

## HBGQ – HBS1 19mm SERIES mounting hole : $\Phi$ 19

### Order Code - Configurazione di un modello

Configura un pulsante o un interruttore impiegando la seguente simbologia :

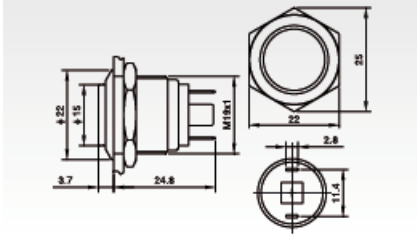
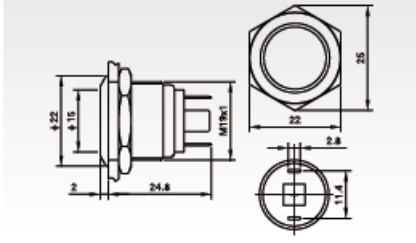
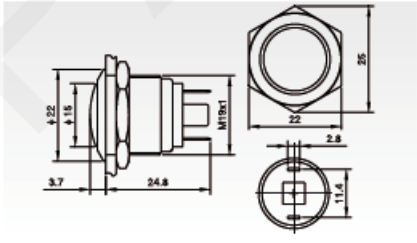
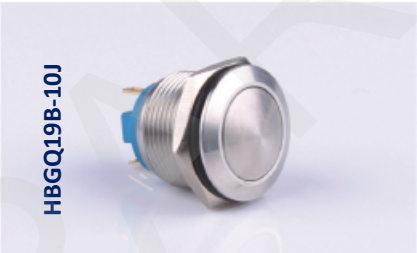
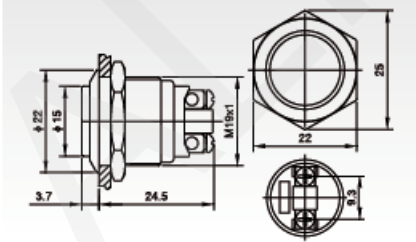
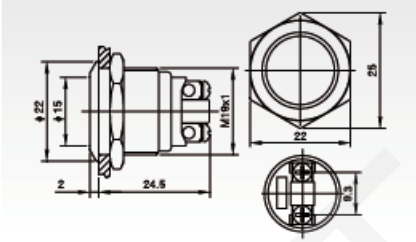
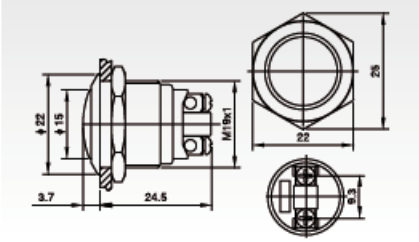
Fronte Front Shape	Contatti Contact configuration	Led Lamp Type	Contatti Oper. Type	Colore Led color	Volt Led Led volt.	Materiale Material
<b>F</b> : flat round <b>H</b> : H round <b>C</b> : concave <b>G</b> : H concave	<b>11</b> : 1NO 1NC <b>22</b> : 2NO 2NC <b>S</b> : screw terminal <b>J</b> : solder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

Description - Descrizione	Figura
Diagramm each single contact Schema elettrico ( singolo contatto )	
Symbol Simbolo	
<b>Nota :</b> 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.

## HBGQ19 19mm Series mounting hole : $\Phi$ 19

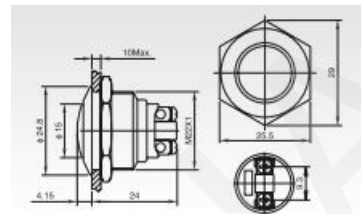


## HBGQ19B SERIES mounting hole : $\Phi$ 19



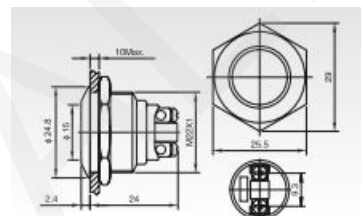
HBGQ19B-10

- 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
- Domed



HBGQ19F-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
- 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 (m $\Omega$ )	$\leq 50$	$\leq 50$
Insulation Resistance (M $\Omega$ )	$\geq 1000$	$\geq 1000$
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

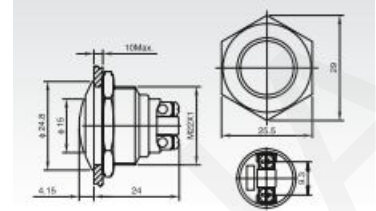
Material

HBGQ19B SERIES mounting hole :  $\Phi$  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



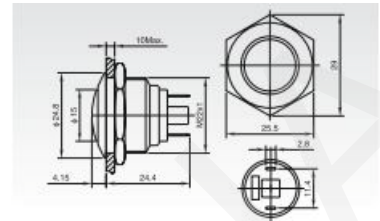
	HBGQ19H-10	
Terminal Type	Screw terminal	
Switch type	X : Two terminal breakpoints slow moving contact	
Switch specifications	2A 36Vdc	
Contact Resistance (m $\Omega$ )	$\leq 50$	
Insulation Resistance (M $\Omega$ )	$\geq 1000$	
Dielectric Strength (VAC)	2000	
Operating Temperature	-20°C ~ +55°C	
Mechanical 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	<b>Material</b>
Button	Stainless steel Mirror – Spiral pattern	
Case	Stainless steel – Nickel plated brass	
Base	PBT	

## HBGQ19J SERIES mounting hole : $\Phi$ 19



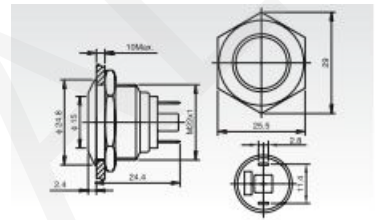
HBGQ19B-10J

- 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



HBGQ19F-10J

- 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 (m $\Omega$ )	$\leq$ 50	$\leq$ 50
Insulation Resistance (M $\Omega$ )	$\geq$ 1000	$\geq$ 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

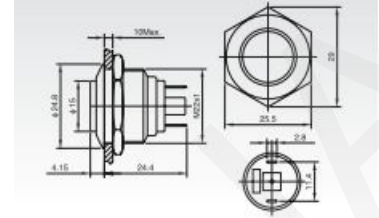
**Material**

HBGQ19J SERIES mounting hole :  $\Phi$  19

HBGQ19H-10J



- 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



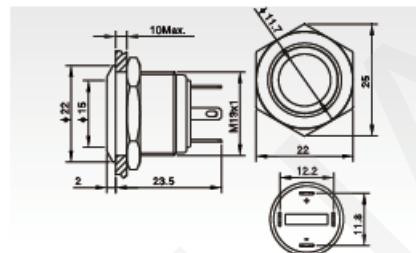
	HBGQ19H-10J	
Terminal Type	Pin terminal 2,8 x 0,5 mm	
Switch type	X : Two terminal breakpoints slow moving contact	
Switch specifications	2A 36Vdc	
Contact Resistance (m $\Omega$ )	$\leq 50$	
Insulation Resistance (M $\Omega$ )	$\geq 1000$	
Dielectric Strength (VAC)	2000	
Operating Temperature	-20°C ~ +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	<b>Material</b>
Button	Stainless steel Mirror – Spiral pattern	
Case	Stainless steel – Nickel plated brass	
Base	PBT	



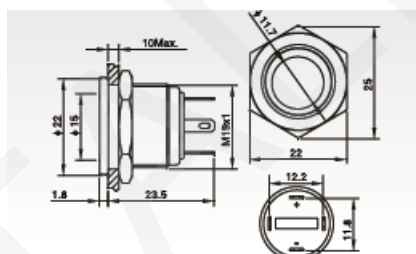
## HBGQ19F-10E SERIES mounting hole : $\Phi$ 19



- 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 breackpoint snap-action changeover contacts	ZA : Double break fast motion changeover contact	
Switch specifications	Ith: 2A / Ui: 36VDC	Ith: 2 / 36VDC	
Contact Resistance (m $\Omega$ )	$\leq 50$	$\leq 50$	
Insulation Resistance (M $\Omega$ )	$\geq 1000$	$\geq 1000$	
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	<b>Material</b>
Button	Stainless Steel	Stainless Steel	
Case	Stainless Steel	Stainless Steel	
Base	PBT	PA	
Type	Dot illuminated LED	Ring illuminated	<b>Lamp</b>
Rated Voltage (Vac-dc)	6/12/24/110/220	6/12/24/110/220	
Color	<span style="color:red">R</span> <span style="color:green">G</span> <span style="color:yellow">Y</span> <span style="color:orange">O</span> <span style="color:blue">B</span> <span style="border: 1px solid black; padding: 0 2px;">W</span>	<span style="color:red">R</span> <span style="color:green">G</span> <span style="color:yellow">Y</span> <span style="color:orange">O</span> <span style="color:blue">B</span> <span style="border: 1px solid black; padding: 0 2px;">W</span>	
Life	50000 hours		

## HBGQ – HBS1 19mm 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
<b>F</b> : flat round <b>H</b> : H round <b>C</b> : concave <b>G</b> : H concave	<b>11</b> : 1NO 1NC <b>22</b> : 2NO 2NC <b>S</b> : screw terminal <b>J</b> : solder terminal  Action of selector and Key - lock button Azione del selettore 1 Keep 3 Full- momentary	<b>D</b> : dot led <b>E</b> : ring led  Operation position of selector and key - lock button : Posizione del selettore 2 Position 2 3 Position 3	<b>Z</b> : latching <b>X</b> : selector <b>Y</b> : key-lock <b>M</b> : buzzer <b>SM</b> : flash buz. No letter : <b>Push button Pulsante</b>	<b>R</b> Red <b>G</b> Green <b>Y</b> Yellow <b>O</b> Orange <b>B</b> Blue <b>W</b> White	<b>6</b> <b>12</b> <b>24</b> <b>36</b> <b>110</b> <b>190</b>	<b>N</b> = Nickel plated brass <b>S</b> = Stainless S. <b>A</b> = Zn-Al Alloy

Description - Descrizione	Figura	
Diagramm each single contact Schema elettrico ( singolo contatto )		
Symbol Simbolo		<p>1, 2 for NC                      3, 4 for NO                      +, - for LED</p>
<b>Nota :</b> 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 <p>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.</p>
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	

# Metal Pushbuttons

*Parsic Italia*

HBGQ – HBS1 19mm SERIES

mounting hole :  $\Phi$  19



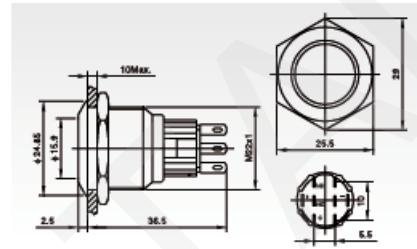
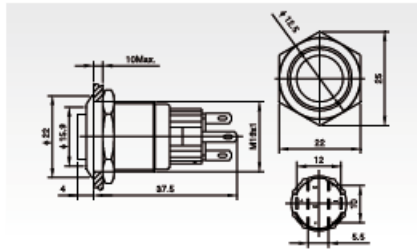
## HBGQ19 SERIES mounting hole : $\Phi$ 19



HBS1AGQH-ES



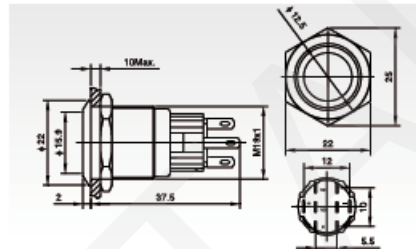
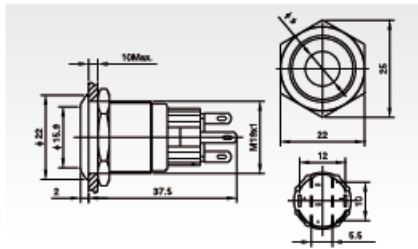
HBS1AGQ-S



■ = contatti ▲ = colore ▲ = V Led

■ ▲ ▲		HBS1AGQH-ES	HBS1AGQ-S
Terminal Type		Pin Terminal (2.8 x 0.5mm)	Pin Terminal (2.8 x 0.5mm)
Switch Type		Momentary or Latching	
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
Tonque (Nm)		5 ~ 14	5 ~ 14
Operating Pressure (N)		3 ~ 5	3 ~ 5
Operating Stroke (mm)		about 3.1	about 3.1
Protection Degree		IP67, IK09	IP67, IK09
Material	Contact	Silver Alloy	Silver Alloy
	Button	Stainless Steel	Stainless Steel
	Case	Stainless Steel	Stainless Steel
	Base	PBT	PBT
Lamp Parameters	Type	Dot-illuminated LED	Ring-illuminated LED
	Rated Voltage (V)	6 / 12 / 24 / 110 / 220	6 / 12 / 24 / 110 / 220
	Color	<b>R</b> <b>G</b> <b>Y</b> <b>O</b> <b>B</b> <b>W</b>	<b>R</b> <b>G</b> <b>Y</b> <b>O</b> <b>B</b> <b>W</b>
	Life	50.000	50.000

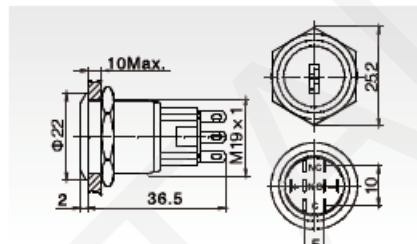
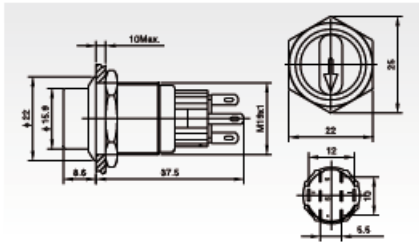
## HBS1GQ19 SERIES mounting hole : $\Phi$ 19



■ = contatti ▲ = colore ▲ = V Led

■ ▲ ▲		HBS1AGQ-DS	HBS1AGQ-ES
Terminal Type		Pin Terminal (2.8 x 0.5mm)	Pin Terminal (2.8 x 0.5mm)
Switch Type		Momentary or Latching	
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
Tonque (Nm)		5 ~ 14	5 ~ 14
Operating Pressure (N)		3 ~ 5	3 ~ 5
Operating Stroke (mm)		about 3.1	about 3.1
Protection Degree		IP67, IK09	IP67, IK09
Material	Contact	Silver Alloy	Silver Alloy
	Button	Stainless Steel	Stainless Steel
	Case	Stainless Steel	Stainless Steel
	Base	PBT	PBT
Lamp Parameters	Type	Dot-illuminated LED	Ring-illuminated LED
	Rated Voltage (V)	6 / 12 / 24 / 110 / 220	6 / 12 / 24 / 110 / 220
	Color	R G Y O B W	R G Y O B W
	Life	50.000	50.000

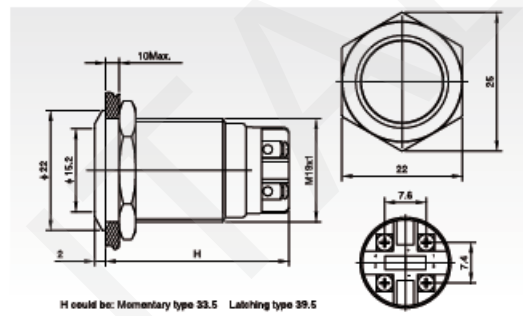
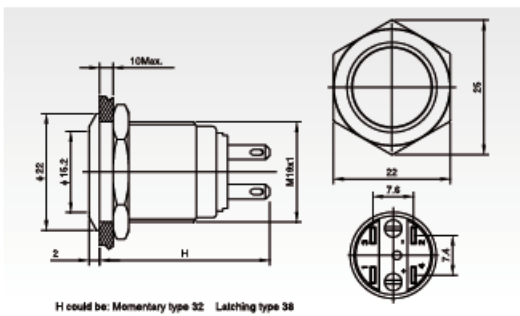
## HBS1AGQ19 SERIES mounting hole : $\Phi$ 19



■ = contatti ▲ = colore ▲ = V Led ◆● = Key Lock Selector

■ ▲ ▲ ◆●		HBS1AGQ-X	HBS1AGQ-Y
Terminal Type		Pin Terminal (2.8 x 0.5 mm)	Pin Terminal (2.8 x 0.5 mm)
Switch Type		X= Selector Switch Y= Ley-Lock button M= Buzzer	
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)		> 500.000	> 500.000
Electrical Life (times)		> 50.000	> 50.000
Panel Thickness (mm)		1 ~ 10	1 ~ 10
Tonque (Nm)		5 ~ 14	5 ~ 14
Protection Degree		IP65	-
Material	Contact	Silver Alloy	Silver Alloy
	Button	Stainless Steel	Stainless Steel
	Case	Stainless Steel	Stainless Steel
	Base	PBT	PBT
Lamp Parameters	Type	Arrow LED / Pfeil LED	-
	Rated Voltage (V)	1.8 / 2.8 / 6 / 12 / 24 / 110 / 220	-
	Color	<b>R G Y O B W</b>	-
	Life	50.000	-

## HBS1AGQ19 SERIES mounting hole : $\Phi$ 19



■ = contatti ▲ = colore ▲ = V Led ◆● = Key Lock - Selector - Buzzer

■ ▲ ▲ ◆		HBS1AGQ-S	HBS1AGQ-EM
Terminal Type		Pin Terminal (2.8 x 0.5mm)	Pin Terminal (2.8 x 0.5mm)
Switch Type			- M= Buzzer
Switch Specifications		Ith: 5A / Ui: 250VAC	-
Contact Resistance (mΩ)		≤ 50	-
Insulation Resistance (MΩ)		≥ 1000	-
Dielectric Strength (VAC)		2000	2000
Operating Temperature		-20°C ~ +55°C	-20°C ~ +55°C
Mechanical Life (times)		> 1.000.000	-
Electrical Life (times)		> 50.000	-
Panel Thickness (mm)		1 ~ 10	1 ~ 10
Tonque (Nm)		5 ~ 14	5 ~ 14
Operating Pressure (N)		about 4	-
Operating Stroke (mm)		about 2.5	-
Protection Degree		IP67, IK09	IP50, IK04
Material	Contact	Silver Alloy	-
	Button	Stainless Steel	Stainless Steel
	Case	Stainless Steel	Stainless Steel
	Base	PBT	PBT
Lamp Parameters	Type	-	Buzzer / Buzzer with illumination
	Rated Voltage (V)	-	12 / 24
	Color		<b>R</b> <b>G</b> <b>Y</b> <b>O</b> <b>B</b> <b>W</b>
	Sound Intensity (dB)	-	≥ 85 (1m)

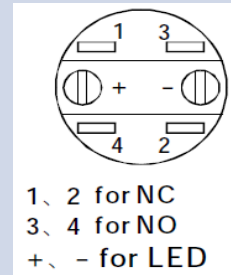
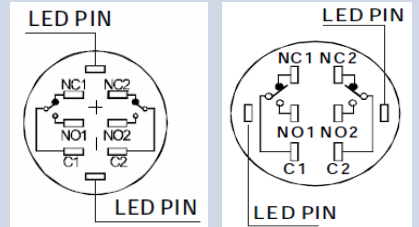
## HBS1GQ 19mm Series mounting hole : $\Phi$ 19

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

Description - Descrizione	Figura
Diagramm each single contact Schema elettrico ( singolo contatto ) 	
= contatti  = colore  = V Led Per ogni ordine specificare sempre il numero dei contatti , il colore led, la tesione di lavoro led	
<b>Nota :</b> 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.

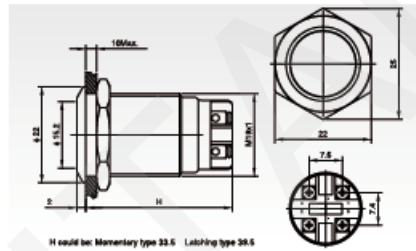
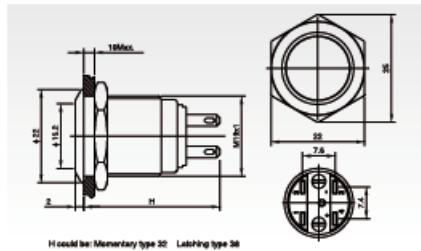
# Metal Pushbuttons

*Parsic Italia*

HBS1GQ19 SERIES mounting hole :  $\Phi$  19



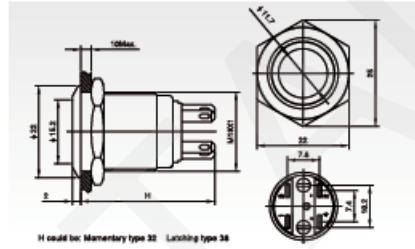
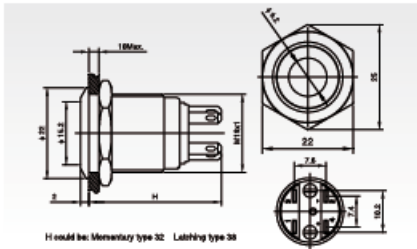
## HBS1GQ19 SERIES mounting hole : $\Phi$ 19



■ = contatti

■	HBS1GQ-11S	HBS1GQ1-11LS	
Terminal Type	Pin Terminal (2.8 x 0.5 mm)	Screw Terminal	
Switch Type	Momentary or Latching		
Switch Specifications	Ith: 5A / Ui: 250VAC	Ith: 5A / Ui: 250VAC	
Contact Resistance (m $\Omega$ )	$\leq 50$	$\leq 50$	
Insulation Resistance (M $\Omega$ )	$\geq 1000$	$\geq 1000$	
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	
Tonque (Nm)	5 ~ 14	5 ~ 14	
Operating Pressure (N)	about 4	about 4	
Operating Stroke (mm)	about 2.5	about 2.5	
Protection Degree	IP65 / IP67, IK09	IP65 / IP67, IK09	
Material	Contact	Silver Alloy	Silver Alloy
	Button	Stainless Steel	Stainless Steel
	Case	Stainless Steel	Stainless Steel
	Base	PC	PC

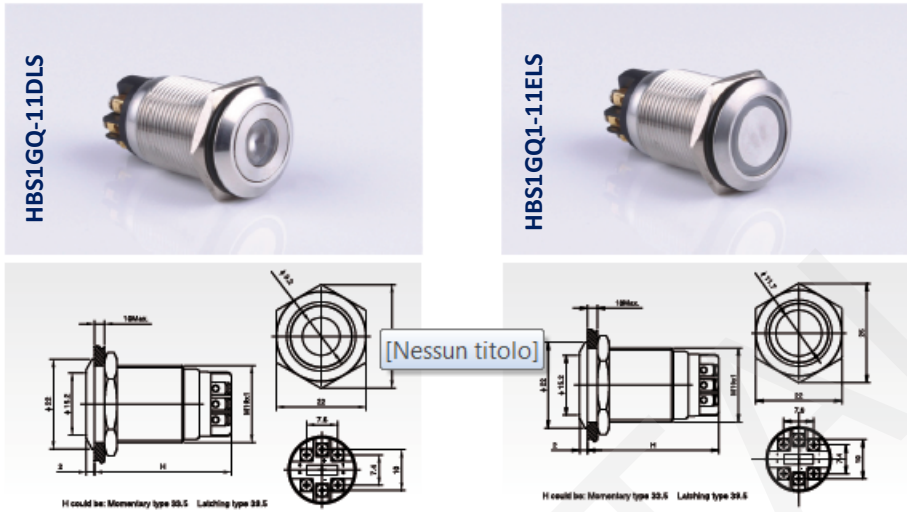
## HBS1GQ19 SERIES mounting hole : $\Phi$ 19



■ = contatti ▲ = colore ▲ = V Led

■ ▲ ▲		HBS1GQ-11DS	HBS1GQ1-11ES
Terminal Type		Screw Terminal	Screw Terminal
Switch Type		Momentary or Latching	
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)		> 200.000	> 200.000
Panel Thickness (mm)		1 ~ 10	1 ~ 10
Tonque (Nm)		5 ~ 14	5 ~ 14
Operating Pressure (N)		about 4	about 4
Operating Stroke (mm)		about 2.5	about 2.5
Protection Degree		IP65 (IP67), IK09	IP65 (IP67), IK09
Material	Contact	Silver Alloy	Silver Alloy
	Button	Stainless Steel	Stainless Steel
	Case	Stainless Steel	Stainless Steel
	Base	PC	PC
Lamp Parameters	Type	Dot-illuminated LED	Ring-illuminated LED
	Rated Voltage (V)	6 / 12 / 24 / 110 / 220	6 / 12 / 24 / 110 / 220
	Color	<b>R</b> <b>G</b> <b>Y</b> <b>O</b> <b>B</b> <b>W</b>	<b>R</b> <b>G</b> <b>Y</b> <b>O</b> <b>B</b> <b>W</b>
	Life	50.000	50.000

## HBS1GQ19 SERIES mounting hole : $\Phi$ 19

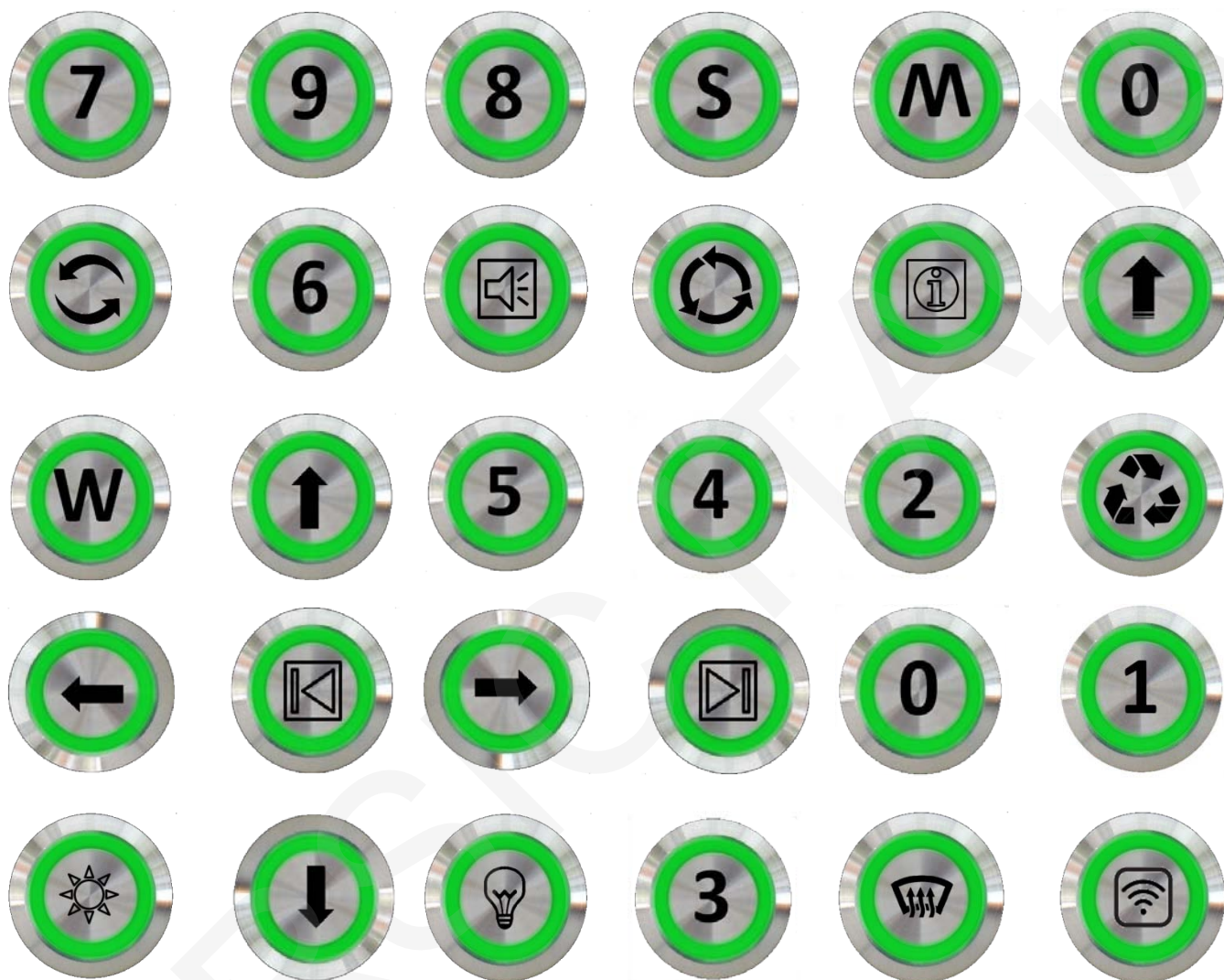


■ = contatti ▲ = colore ▲ = V Led

■ ▲ ▲		HBS1GQ-11DLS	HBS1GQ1-11ELS
Terminal Type		Screw Terminal	Screw Terminal
Switch Type		Momentary or Latching	
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)		> 200.000	> 200.000
Panel Thickness (mm)		1 ~ 10	1 ~ 10
Tonque (Nm)		5 ~ 14	5 ~ 14
Operating Pressure (N)		about 4	about 4
Operating Stroke (mm)		about 2.5	about 2.5
Protection Degree		IP65 (IP67), IK09	IP65 (IP67), IK09
Material	Contact	Silver Alloy	Silver Alloy
	Button	Stainless Steel	Stainless Steel
	Case	Stainless Steel	Stainless Steel
	Base	PC	PC
Lamp Parameters	Type	Dot-illuminated LED	Ring-illuminated LED
	Rated Voltage (V)	6 / 12 / 24 / 110 / 220	6 / 12 / 24 / 110 / 220
	Color	<b>R</b> <b>G</b> <b>Y</b> <b>O</b> <b>B</b> <b>W</b>	<b>R</b> <b>G</b> <b>Y</b> <b>O</b> <b>B</b> <b>W</b>
	Life	50.000	50.000

HBGQ – HBS1 19mm SERIES mounting hole :  $\Phi$  19 .

SERIGRAFIE



Per mezzo di stampa Laser, è possibile realizzare serigrafie grafiche ed alfanumeriche, sui tasti della serie HBGQ ed HBS1, partendo dal diametro minimo 19mm. Le lavorazioni offrono la massima personalizzazione del proprio interruttore, inviando, all'atto dell'ordine, i simboli o lettere personalizzate in formato PDF.