

Specification

(product type): Waterproof metal switch		
(product name): Φ 19mm ring led Metal Push button switch		
(part No.): HBS1GQ-11E/G/24V/L/S		
(Signatures)		
(Approved)	(Checked)	(Drawn)

(Customer)		
(Corporation):		
(Part No.): HBS1GQ-11E/G/24V/L/S		
(Customer Signatures)		

Part No.: HBS1GQ-11E/G/24V/L/S

Feature

*Waterproof, IP65

IP65

*Destruction resistance, IK09

IK09

* Screw Terminal

Descriptions

*The crust of this

Φ19mm

push button switch with diameter Φ19mm is Stainless Steel

The material of button is Stainless Steel

Applications

*Shipping

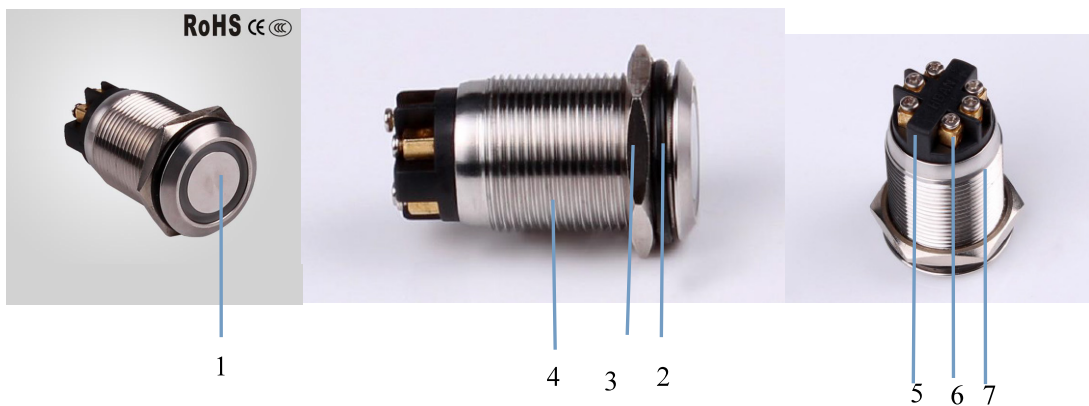
*Security Equipment

*Household appliance

*Medical equipment

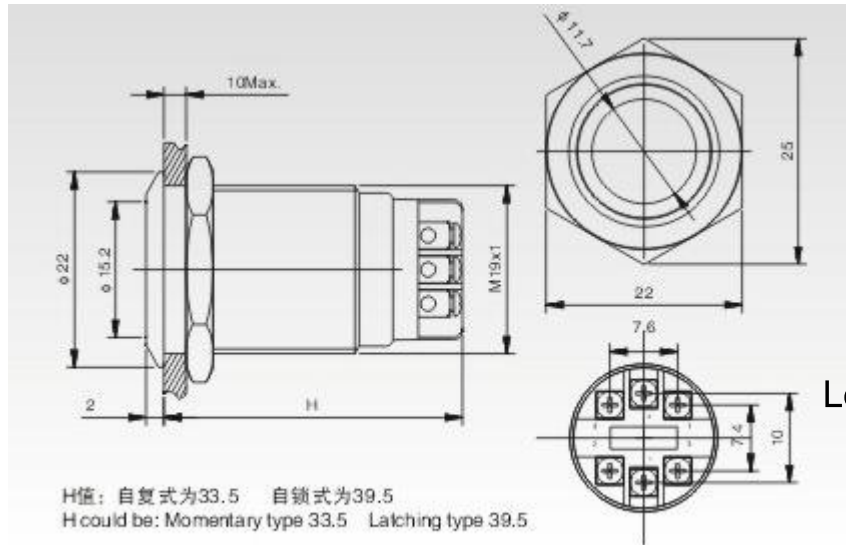
*Etc.

Package dimension



1. Button: Stainless Steel
2. Black Waterproof Coil : Silicone rubber
3. Nut: Nickel-plated Brass
4. Crust: Stainless Steel
5. Base: PBT
6. Screw terminal: Gold-plated Brass

7. Screw terminal: Gold-plated Brass



Length: Momentary 33.5mm

Latching 39.5mm

Mounting Hole Size: $\Phi 19\text{mm}$

Contact Configuration: 1NO1NC

Rating Value: 5A/250VAC

Operation Type: Momentary/Latching

The Crust Material: Stainless Steel

IP Degree: IP65, IK09

Switch Structure Explanation

Type	Za
Diagram	
Symbol	
Explanation	Double break snap-action changeover contacts switch with four terminals.

Pin Description

<p>1、 NC: pin 1, pin 2 is normally closed contact NC.</p> <p>3、 NO: pin 3, pin 4 is normally open contact NO.</p> <p>+ , - pins are LED lamp pins, normal lamp configuration has no differentiate between positive and negative ;</p> <p>LED and switch pin are separated, but switch and external circuit can control the LED state by connecting the LED pin.</p>

Main technical parameter

Specification		HBS1GQ-11E/G/24V/L/S
Head shape		Flat Round
Terminal type		Screw terminal
Switch type		Za(Double-break point fast-motion changeover contact)
Contact Resistance		$\leq 50m\Omega$
Insulation Resistance		$\geq 1000M\Omega$
Dielectric Indensity		2000VAC
Operating Temp		-20°C - +55°C
Mechanical Life		1,000,000 cycles
Electric Life		5,0000 cycles
Panel thickness		1 -10mm
Nut Torque		5-14Nm
Protection Degree		IP65,IK09
Material	Contact	Silver Alloy
	Button	Stainless Steel
	Case	Stainless Steel
	Base	PBT
Led parameter	Led Type	Ring Led
	Rated voltage	3V/6V/12V/24V/110V/220V
	Led color	Red/Green/Blue/Orange/White/Yellow
	Life	50,000hours

Package



Waterproof coil installation method

Waterproof coil installation method

Program	In the panel front	In the panel rear
Installation Diagram	<p>Type O waterproof coil</p> <p>The diagram shows a cross-section of a panel with a coil installed in the front. The coil is positioned between the panel and a substrate. An arrow points to the coil.</p>	<p>Type O waterproof coil</p> <p>The diagram shows a cross-section of a panel with a coil installed in the rear. The coil is positioned between the panel and a substrate. An arrow points to the coil.</p>

LEAD Zhejiang LEAD Product Technic Co.,LTD
TEST REPORT

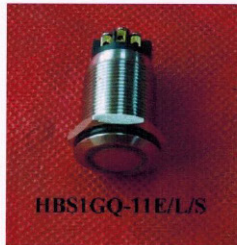
Refer. No: STL/R134871

1. Consigned test: IP65 Test
2. Testing laboratory: Zhejiang LEAD Product Technic Co., Ltd.
3. Date(s) of performance of test: Aug 9, 2013 ~ Aug 12, 2013
4. Test item description: Push Button Switch
5. Model/Type reference: HBS1GQ-11E/L/S
6. Test sample quantity: 1
7. Test sample tag: 134871-1
8. Test standard: IEC60529:2001 Degrees of protection provided by enclosure(IP code)
9. Test results:

IEC60529: 2001	Test	Requirement	Verdict
5.1.6	Protected against access to hazardous parts with a wire	The access probe of 1.0mm Φ shall not penetrate	P
5.2.6	Dust-tight	No ingress of dust	P
6.5	Protected against water jets	Water projected in jets against the enclosure from any direction shall have no harmful effects	P

Testing conclusion: the sample pass IP65 Test

12. Test instruction: only test on the surface of the push button
13. The test results presented in this report relate only to the object tested.
14. This test report relates to the a.m. test item. Without written permission of ZHEJIANG LEAD this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry the test mark on this or similar products.



Approved By: *[Signature]*

Date: Aug 12, 2013

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