

HBGQ19 SERIES mounting hole : $\Phi 19$

Order Code - Configurazione di un modello

Configura un pulsante o un interruttore impiegando la seguente simbologia :

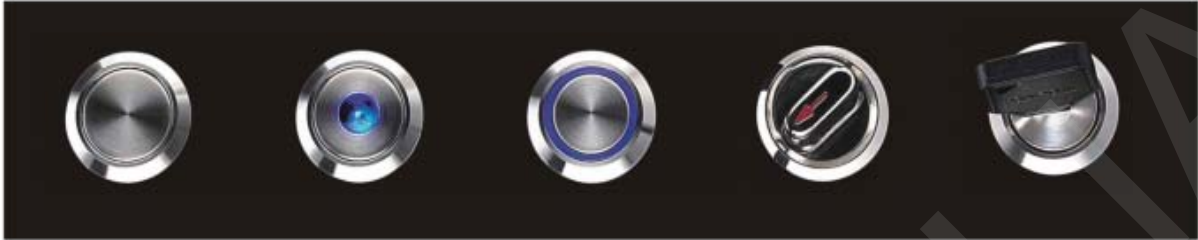
Fronte Front Shape	Contatti Contact configuration	Led Lamp Type	Contatti Oper. Type	Colore Led color	Volt Led Led volt.	Materiale Material
F : flat round H : H round C : concave G : H concave	11 : 1NO 1NC 22 : 2NO 2NC S : screw terminal J : solder terminal Action of selector and Key - lock button Azione del selettore 1 Keep 3 Full- momentary	D : dot led E : ring led Operation position of selector and key - lock button : Posizione del selettore 2 Position 2 3 Position 3	Z : latching X : selector Y : key-lock M : buzzer SM : flash buz. No letter : Push button Pulsante	R Red G Green Y Yellow O Orange B Blue W White	6 12 24 36 110 190	N = Nickel plated brass S = Stainless S. A = Zn-Al Alloy

Description - Descrizione	Figura
Diagramm each single contact Schema elettrico (singolo contatto)	
Symbol Simbolo	
Nota : Diagramm is referred for one single contact Riferito ad ogni singolo contatto	Can be configured two sets of switches: C1 and C2 (C1 = 11 1NCNO C2 = 22 2NONC) . +/- pins are led terminals Possono essere configurati due serie di contatti, C1 singolo e C2 doppio : (C1 = 11 1NONC C2 = 22 2NONC) I terminali +/- appartengono al diodo led.

LampType	LED lamp(AC/DC)			Lamp Circuit Diagram
LEDColor				
Life	40000hours(Reference)			
RatedVoltage	AC/DC6V	AC/DC12V	AC/DC110V	
	AC/DC24V	AC/DC36V	AC/DC220V	
RatedCurrent	About15mA		About3mA	
Dropping Way	Innerresistance		Outerresistance when using6Vlamp	

Using AC/DC led lamp. Terminals have no difference of anode and cathode.
 Non c'è differenza di polarità ai terminali del led. Collegando una resistenza esterna si può adattare il funzionamento del led ad una tensione superiore : ad esempio il led interno è di 5V. Con una resistenza esterna da 1K il led può funzionare a 12V.

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Installation effect - Installazione: estetica pannello frontale

Esempio d'ordine

Pulsante tipo Domed terminali a saldare : **HBGQ19B – 10JN**

Pulsante tipo Flat terminale a vite : **HBGQ19F – 10N**

Pulsante tipo High round con terminali a vite : **HBGQ19H – 10N**

Pulsante tip Domed con terminali a saldare : **HBGQ19H - 10JN**



Terminali a vite

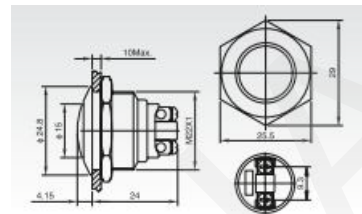
Terminali a saldare

Profilo installazione pulsanti serie HBGQAGQ

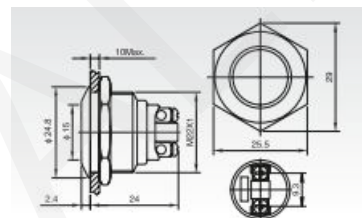
HBGQ SERIES mounting hole : Φ 19



- Mounting hole size : 19mm
- Switch rating : 2A 36Vdc
- Contact configuration : 1 x NO
- Operation type : Momentary
- The crust material : Stainless steel
- Protection degree : IP65 IK09
- Domed



- Mounting hole size : 19mm
- Switch rating : 2A 36Vdc
- Contact configuration : 1 x NO
- Operation type : Momentary
- The crust material : Stainless steel
- Protection degree : IP65 IK09
- Flat round



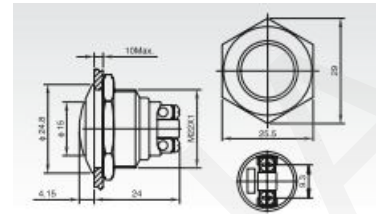
	HBGQ19B-10	HBGQ19F-10
Terminal Type	Screw terminal	Screw terminal
Switch type	X : Two terminal breakpoints slow moving contact	
Switch specifications	2A 36Vdc	2A 36Vdc
Contact Resistance (mΩ)	≤ 50	≤ 50
Insulation Resistance (MΩ)	≥ 1000	≥ 1000
Dielectric Strength (VAC)	2000	2000
Operating Temperature	-20°C ~ +55°C	-20°C ~ +55°C
Mechanical Life (times)	> 1.000.000	> 1.000.000
Electrical Life (times)	> 200.000	> 200.000
Panel Thickness (mm)	1 ~ 10	1 ~ 10
Torque (Nm)	5 ~ 14	5 ~ 14
Operating Pressure (N)	about 4	about 4
Operating Stroke (mm)	about 1,8	about 1,8
Protection Degree	IP65, IK09	IP65, IK09
Contact	Silver Alloy	Silver Alloy
Button	Stainless steel Mirror – Spiral pattern	
Case	Stainless steel – Nickel plated brass	
Base	PBT	PBT

Material

HBGQ 10 SERIES mounting hole : Φ 19

HBGQ19H-10 ©

- Mounting hole size : 19mm
- Switch rating : 2A 36Vdc
- Contact configuration : 1 x NO
- Operation type : Momentary
- The crust material : Stainless steel
- Protection degree : IP65 IK09
- High round

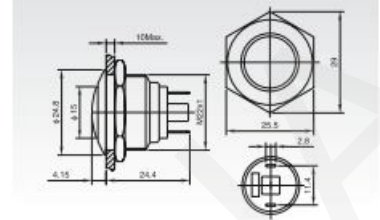


	HBGQ19H-10	
Terminal Type	Screw terminal	
Switch type	X : Two terminal breakpoints slow moving contact	
Switch specifications	2A 36Vdc	
Contact Resistance (m Ω)	≤ 50	
Insulation Resistance (M Ω)	≥ 1000	
Dielectric Strength (VAC)	2000	
Operating Temperature	-20°C ~ +55°C	
Mechanical Life (times)	> 1.000.000	
Electrical Life (times)	> 200.000	
Panel Thickness (mm)	1 ~ 10	
Torque (Nm)	5 ~ 14	
Operating Pressure (N)	about 4	
Operating Stroke (mm)	about 1,8	
Protection Degree	IP65, IK09	
Contact	Silver Alloy	Material
Button	Stainless steel Mirror – Spiral pattern	
Case	Stainless steel – Nickel plated brass	
Base	PBT	

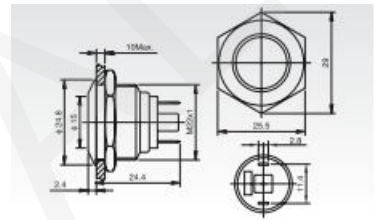
HBGQJ SERIES mounting hole : Φ 19



- Mounting hole size : 19mm
- Switch rating : 2A 36Vdc
- Contact configuration : 1 x NO
- Operation type : Momentary
- The crust material : Stainless steel
- Protection degree : IP65 IK09
- Domed



- Mounting hole size : 19mm
- Switch rating : 2A 36Vdc
- Contact configuration : 1 x NO
- Operation type : Momentary
- The crust material : Stainless steel
- Protection degree : IP65 IK09
- Flat round



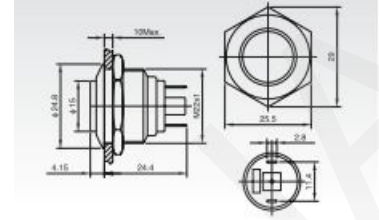
	HBGQ19B-10J	HBGQ19F-10J
Terminal Type	Pin terminal 2,8 x 0,5mm	Pin terminal 2,8 x 0,5mm
Switch type	X : Two terminal breakpoints slow moving contact	
Switch specifications	2A 36Vdc	2A 36Vdc
Contact Resistance (mΩ)	≤ 50	≤ 50
Insulation Resistance (MΩ)	≥ 1000	≥ 1000
Dielectric Strength (VAC)	2000	2000
Operating Temperature	-20°C ~ +55°C	-20°C ~ +55°C
Mechanical Life (times)	> 1.000.000	> 1.000.000
Electrical Life (times)	> 200.000	> 200.000
Panel Thickness (mm)	1 ~ 10	1 ~ 10
Torque (Nm)	5 ~ 14	5 ~ 14
Operating Pressure (N)	about 4	about 4
Operating Stroke (mm)	about 1,8	about 1,8
Protection Degree	IP65, IK09	IP65, IK09
Contact	Silver Alloy	Silver Alloy
Button	Stainless steel Mirror – Spiral pattern	
Case	Stainless steel – Nickel plated brass	
Base	PBT	PBT

Material

HBGQ19 – 10J SERIES mounting hole : Φ 19



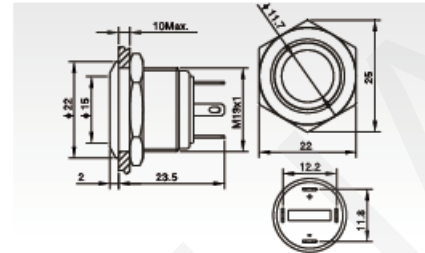
- Mounting hole size : 19mm
- Switch rating : 2A 36Vdc
- Contact configuration : 1 x NO
- Operation type : Momentary
- The crust material : Stainless steel
- Protection degree : IP65 IK09
- High round



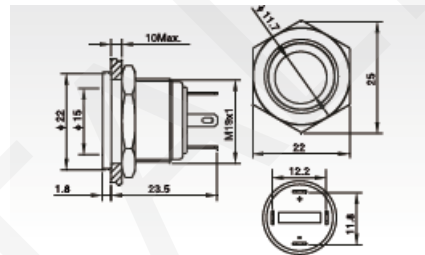
	HBGQ19H-10J	
Terminal Type	Pin terminal 2,8 x 0,5 mm	
Switch type	X : Two terminal breakpoints slow moving contact	
Switch specifications	2A 36Vdc	
Contact Resistance (mΩ)	≤ 50	
Insulation Resistance (MΩ)	≥ 1000	
Dielectric Strength (VAC)	2000	
Operating Temperature	-20°C ~ +55°C	
Mechanical Life (times)	> 1.000.000	
Electrical Life (times)	> 200.000	
Panel Thickness (mm)	1 ~ 10	
Torque (Nm)	5 ~ 14	
Operating Pressure (N)	about 4	
Operating Stroke (mm)	about 1,8	
Protection Degree	IP65, IK09	
Contact	Silver Alloy	Material
Button	Stainless steel Mirror – Spiral pattern	
Case	Stainless steel – Nickel plated brass	
Base	PBT	

HBGQ19 SERIES mounting hole : Φ 19

- Mounting hole size : 19mm
- Switch rating : 2A 36V
- Contact configuration : 1 NO
- Operation type : Momentary
- The crust material : Stainless steel
- Protection degree : IP65 IK08
- Flat round Ring illuminated



- Mounting hole size : 19mm
- Switch rating : 2A 36V
- Contact configuration : 1 NO
- Operation type : Momentary
- The crust material : Stainless steel
- Protection degree : IP65 IK08
- Flat Ring illuminated



	HBGQ19F10EJS	HBGQ19FP10EJS
Terminal Type	Pin Terminal (2.8 x 0.5mm)	Pin Terminal (2.8 x 0.5mm)
Switch type	C : Single breakpoint snap-action changeover contacts	ZA : Double break fast motion changeover contact
Switch specifications	Ith: 2A / Ui: 36VDC	Ith: 2 / 36VDC
Contact Resistance (m Ω)	≤ 50	≤ 50
Insulation Resistance (M Ω)	≥ 1000	≥ 1000
Dielectric Strength (VAC)	2000	2000
Operating Temperature	-20°C ~ +55°C	-20°C ~ +55°C
Mechanical Life (times)	> 1.000.000	> 1.000.000
Electrical Life (times)	> 50.000	> 50.000
Panel Thickness (mm)	1 ~ 10	1 ~ 6
Torque (Nm)	5 ~ 14	5 ~ 14
Operating Pressure (N)	about 3 ~ 5	about 5,5
Operating Stroke (mm)	about 3,1	about 2,5
Protection Degree	IP67, IK09	IP65, IK10
Contact	Silver Alloy	Silver Alloy
Button	Stainless Steel	Stainless Steel
Case	Stainless Steel	Stainless Steel
Base	PBT	PA
Type	Dot illuminated LED	Ring illuminated
Rated Voltage (Vac-dc)	6/12/24/110/220	6/12/24/110/220
Color		
Life	50000 hours	