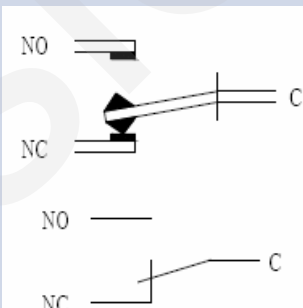
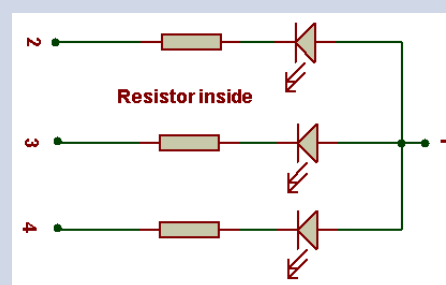


HBGQ22-10WE SERIES mounting hole : Φ 22

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	11 : 1NO 1NC J : solder terminal Action of Key: Momentary	E : ring led	Push button	Red Green Yellow Orange Blue White	3 6 12 24	S = Stainless steel

Description - Descrizione	Figura	
Diagramm contact: 1NO1NC		
Symbol Simbolo		
Nota : Diagramm is referred for one single contact Riferito ad ogni singolo contatto	Can be configured only one set of switch: C1 = 11 1NCNO . +/- pins are led terminals Può essere configurati un solo contatto, singolo C1 = 11 1NONC I terminali +/- appartengono al diodo led.	Sono collegati all'interno due led DC/AC Colori a scelta secondo tabella

LampType	LED lamp(AC/DC)			Lamp Circuit Diagram	 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.
LEDColor	R G Y O B W				
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		

HBGQ22-10WE SERIES mounting hole : $\Phi 22$

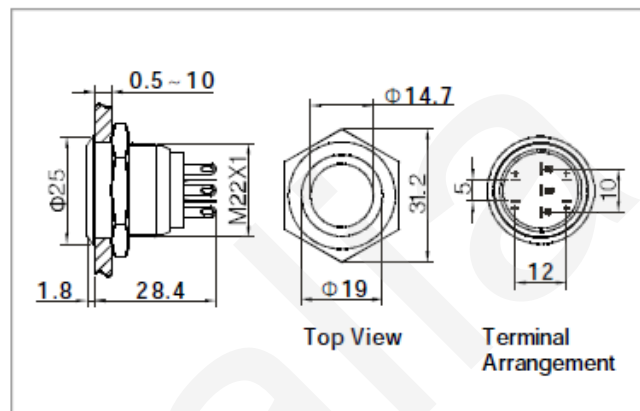
HBGQ22-10WE ©



- Mounting hole size : 22mm
- Switch rating : 2A 125AC
- Contact configuration : 1NO1NC
- Operation type : Momentary
- 3 led color
- The crust material : Stainless steel
- Protection degree : IP65 IK09
- Flat Round



Disponibile solo nella versione pulsante



HBGQ22-10WE 3 different led color		
Terminal Type	Pin Terminals	
Switch type	X : One terminal breakpoints slow moving contact	
Switch specifications	2A 125AC	
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 2,5	
Operating Stroke (mm)	about 0,5	
Protection Degree	IP65, IK09	
Contact	Silver Alloy	
Button	Stainless steel	Mirror – Spiral pattern
Case		
Base	PBT	PBT

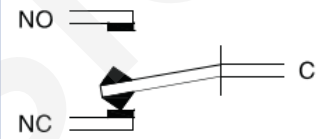
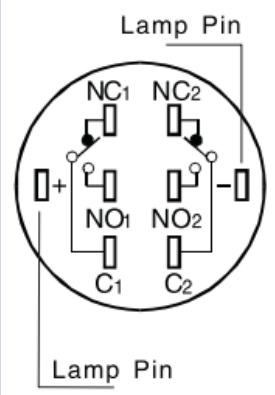
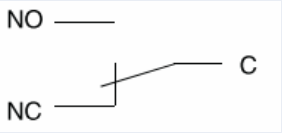
Material

HBGQ22 SERIES mounting hole : Φ 22

Order Code - Configurazione di un modello

Configura un pulsante o un interruttore impiegando la seguente simbologia :

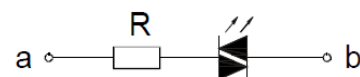
						
Fronte Front Shape	Contatti Contact configuration	Led Lamp Type	Contatti Oper. Type	Colore Led color	Volt Led Led volt.	Materiale Material
F : flat round H : H round C : concave G : H concave	11 : 1NO 1NC 22 : 2NO 2NC S : screw terminal J : solder terminal  Action of selector and Key - lock button Azione 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 36 110 220	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	R G Y O B W			
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	

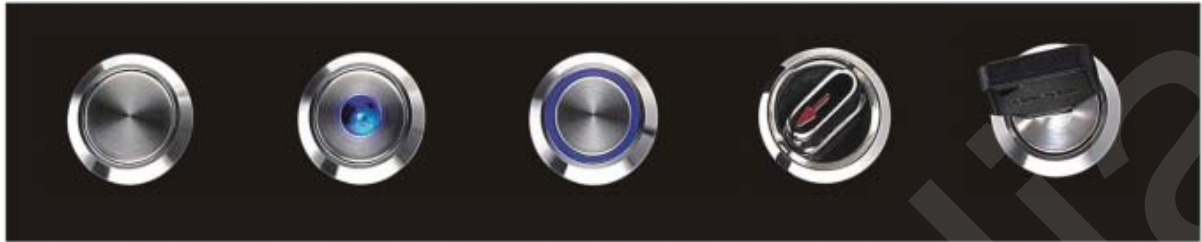
R

<



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.

HBGQ22 SERIES mounting hole : Φ 22



Installation effect - Installazione: estetica pannello frontale

Esempio d'ordine

Pulsante tipo Domed terminali a vite :

HBGQ22**B10**

Pulsante tipo Flat a vite

HBGQ22**F10**

Pulsante tipo High round con terminali a saldare :

HBGQ22**H10J**

Pulsante tip Domed con terminali a saldare :

HBGQ22**D10J**



Terminali a vite



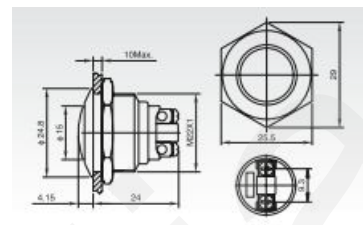
Terminali a saldare

Profilo installazione pulsanti serie HBGQ22 - 10

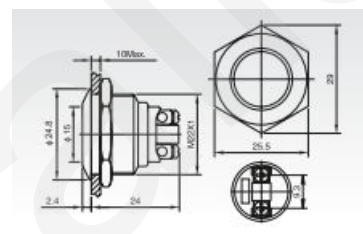
HBGQ22 -10S SERIES mounting hole : Φ 22



- Mounting hole size : 22mm
- 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 : 22mm
- Switch rating : 2A 36Vdc
- Contact configuration : 1 x NO
- Operation type : Momentary
- The crust material : Stainless steel
- Protection degree : IP65 IK09
- Flat round



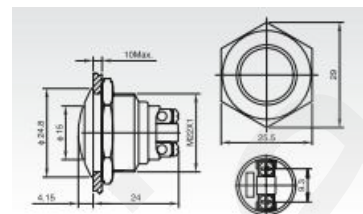
	HBGQ22B-10	HBGQ22F-10
Terminal Type	Screw terminal	Screw terminal
Switch type	X : Two terminal breakpoints slow moving contact	
Switch specifications	2A 36Vdc	2A 36Vdc
Contact Resistance (mΩ)	≤ 50	≤ 50
Insulation Resistance (MΩ)	≥ 1000	≥ 1000
Dielectric Strength (VAC)	2000	2000
Operating Temperature	-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

HBGQ22 – 10S SERIES mounting hole : Φ 22



- Mounting hole size : 22mm
- Switch rating : 2A 36Vdc
- Contact configuration : 1 x NO
- Operation type : Momentary
- The crust material : Stainless steel
- Protection degree : IP65 IK09
- High round



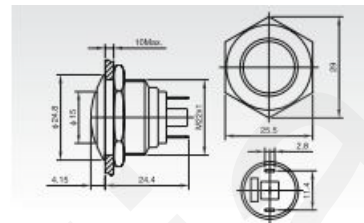
	HBGQ22H-10	
Terminal Type	Screw terminal	
Switch type	X : Two terminal breakpoints slow moving contact	
Switch specifications	2A 36Vdc	
Contact Resistance (m Ω)	≤ 50	
Insulation Resistance (M Ω)	≥ 1000	
Dielectric Strength (VAC)	2000	
Operating Temperature	-20°C ~ +55°C	
Mechanical Life (times)	> 1.000.000	
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	
Button	Stainless steel Mirror – Spiral pattern	Material
Case	Stainless steel – Nickel plated brass	
Base	PBT	

HBGQ22 -10J SERIES mounting hole : Φ 22

HBGQ22B-10J ©



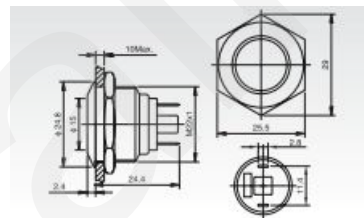
- Mounting hole size : 22mm
- Switch rating : 2A 36Vdc
- Contact configuration : 1 x NO
- Operation type : Momentary
- The crust material : Stainless steel
- Protection degree : IP65 IK09
- Domed



HBGQ22F-10J ©



- Mounting hole size : 22mm
- Switch rating : 2A 36Vdc
- Contact configuration : 1 x NO
- Operation type : Momentary
- The crust material : Stainless steel
- Protection degree : IP65 IK09
- Flat round



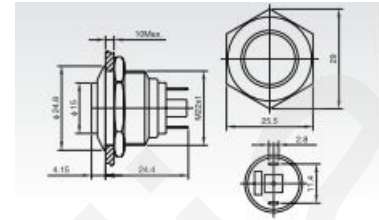
	HBGQ22B-10J	HBGQ22F-10J
Terminal Type	Pin terminal 2,8 x 0,5mm	Pin terminal 2,8 x 0,5mm
Switch type	X : Two terminal breakpoints slow moving contact	
Switch specifications	2A 36Vdc	2A 36Vdc
Contact Resistance (mΩ)	≤ 50	≤ 50
Insulation Resistance (MΩ)	≥ 1000	≥ 1000
Dielectric Strength (VAC)	2000	2000
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

HBGQ22 – 10J SERIES mounting hole : Φ 22



- Mounting hole size : 22mm
- Switch rating : 2A 36Vdc
- Contact configuration : 1 x NO
- Operation type : Momentary
- The crust material : Stainless steel
- Protection degree : IP65 IK09
- High round



	HBGQ22H-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	

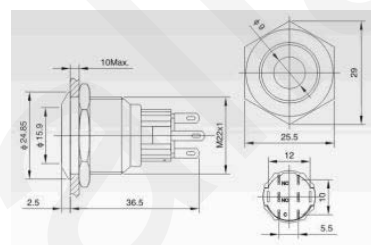
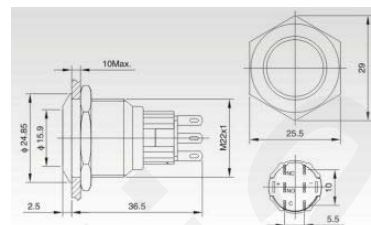
HBS1-AGQ22 SERIES mounting hole : $\Phi 22$



- Mounting hole size : 22mm
- Switch rating : 2A 250Vac1
- Contact configuration : 1 x NONC 2 x NONC
- Operation type : Momentary or Latching
- The crust material : Stainless steel
- Protection degree : IP67 IK09
- Flat round



- Mounting hole size : 22mm
- Switch rating : 2A 250Vac1
- Contact configuration : 1 x NONC 2 x NONC
- Operation type : Momentary or Latching
- The crust material : Stainless steel
- Protection degree : IP67 IK09
- Flat round DOT illumination

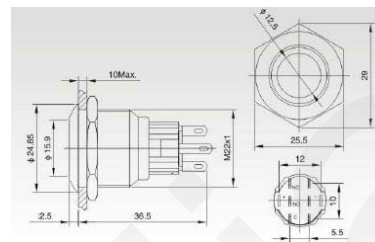


	HBS1-AGQ22	HBS1 – AGQ22 D	
Terminal Type	Pin Terminal (2.8 x 0.5mm)	Pin Terminal (2.8 x 0.5mm)	
Switch type	C : Single breakpoint snap-action changeover contacts		
Switch specifications	Ith: 5A / Ui: 250VAC	Ith: 5A / Ui: 250VAC	
Contact Resistance (mΩ)	≤ 50	≤ 50	
Insulation Resistance (MΩ)	≥ 1000	≥ 1000	
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)	> 50.000	> 50.000	
Panel Thickness (mm)	1 ~ 10	1 ~ 10	
Torque (Nm)	5 ~ 14	5 ~ 14	
Operating Pressure (N)	about 3 ~ 5	about 3 ~ 5	
Operating Stroke (mm)	about 3,1	about 3,1	
Protection Degree	IP67, IK09	IP67, IK09	
Contact	Silver Alloy	Silver Alloy	Material
Button	Stainless Steel	Stainless Steel	
Case	Stainless Steel	Stainless Steel	
Base	PBT	PBT	
Type		Dot illuminated LED	Lamp Parameter
Rated Voltage (Vac-dc)		6/12/24/110/220	
Color			
Life	50000 hours	50000 hours	

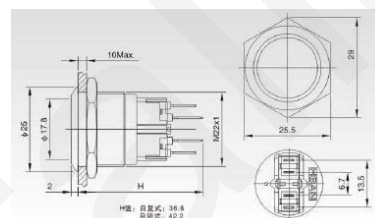
HBS1-AGQ22 HBGQ22-11 SERIES mounting hole : Φ 22



- Mounting hole size : 22mm
- Switch rating : 5A 250Vac1
- Contact configuration : 1 x NONC 2 x NONC
- Operation type : Momentary or Latching
- The crust material : Stainless steel
- Protection degree : IP67 IK09
- Flat round Ring illuminated



- Mounting hole size : 22mm
- Switch rating : 5A 250Vac1
- Contact configuration : 1 NO 1 NC
- Operation type : Momentary or Latching
- The crust material : Stainless steel
- Protection degree : IP65 IK09
- Flat round

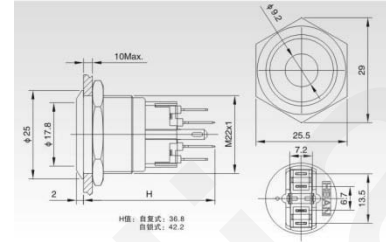


	HBS1-AGQ22 E	HBGQ22 – 11	
Terminal Type	Pin Terminal (2.8 x 0.5mm)	Pin Terminal (2.8 x 0.5mm)	
Switch type	C : Single breakpoint snap-action changeover contacts	ZA : Double break fast motion changeover contact	
Switch specifications	Ith: 5A / Ui: 250VAC	Ith: 5A / Ui: 250VAC	
Contact Resistance (mΩ)	≤ 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)	> 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	Material
Button	Stainless Steel	Stainless Steel	
Case	Stainless Steel	Stainless Steel	
Base	PBT	PA	
Type	Dot illuminated LED		Lamp Parameter
Rated Voltage (Vac-dc)	6/12/24/110/220		
Color	R G Y O B W		
Life	50000 hours		

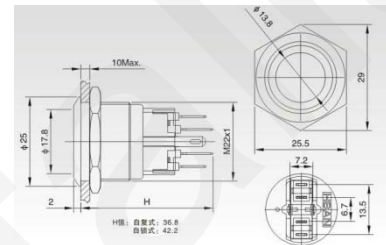
HBGQ22-11 SERIES mounting hole : $\Phi 22$



- Mounting hole size : 22mm
- Switch rating : 5A 250Vac1
- Contact configuration : 1 NO 1 NC
- Operation type : Momentary or Latching
- The crust material : Stainless steel
- Protection degree : IP67 IK09
- Flat round DOT illuminated



- Mounting hole size : 22mm
- Switch rating : 5A 250Vac1
- Contact configuration : 1 NO 1 NC
- Operation type : Momentary or Latching
- The crust material : Stainless steel
- Protection degree : IP65 IK09
- Flat round Ring illuminated



	HBGQ22 - 11 D	HBGQ22 - 11 E
Terminal Type	Pin Terminal (2.8 x 0.5mm)	Pin Terminal (2.8 x 0.5mm)
Switch type	ZA : Double break fast motion changover contact	
Switch specifications	Ith: 5A / Ui: 250VAC	Ith: 5A / Ui: 250VAC
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)	> 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 LED
Rated Voltage (Vac-dc)	6/12/24/110/220	6/12/24/110/220
Color		
Life	50000 hours	

Material

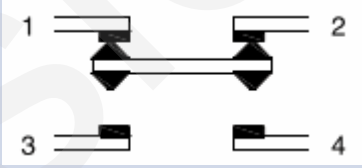
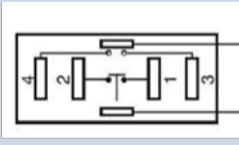
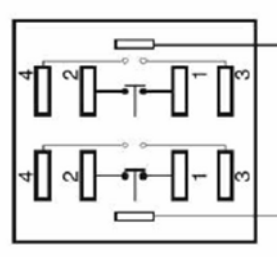
Lamp
Parameter

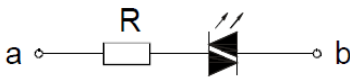
HBGQ25 SERIES mounting hole : Φ 25

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 36 110 220	N = Nickel plated brass S = Stainless S. A = Zn-Al Alloy

Description - Descrizione	Figura	
Diagramm each single contact Schema elettrico (singolo contatto)		 11NA 11NC
Symbol Simbolo		 22NA 22NC
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.	

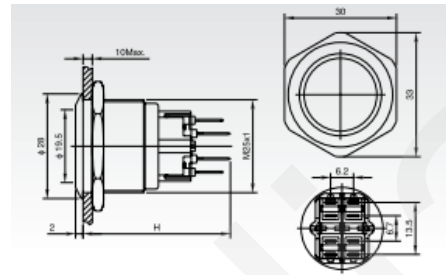
LampType	LED lamp(AC/DC)			Lamp Circuit Diagram	 Using AC/DC led lamp. Terminals have no difference of anode and cathode. Non c'è differenza di polarità ai terminali del led. Collegando una resistenza esterna si può adattare il funzionamento del led ad una tensione superiore : ad esempio il led interno è di 5V. Con una resistenza esterna da 1K il led può funzionare a 12V.
LEDColor	R G Y O B W				
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		

HBGQ25 SERIES mounting hole: Φ 25



HBGQ25-11 ■ ©

- Mounting hole size : 25mm
- Switch rating : 5A 250Vac1
- Contact configuration : 1 NO 1 NC
- Operation type : Momentary or Latching
- The crust material : Stainless steel
- Protection degree : IP65 IK09
- Flat round



	HBGQ25-11	
Terminal Type	Pin Terminal (2.8 x 0.5mm)	
Switch type	C : Single breackpoint snap-action changeover contacts	
Switch specifications	Ith: 5A / Ui: 250VAC	
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)	> 50.000	
Panel Thickness (mm)	1 ~ 10	
Torque (Nm)	5 ~ 14	
Operating Pressure (N)	about 3 ~ 5	
Operating Stroke (mm)	about 3,1	
Protection Degree	IP67, IK09	
Contact	Silver Alloy	Material
Button	Stainless Steel	
Case	Stainless Steel	
Base	PBT	
Type		
Rated Voltage (Vac-dc)		
Color		
Life		

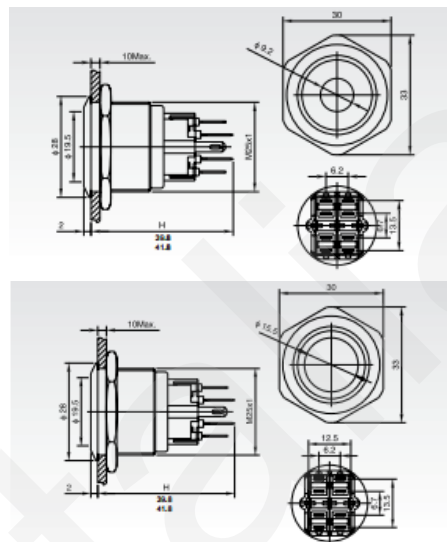
HBGQ25-11 SERIES mounting hole : Φ 25



- Mounting hole size : 22mm
- Switch rating : 5A 250Vac1
- Contact configuration : 1 NO 1 NC
- Operation type : Momentary or Latching
- The crust material : Stainless steel
- Protection degree : IP67 IK09
- Flat round DOT illuminated



- Mounting hole size : 22mm
- Switch rating : 5A 250Vac1
- Contact configuration : 1 NO 1 NC
- Operation type : Momentary or Latching
- The crust material : Stainless steel
- Protection degree : IP65 IK09
- Flat round Ring illuminated



	HBGQ25 - 11 D	HBGQ25 - 11 E
Terminal Type	Pin Terminal (2.8 x 0.5mm)	Pin Terminal (2.8 x 0.5mm)
Switch type	ZA : Double break fast motion changover contact	
Switch specifications	Ith: 5A / Ui: 250VAC	Ith: 5A / Ui: 250VAC
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)	> 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 LED
Rated Voltage (Vac-dc)	6/12/24/110/220	6/12/24/110/220
Color		
Life	50000 hours	

Material

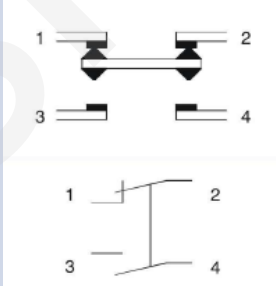
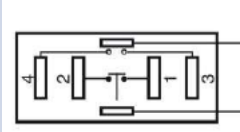
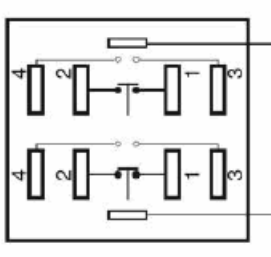
Lamp
Parameter

HBGQ30 SERIES mounting hole : Φ 30

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 36 110 220	N = Nickel plated brass S = Stainless S. A = Zn-Al Alloy

Description - Descrizione	Figura	Contatti
Diagramm each double contact Schema elettrico contatti NA NC		 11NA 11NC
Symbol Simbolo		 22NA 22NC
Nota : I contatti sono disponibili in configurazione singola 11NC 11NA O in configurazione doppia 22NC 22NA		

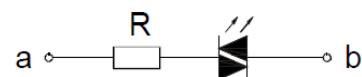
LampType	LED lamp(AC/DC)			Lamp Circuit Diagram
LEDColor	R G Y O B W			
Life	40000hours(Reference)			
RatedVoltage	AC/DC6V	AC/DC12V	AC/DC110V	
	AC/DC24V	AC/DC36V	AC/DC220V	
RatedCurrent	About15mA		About3mA	
Dropping Way	Innerresistance		Outerresistance when using6Vlamp	

a

R

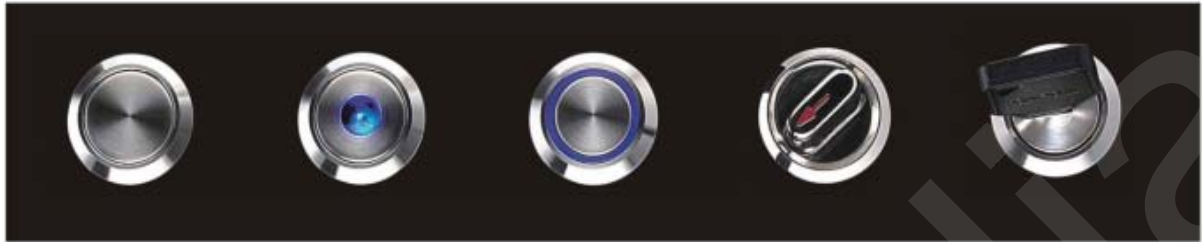
b

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.



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.

HBGQ30 SERIES mounting hole : Φ 30



Installation effect - Installazione: estetica pannello frontale

Esempio d'ordine

Pulsante tipo Flat 1NC 1NA pin terminal 3mm

HBGQ30-11S

Pulsante tipo DOT LED 2NC 2NA pin terminal 3mm:

HBGQ30-22D/S

Pulsante tipo RING LED 1NA 1NC pin terminal 3mm:

HBGQ30-11E/S



Profilo installazione pulsanti serie HBGQ30 - xx

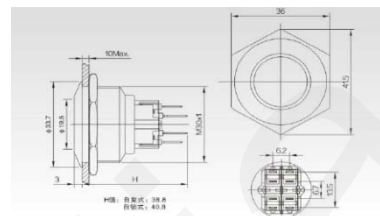
HBGQ30 -11 SERIES mounting hole : Φ 30

HBGQ30-11S ©



Φ 30

- Mounting hole size : 30mm
- Switch rating : 5A 250 Vac
- Contact configuration : 1 x NO 1 x NA
- Operation type : Momentary
- The crust material : Stainless steel
- Protection degree : IP65 IK09
- Domed



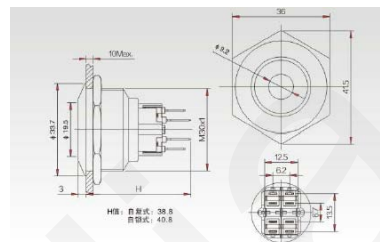
	HBGQ30S-11/S	HBGQ30-11Z	Material
Terminal Type	Pin Terminal	Pin Terminal	
Switch type	Momentary	Latch	
Switch specifications	5A-250Vac	5A-250Vac	
Contact Resistance (mΩ)	≤ 50	≤ 50	
Insulation Resistance (MΩ)	≥ 1000	≥ 1000	
Dielectric Strength (VAC)	2000	2000	
Operating Temperature	-20°C ~ +55°C	-20°C ~ +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)	5,5-7N	5,5 -7N	
Operating Stroke (mm)	about 2,8	about 2,8	
Protection Degree	IP65, IK10	IP65, IK10	
Contact	Silver Alloy	Silver Alloy	
Button	Stainless steel		
Case	Stainless steel		
Base	PA	PA	

HBGQ30 -11 SERIES mounting hole : Φ 30

HBGQ30-11D ©



- Mounting hole size : 30mm
- Switch rating : 5A 250 Vac
- Contact configuration : 1 x NO 1 x NA
- Operation type : Momentary
- The crust material : Stainless steel
- Protection degree : IP65 IK09
- Flat round DOT illumination



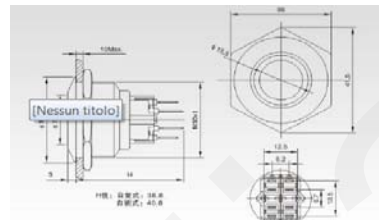
	HBGQ30S-11D/S	HBGQ30-11DZ/S	Material
Terminal Type	Pin Terminal	Pin Terminal	
Switch type	Momentary	Latch	
Switch specifications	5A-250Vac	5A-250Vac	
Contact Resistance (mΩ)	≤ 50	≤ 50	
Insulation Resistance (MΩ)	≥ 1000	≥ 1000	
Dielectric Strength (VAC)	2000	2000	
Operating Temperature	-20°C ~ +55°C	-20°C ~ +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)	5,5-7N	5,5 -7N	
Operating Stroke (mm)	about 2,8	about 2,8	
Protection Degree	IP65, IK10	IP65, IK10	
Contact	Silver Alloy	Silver Alloy	
Button	Stainless steel		
Case	Stainless steel		
Base	PBT	PBT	
Type	Dot illuminated LED	Dot illuminated LED	Lamp Parameter
Rated Voltage (Vac-dc)		6/12/24/110/220	
Color	R G Y O B W	R G Y O B W	
Life	50000 hours	50000 hours	

HBGQ30 -11 SERIES mounting hole : Φ 30

HBGQ30-11E ©



- Mounting hole size : 30mm
- Switch rating : 5A 250 Vac
- Contact configuration : 1 x NO 1 x NA
- Operation type : Momentary
- The crust material : Stainless steel
- Protection degree : IP65 IK09
- Flat round RING illumination



	HBGQ30S-11E/S	HBGQ30-11EZ/S	Material
Terminal Type	Pin Terminal	Pin Terminal	
Switch type	Momentary	Latch	
Switch specifications	5A-250Vac	5A-250Vac	
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)	5,5-7N	5,5 -7N	
Operating Stroke (mm)	about 2,8	about 2,8	
Protection Degree	IP65, IK10	IP65, IK10	
Contact	Silver Alloy	Silver Alloy	
Button	Stainless steel		
Case	Stainless steel		
Base	PBT	PBT	
Type	Ring illuminated LED	Ring illuminated LED	Lamp Parameter
Rated Voltage (Vac-dc)		6/12/24/110/220	
Color	R G Y O B W	R G Y O B W	
Life	50000 hours	50000 hours	