LAS2GQ

Metal Push Button



Part–number Description

LAS2	GQ	★	□	■	◇	○	△	▲	◎	☆
Code of series		**The Front shape** **F** Flat Round **H** High Round **C** Concave round **G** High concave round **PF** Super Flat Head +Flat Button **PH** Super Flat Head +High Flat Button	**Contact structure** 11 1NO1NC 22 2NO2NC **No letter means signal lamp**	**Operation Type** Z Latching No letter means Momentary	**Lamp Type** D Dot E Ring	**Illuminated type** T Power symbol No letter means standard type **Other symbol can be made to order**	**Lamp color and colorized button** R Red G Green Y Yellow O Orange B Blue W White	**Lamp Voltage** AC/DC 6V AC/DC 12V AC/DC 24V AC/DC 110V AC/DC 220V **Note: Other voltage can be made to order**	**Crust material** **N** Nickel–plated Brass **S** Stainless steel **A** Aluminium Alloy	**IP Rating** FP IP67 No letter means IP40

Note: Pls read the catalogue carefully, and choose the right part–number according to the sign.

Specifications

Operating Temperature	–25℃~+55℃(no freezing) keep the air flowing around illuminated pushbutton
Operating Humidity	45~85%RH(no condensation)
Contact Resistance	≤50mΩ
Insulation Resistance	≥1000MΩ
Dielectric Strength	2000V,A C50Hz,5 seconds
Vibration Resistance	50Hz,Amplitude 1.2mm
Shock Resistance	> 10g
Solder Heat Resistance	320℃(or 30W soldering iron) no more than 2 seconds)

Switch Rating

Rated Insulation Voltage Ui			250V			
Thermal Current Ith			3A			
Rated voltage			12V	24V	110V	220V
Rated Operation Current	AC 50/60Hz	Resistive load	—	—	1A	0.5A
		Inductive load	—	—	0.7A	0.5A
	DC	Resistive load	1A	1A	0.2A	—
		Inductive load	0.7A	0.7A	0.1A	—
Contact material			Silver Alloy			

Minimum load: 3VAC/DC,5mA(Reference)
Application scope depends on operating environment and load type

Standard and Certification

Standard	Certification Mark	Certificate Authority/Certification Number
GB14048.5–2008	CCC	CCC/2011010305485983
EN61058–1:2002+A2:2008	CE	VOV/VT11018805
EN60947–1:2004	CE	CTS/CTS070706–01006–E

Switching Operation

Type	C
Sign	NO, C, NC
Diagram	NO, C, NC

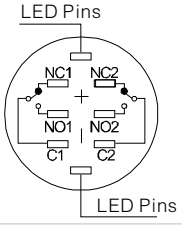
Explanation:Using three terminals,single–break and fast–motion change over contact.

Lamp Ratings

Lamp Type	LED lamp(AC/DC)
Led Color	R G Y O B W
Life	40000 hours (Reference)
Rated Voltage	AC/DC6V,AC/DC12V,AC/DC24V,AC/DC36V,AC110V,AC250V
Rated Current	5~48V About 15mA; 110~250V About 2mA
Dropping Way	Inner resistance;Outer resistance when using 6V lamp.
Lamp Circuit Diagram	Using AC/DC LED lamp,the terminals have no difference of anode and cathode:Using inner resistance,do not need connect outer resistance. **Using 6V lamp when the lamp voltage is above 60V,and need connect outer droppingresistance.** a — R — b

Note: DC LED and other voltage can be made to order.

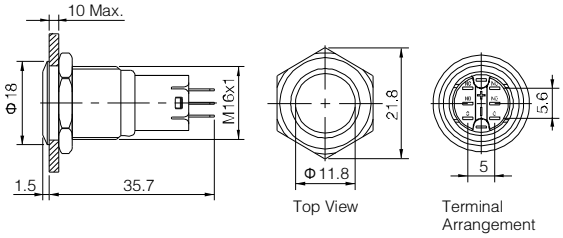
Terminal Description



Two sets at most.
C1,NO1,NC1 and C2,NO2,NC2 are one set respectively; C is commonused, NO is normal opened,NC is normal closed; +,– are lamp terminals,the standard LED have no difference of anode and cathode; Lamp and switch are relatively independent and canuse switch or peripheral circuit to control the lamp state.

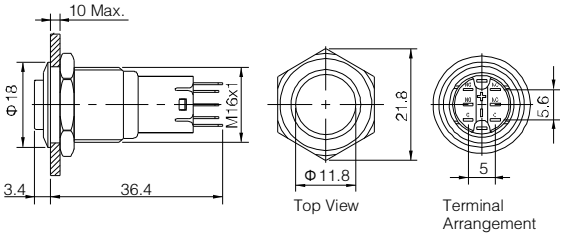


- Install diameter: Φ16mm
- Switch Max Rating: Ith:3A, Ui:250V
- Button shape: Flat Round
- Contact Configuration(□): 1NO1NC(11)/ 2NO2NC(22)
- Operation Type(■): Momentary / Latching(Z)
- Crust material(◎): Stainless steel(S)/ Nickel plated brass(N)/Aluminium Alloy(A)
- IP Rating(☆): IP40/IP67(FP),IK09



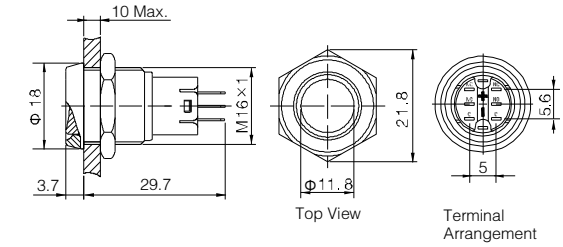


- Install diameter: Φ16mm
- Switch Max Rating: Ith:3A, Ui:250V
- Button shape: High Flat Round
- Contact Configuration(□): 1NO1NC(11)/ 2NO2NC(22)
- Operation Type(■): Momentary / Latching(Z)
- Crust material(◎): Stainless steel(S)/ Nickel plated brass(N)/Aluminium Alloy(A)
- IP Rating(☆): IP40/IP67(FP),IK09



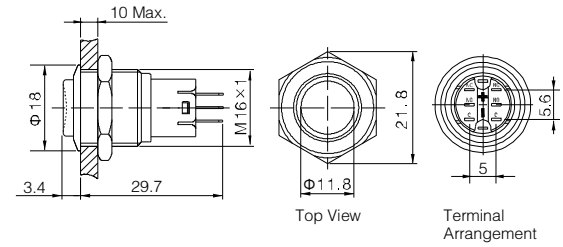


- Install diameter: Φ16mm
- Switch Max Rating: Ith:3A, Ui:250V
- Button shape: Concave Round
- Contact Configuration(□): 1NO1NC(11)/ 2NO2NC(22)
- Operation Type(■): Momentary / Latching(Z)
- Crust material(◎): Stainless steel(S)/ Nickel plated brass(N)/Aluminium Alloy(A)
- IP Rating(☆): IP40/IP67(FP),IK09



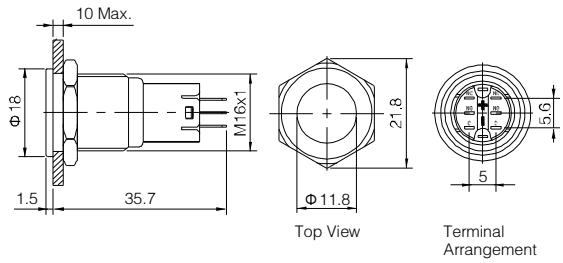


- Install diameter: Φ16mm
- Switch Max Rating: Ith:3A, Ui:250V
- Button shape: High concave Round
- ContactConfiguration(□): 1NO1NC(11)/ 2NO2NC(22)
- Operation Type(■): Momentary / Latching(Z)
- Button Color(△): R G Y O B W N
- Crust material(◎): Stainless steel(S)/ Nickel plated brass(N)
- IP Rating(☆): IP40/IP67(FP),IK09



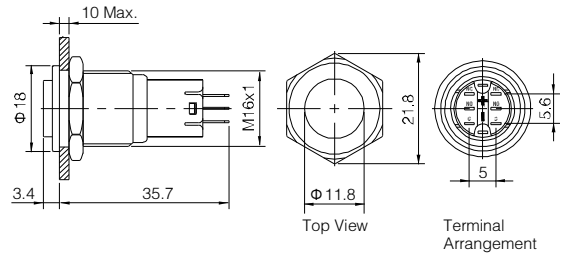


- Install diameter: Φ16mm
- Switch Max Rating: Ith:3A, Ui:250V
- Button shape: Super Flat Round
- Contact Configuration(□): 1NO1NC(11)/ 2NO2NC(22)
- Operation Type(■): Momentary / Latching(Z)
- Crust material(◎): Stainless steel(S)/
- Nickel plated brass(N)
- IP Rating(☆): IP40/IP67(FP),IK09



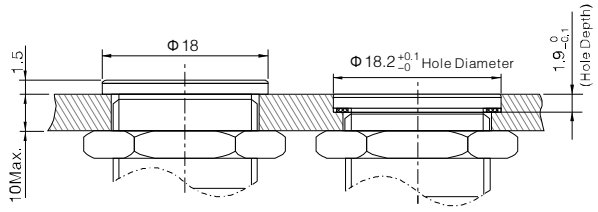


- Install diameter: Φ16mm
- Switch Max Rating: Ith:3A, Ui:250V
- Button shape: High Super Flat Round
- Contact Configuration(□): 1NO1NC(11)/ 2NO2NC(22)
- Operation Type(■): Momentary / Latching(Z)
- Crust material(◎): Stainless steel(S)/
- Nickel plated brass(N)
- IP Rating(☆): IP40/IP67(FP),IK09



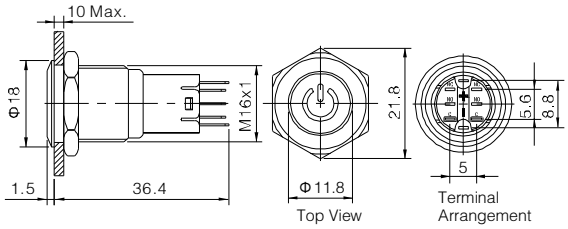
LAS2GQF-□■/◎/☆		LAS2GQPF-□■/◎/☆	
LAS2GQH-□■/◎/☆		LAS2GQPH-□■/◎/☆	
LAS2GQC-□■/◎/☆		LAS2GQG-□■/△/◎/☆	
Terminal Type	Pin Terminal(1.8x0.4mm)	**Material** **Button**	StainlessSteel/Aluminium alloy (Black)
Switching	C(single-breakfast-motion changeover contact)	**Crust**	Stainless steel/Nickel plated Brass/ Aluminium alloy black anodized
Panel Thickness	1 ~ 10mm	**Base**	PBT
Torque	0.6Nm	**Operation Pressure**	2.5~4N
Mechanical Life	200,000 cycles	**Operation Travel**	About 2.8mm
Electrical Life	50,000 cycles	**RoHS**	Made to order

LAS2GQ super flat head install way:



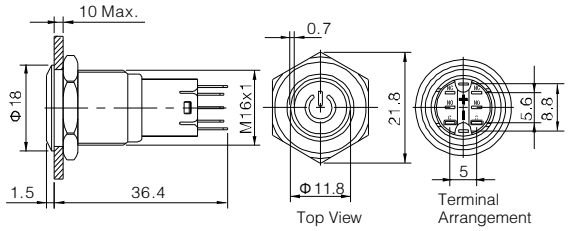


- If you need Indicator, The part number is: LAS2GQF-DT/△/▲/◎/☆
- Install diameter: Φ16mm
- Switch Max Rating: Ith:3A, Ui:250V
- Button shape: Flat head
- ContactConfiguration(□): 1NO1NC(11)/ 2NO2NC(22)
- Operation Type(■): Momentary / Latching(Z)
- LED Color(△): R G Y O B W
- LED Voltage(▲): 6V/12V/24V/110V/220V
- Crust material(◎): Stainless steel(S)/ Nickel plated brass(N)
- IP Rating(☆): IP40/IP67(FP),IK09



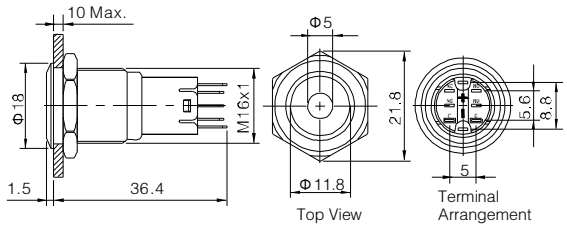


- If you need Indicator, The part number is: LAS2GQF-ET/△/▲/◎/☆
- Install diameter: Φ16mm
- Switch Max Rating: Ith:3A, Ui:250V
- Button shape: Flat head Ring illuminated
- ContactConfiguration(□): 1NO1NC(11)/ 2NO2NC(22)
- Operation Type(■): Momentary / Latching(Z)
- LED Color(△): R G Y O B W
- LED Voltage(▲): 6V/12V/24V/110V/220V
- Crust material(◎): Stainless steel(S)/ Nickel plated brass(N)
- IP Rating(☆): IP40/IP67(FP),IK09



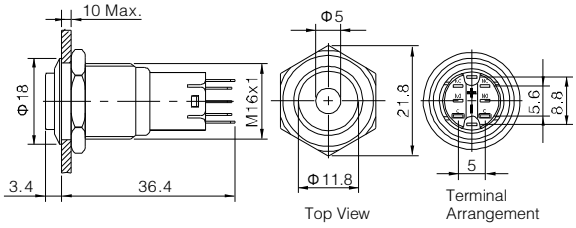


- If you need Indicator, The part number is: LAS2GQF-D/△/▲/◎/☆
- Install diameter: Φ16mm
- Switch Max Rating: Ith:3A, Ui:250V
- Button shape: Flat head Dot illuminated
- ContactConfiguration(□): 1NO1NC(11)/ 2NO2NC(22)
- Operation Type(■): Momentary / Latching(Z)
- LED Color(△): R G Y O B W
- LED Voltage(▲): 6V/12V/24V/110V/220V
- Crust material(◎): Stainless steel(S)/ Nickel plated brass(N)/Aluminium anodized(A)
- IP Rating(☆): IP40/IP67(FP),IK09



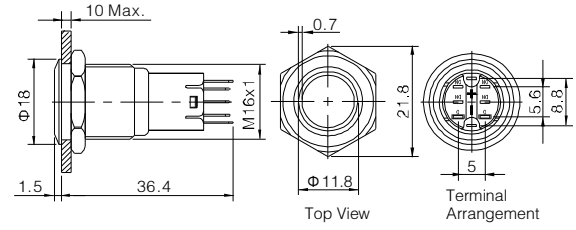


- If you need Indicator, The part number is: LAS2GQH-D/△/▲/◎/☆
- Install diameter: Φ16mm
- Switch Max Rating: Ith:3A, Ui:250V
- Button shape: High Flat head Dot illuminated
- ContactConfiguration(□): 1NO1NC(11)/ 2NO2NC(22)
- Operation Type(■): Momentary / Latching(Z)
- LED Color(△): R G Y O B W
- LED Voltage(▲): 6V/12V/24V/110V/220V
- Crust material(◎): Stainless steel(S)/ Nickel plated brass(N)/Aluminium anodized(A)
- IP Rating(☆): IP40/IP67(FP),IK09



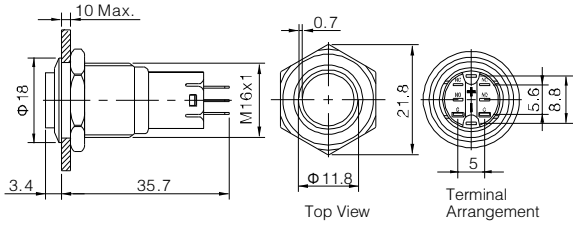


- If you need Indicator, The part number is: LAS2GQF-E/△/▲/◎/☆
- Install diameter: Φ16mm
- Switch Max Rating: Ith:3A, Ui:250V
- Button shape: Flat head Ring illuminated
- ContactConfiguration(□): 1NO1NC(11)/ 2NO2NC(22)
- Operation Type(■): Momentary / Latching(Z)
- LED Color(△): R G Y O B W
- LED Voltage(▲): 6V/12V/24V/110V/220V
- Crust material(◎): Stainless steel(S)/ Nickel plated brass(N)/Aluminium anodized(A)
- IP Rating(☆): IP40/IP67(FP),IK09





- If you need Indicator, The part number is: LAS2GQH-E/△/▲/◎/☆
- Install diameter: Φ16mm
- Switch Max Rating: Ith:3A, Ui:250V
- Button shape: High Flat head Ring illuminated
- ContactConfiguration(□): 1NO1NC(11)/ 2NO2NC(22)
- Operation Type(■): Momentary / Latching(Z)
- LED Color(△): R G Y O B W
- LED Voltage(▲): 6V/12V/24V/110V/220V
- Crust material(◎): Stainless steel(S)/ Nickel plated brass(N)/Aluminium anodized(A)
- IP Rating(☆): IP40/IP67(FP),IK09

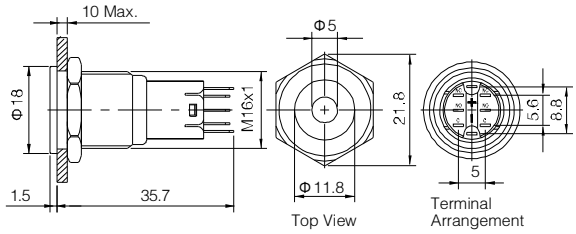


LAS2GQF-□■DT/△/▲/◎/☆ **LAS2GQF-□■ET/△/▲/◎/☆**
LAS2GQF-□■D/△/▲/◎/☆ **LAS2GQH-□■D/△/▲/◎/☆**
LAS2GQF-□■E/△/▲/◎/☆ **LAS2GQH-□■E/△/▲/◎/☆**

Terminal Type	Pin Terminal(1.8x0.4mm)	Material	**Button**	StainlessSteel/Aluminium alloy (Black)
Switching	C(single-breakfast-motion changeover contact)		**Crust**	Stainless steel/Nickel plated Brass/ Aluminium alloy black anodized
Panel Thickness	1 ~ 10mm		**Base**	PBT
Torque	0.6Nm	**Operation Pressure**		2.5~4N
Mechanical Life	200,000 cycles	**Operation Travel**		About 2.8mm
Electrical Life	50,000 cycles	RoHS		Made to order

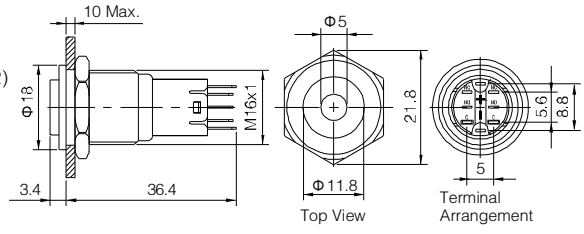


- If you need Indicator, The part number is：LAS2GQPF-D/△/▲/◎/☆
- Install diameter：Φ16mm
- Switch Max Rating：Ith:3A，Ui:250V
- Button shape：Super flat head Dot illuminated
- ContactConfiguration(□)：1NO1NC(11)/ 2NO2NC(22)
- Operation Type(■)：Momentary / Latching(Z)
- LED Color(△)：R G Y O B W
- LED Voltage(▲)：6V/12V/24V/110V/220V
- Crust material(◎)：Stainless steel(S)/ Nickel plated brass(N)
- IP Rating(☆)：IP40/IP67(FP),IK09



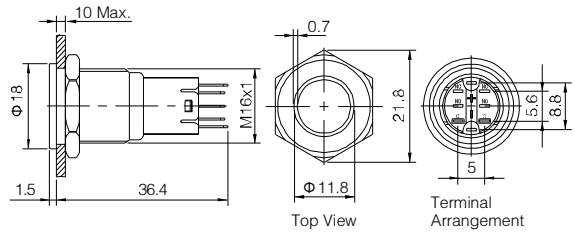


- If you need Indicator, The part number is：LAS2GQPH-D/△/▲/◎/☆
- Install diameter：Φ16mm
- Switch Max Rating：Ith:3A，Ui:250V
- Button shape：Super High flat head Dot illuminated
- ContactConfiguration(□)：1NO1NC(11)/ 2NO2NC(22)
- Operation Type(■)：Momentary / Latching(Z)
- LED Color(△)：R G Y O B W
- LED Voltage(▲)：6V/12V/24V/110V/220V
- Crust material(◎)：Stainless steel(S)/ Nickel plated brass(N)
- IP Rating(☆)：IP40/IP67(FP),IK09



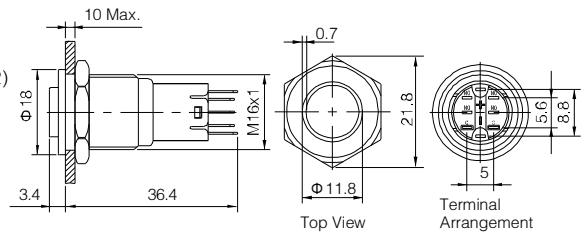


- If you need Indicator, The part number is：LAS2GQPF-E/△/▲/◎/☆
- Install diameter：Φ16mm
- Switch Max Rating：Ith:3A，Ui:250V
- Button shape：Super flat head Ring illuminated
- ContactConfiguration(□)：1NO1NC(11)/ 2NO2NC(22)
- Operation Type(■)：Momentary / Latching(Z)
- LED Color(△)：R G Y O B W
- LED Voltage(▲)：6V/12V/24V/110V/220V
- Crust material(◎)：Stainless steel(S)/ Nickel plated brass(N)
- IP Rating(☆)：IP40/IP67(FP),IK09





- If you need Indicator, The part number is：LAS2GQPH-E/△/▲/◎/☆
- Install diameter：Φ16mm
- Switch Max Rating：Ith:3A，Ui:250V
- Button shape：High Super flat head Ring illuminated
- ContactConfiguration(□)：1NO1NC(11)/ 2NO2NC(22)
- Operation Type(■)：Momentary / Latching(Z)
- LED Color(△)：R G Y O B W
- LED Voltage(▲)：6V/12V/24V/110V/220V
- Crust material(◎)：Stainless steel(S)/ Nickel plated brass(N)
- IP Rating(☆)：IP40/IP67(FP),IK09



LAS2GQPF-□■D/△/▲/◎/☆ **LAS2GQPH-□■D/△/▲/◎/☆**
LAS2GQPF-□■E/△/▲/◎/☆ **LAS2GQPH-□■E/△/▲/◎/☆**

Terminal Type	Pin Terminal(1.8x0.4mm)	**Material**	**Lamp Cover**	Stainless Steel/Aluminium alloy (Black)
Switching	C(single-breakfast-motion changeover contact)		**Body**	Stainless steel/Nickel plated Brass
Panel Thickness	1 ~ 10mm		**Base**	PBT
Torque	0.6Nm	**Operation Pressure**		2.5~4N
Mechanical Life	200,000 cycles	**Operation Travel**		About 2.8mm
Electrical Life	50,000 cycles	**RoHS**		Made to order

LAS2GQ super flat head install way:

