push button with LED G: High head push button GD: High head push button with LED F: Push button with waterproof cover T: Push button with symbols M: Mushroom head push button S: Double-headed push button DS: Double-headed push button with LED	No letters: Momentary Z: Latching X: Selector switch XB: Long handle selector switch with LED Y: Key switch TS: Turn the reset emergency stop button TL: Push-pull emergency stop button	Operating position of the selector switch and key switch 2: Two position 3: Three position Selector switch and key switch action type: 1: Maintained type 2: Right self-reset 3: Right self-reset and left self-reset 4: Left self-reset	6V 12V 24V 36V 110V 220V Other voltages can be customized	 Red Green Yellow Orange Blue White Black

HBDS1-BW Type Push Button Switch

φ22mm

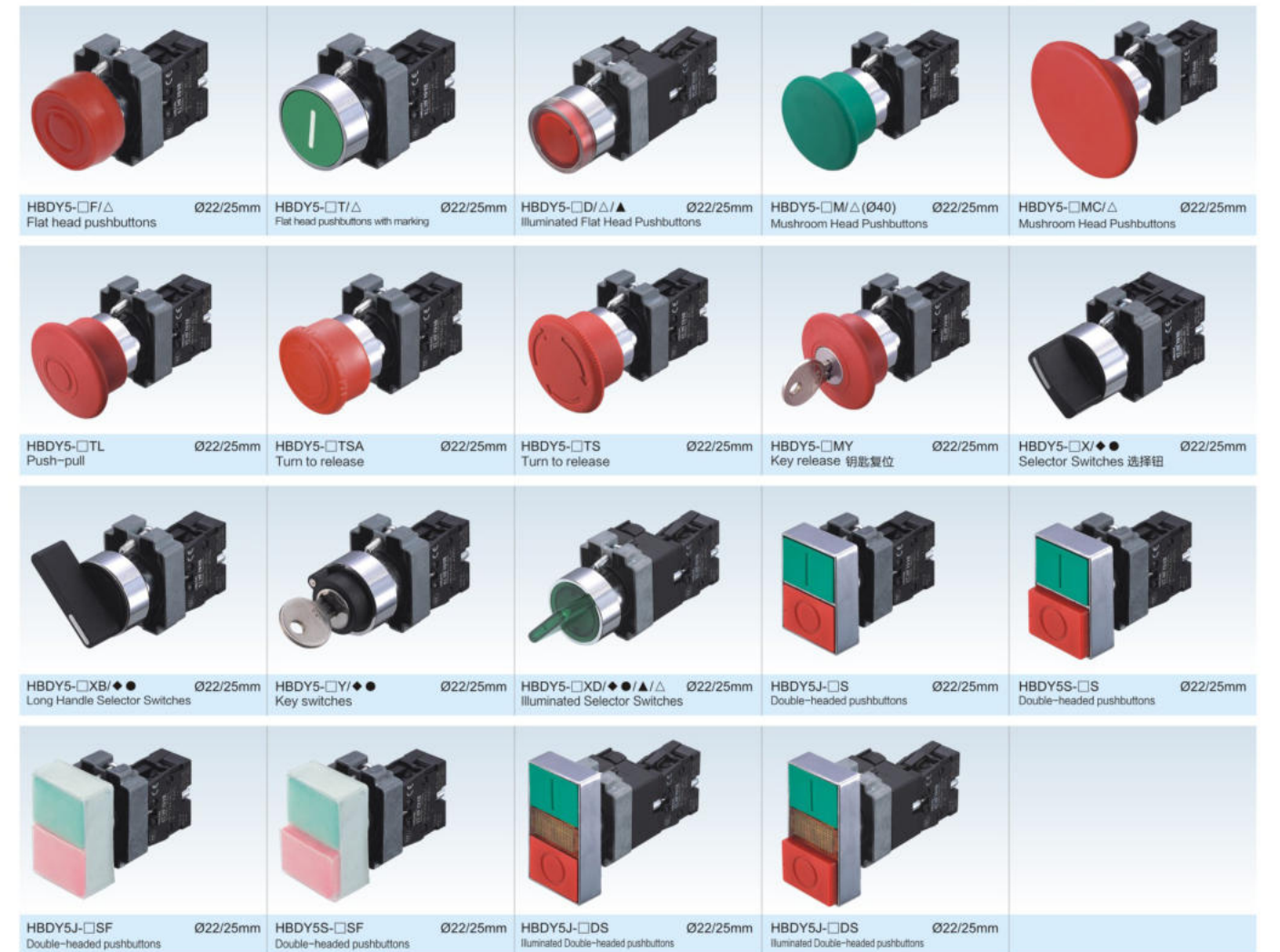


HBDY5(XB2、LAY5)

HBDY5(XB2、LAY5) Series Push Button Switch

φ22mm slow-moving type

Various symbols can be customised



HBDWN20 ROTARY SWITCHES


HBDWN20-CG
Conventional type


HBDWN20-DZ
Voltage conversion type


HBDWN20-DB
Conventional type baseplate


HBDWN20-DK
Single hole installation


HBDWN20-DZF
Conventional type


HBDWN20-DRG
Special capacitor cabinet


HBDWN20-GS
Padlock type


HBDWN20-YS
Switch with lock power

HBDWN16 ROTARY SWITCHES


HBDWN16-CG
Conventional type


HBDWN16-ZF
Self replicating


HBDWN16-DZ
Voltage conversion type

CROSS SWITCH


HBDY5-PA12
Latching Momentary Cross Switch


HBDY5-PA14
Latching Momentary Cross Switch


HBDC5-201
Latching Momentary Cross Switch


HBDC5-402
Latching Momentary Cross Switch

HBD16					
Series Number	Neck Mounting Dimensions	Auxiliary code	Form of structure	AC/DC LED Voltage	LED Color
HBD16	Ø:8mm Ø:10mm Ø:12mm Ø:16mm Ø:22mm Ø:30mm	A: Pin terminal D: Screw terminal SM: Flash buzzer D/B: bi-colour LED	No letters: Standard structure S: Ultrashort structure	6V 12V 24V 36V 110V 220V Other voltages can be customized	■ Red ■ Green ■ Yellow ■ Orange ■ Blue ■ White

HBD16 Series Indicator


HBD16-8A/▲/△
Pilot Light


HBD16-12A/▲/△
Pilot Light


HBD16-16D/▲/△
Pilot Light


HBD16-16SM/▲/△
Flashing Buzzer


HBD16-22DS/▲/△
Pilot Light


HBD16-22DG/▲/△
Pilot Light


HBD16-22DT/▲/△
Pilot Light


HBD16-22B/SM/▲/△
Flashing Buzzer


HBD16-22SM/▲/△
Flashing Buzzer


HBD16-30D/▲/△
Pilot Light


HBD16-22D/B/▲/△
Bi-color Lamp


HBD16-22FW/D/▲/△
Circuit breaker position Indicator


HBD16-22FW/G/▲/△
Isolating switch position indicator


HBD16-22FW/W/▲/△
Grounding position indicator


HBD16-22WD/D/▲/△
Circuit breaker position Indicator


HBD16-22DW/G/▲/△
Isolating switch position indicator



HBD16-22DW/W/▲/△
Grounding position Indicator


HBD				
Series Number	Material Description	Hole	Hole Size	Button Box Style
HBD	BX: Aluminium alloy material BXC: Aluminium alloy material (deepening version)	1,2,3,4,5,6 Other holes can be customised	16:Ø16mm 19:Ø19mm 22:Ø22mm	A: with ear B: without ear


CONTROL BOX


NEW


Control button box series



HBD-BX1/○/■
Aluminium one-hole button box



HBD-BX2/○/■
Aluminium two-hole button box



HBD-BX3/○/■
Aluminium three-hole button box



HBD-BX4/○/■
Aluminium four-hole button box



HBD-BX5/○/■
Aluminium five-hole button box



HBD-BXC1/○/■
Aluminium one-hole button box



HBD-BXC2/○/■
Aluminium two-hole button box



HBD-BXC3/○/■
Aluminium three-hole button box



HBD-BXC4/○/■
Aluminium four-hole button box


HBD-BXC5/○/■
Aluminium five-hole button box


HBD-BX2/○/■
Aluminium two-hole button box


HBD-BX3/○/■
Aluminium three-hole button box


HBD-BX4/○/■
Aluminium four-hole button box


HBD-BX5/○/■
Aluminium five-hole button box

Series Number	Hole	Button Box Style	Top cover colour	Lower cover colour	Hole Size
HBD	1,2,3,4,5,6 Other holes can be customised	A B	W: White O: Orange Y: Yellow G: Blue-grey	W: White N: Black	16:Ø16mm 19:Ø19mm 22:Ø22mm

CONTROL BOX					
HBD-1A-WN□ Button box for single hole	Ø22mm HBD-1A-YN□ Button box for single hole	Ø22mm HBD-2A-WN□ Button box for two hole	Ø22mm HBD-2A-YN□ Button box for two hole	Ø22mm HBD-3A-WN□ Button box for two hole	Ø22mm HBD-3A-YN□ Button box for three hole
Ø22mm HBD-4A-WN□ Button box for four hole	Ø22mm HBD-4A-YN□ Button box for four hole	Ø22mm HBD-5A-WN□ Button box for five hole	Ø22mm HBD-5A-YN□ Button box for five hole	Ø22mm HBD-1B-WN□ Button box for single hole	Ø22mm HBD-2B-WN□ Button box for two hole
Ø22mm HBD-3B-WN□ Button box for three hole	Ø22mm HBD-1B-GW□ Button box for single hole	Ø22mm HBD-1B-YW□ Button box for single hole	Ø22mm HBD-2B-GW□ HBD-2B-YW□ Button box for two hole	Ø22mm HBD-2B-YW□ Button box for two hole	Ø22mm HBD-3B-GW□ HBD-3B-YW□ Button box for three hole
Ø22mm HBD-4B-GW□ HBD-4B-YW□ Button box for four hole	Ø22mm HBD-5B-GW□ HBD-5B-YW□ Button box for five hole	Ø22mm HBD-6B-GW□ HBD-6B-YW□ Button box for six hole	Ø22mm HBD-6B-YW□ Button box for six hole	Ø22mm HB-1B-GW/P□ Button box for single hole (with cable glands)	Ø22mm HB-1B-YW/P□ Button box for single hole (with cable glands)
Ø22mm HBD-1C-YY□ Button box for single hole	Ø22mm HBD-2C-YY□ Button box for two hole	Ø22mm HBD-3C-YY□ Button box for three hole	1 Flush green pushbutton spring return	1 Flush red pushbutton spring return	

1 red mushroom head pushbutton turn to release	1 Projecting red pushbutton spring return	1 Selector switch 2-Position stay put Standard handle,	1 Key switch, key with drawal in left-hand position	1 red mushroom head pushbutton turn to release
1 red mushroom head pushbutton, Key release	2 spring return pushbuttons 1 flush green 1 flush red	1 flush white(black arrow) 1 flush black(white arrow)	1 red pilot light 1 flush green 1 flush red	1 flush green 1 flush red, 1 flush green
1 flush white(black arrow) 1 flush red 1 flush black(white arrow)	1 flush white(black arrow) 1 flush green 1 flush black(white arrow)	1 flush white(black arrow) 1 red mushroom head pushbutton turn to release 1 flush black(white arrow)	1 flush white(black arrow) 1 Selector switch 2-Position stay put Standard handle 1 flush black(white arrow)	

BUTTON ACCESSORIES

Push Button Accessory Series

Number of wires/pins	Length of line	Hole Size	LED Voltage		Head Color
			6V	12V	
			24V	36V	
			110V	220V	

Threaded Handle																						
	Plastic Threaded Handle HBD-T38	Metal Hexagonal Threaded Handle HBD-T39	Ø12 Ø16 Ø19 Ø22																			
Quick Connector																						
	Quick connector HBD-T1	Quick connector HBD-T2	Quick connector HBD-T3	Quick connector HBD-T19	Quick connector HBD-T18	Solder terminals HBD-T4	Ø16 Ø19 Ø22 Ø25 Ø30	Ø22	Ø25	Ø22	Ø22	Ø16										
Protective cover																						
	Round and square protective cover HBD-T5	Rectangular protective cover HBD-T6	Round Button Protective Cover HBD-T14	Square Button Protective Cover HBD-T15	Rectangular Button Protective Cover HBD-T16	Ø16	Ø16	Ø16 Ø19 Ø22	20.5*20.5	20.5*26.5												
Waterproof cover																						
	Flat button waterproof, dustproof cover HBD-T9	High button waterproof, dustproof cover HBD-T9	Sealing cover HBD-T10	Waterproof cover for double-headed buttons HBD-T33																		
Emergency stop protective cover																						
	Protective cover HBD-T11	Protective cover HBD-T11	Protective cover HBD-T11	Protective cover HBD-T11	Protective cover HBD-T12	Protective cover HBD-T12	Protective cover HBD-T12	Protective cover HBD-T12	Protective cover HBD-T12	Protective cover HBD-T12	Protective cover HBD-T12	Ø16	Ø16	Ø16	Ø16	Ø16	Ø16	Ø16	Ø16	Ø16	Ø16	
Emergency stop protective cover																						
	Protective cover HBD-T26	Protective cover HBD-T27	Protective cover HBD-T28	Protective cover HBD-T29	Protective cover HBD-T26	Protective cover HBD-T27	Protective cover HBD-T28	Protective cover HBD-T29	Ø16	Ø22	Ø22	Ø22	Ø22	Ø22	Ø22	Ø22	Ø22	Ø22	Ø22	Ø22	Ø22	

Protective cover																						
	Protective cover HBD-T17	Protective cover HBD-T30	Protective cover HBD-T31	Protective cover HBD-T24	Protective cover HBD-T26	Protective cover HBD-T27	Protective cover HBD-T26	Protective cover HBD-T28	Ø22	Ø22	Ø22	Ø25	Ø25	Ø25	Ø30	Ø30	Ø30	Ø30	Ø30	Ø30		
Warning circle																						
	Warning circle HBD-T7	Warning circle HBD-T7	Warning circle HBD-T7	Ø16	Ø22	Ø22																
Panel plug																						
	Panel plug HBD-T40	Panel plug HBD-T40	Ø16 Ø19	Ø22 Ø25																		
Diameter																						
	Diameter changing circle HBD-T20	Diameter changing circle HBD-T20	Ø16 becomes Ø22	Ø16 becomes Ø25																		
Other accessories																						
	Symbol frame HBD-T20	Aviation plug protective cover HBD-T20	Aviation Plug GX12-3P	Ø16 Ø22 Ø25 Ø30	Ø12																	
lamp holder																						
	HBD-K series lamp holder HBD-K-BV	HBDY5-K series lamp holder HBDY5-K-BV	HBDS0-K series lamp holder HBDS0-K-BV																			
contacts																						
	HBD-K10 series contacts HBD-K10-BE	HBD-K20 series contacts HBD-K20-BE	HBDY5-K series contacts HBDY5-K-BE	HBDY5-K series contacts HBDY5-K-BE	HBDS0-K series contacts HBDS0-K-BE	Ø11	Ø11	Ø10	Ø10	Ø11												

