

# RJSX07 SERIES

HIGH CURRENT METAL SWITCH



## Key Features

IP67 Rated (front)

LED Voltage: 3V-24V

Rated load capacity up to 20A

Sizes available: 16/19/22/25mm

High quality and economical switch

Momentary / Latching

LED illumination available with built-in resistors and

available with push fit connector assemble (default 150mm wire length).



RJS107 Series (1NO Contact)

16/19/22/25

RJS207 Series (2NO Contact)

22/25

## How to Order

RJS 1 07 -16 - A - F R - □ □ □ - □ - □ - 67J

Voltage

Material

Colour

Colour

Colour

LED

Shape of top

Action style

Install size

Contact type

IP67 from the front

24V DC      110V AC  
12V DC      220V AC  
6.3V DC

BS : Stainless steel

**R** Red      **W** White  
**G** Green    **Y** Yellow  
**B** Blue      **O** Orange

**R** Red      **W** White  
**G** Green    **Y** Yellow  
**B** Blue      **O** Orange

**R** Red      **W** White  
**G** Green    **Y** Yellow  
**B** Blue      **O** Orange

Blank: Non-Illuminated  
R: Ring Illumination  
C5: Power with Ring Illumination

F: Flat round

Blank: Momentary

A: Latching

16/19/22/25

1: 1NO  
2: 2NO (22/25)


### Specifications

Contact form	107 = 1 x Normally open Contact    207 = 2 x Normally open Contact
Insulation resistance	≤50mΩ
Insulation resistance	≥1000mΩ
Dielectric strength	2000VAC min
Operating humidity	-30℃~+80℃
Action stroke	1.8mm,            3.5mm
Action force	11N
Mounting panel thickness	≤4mm
Nut torque	5~14N.m
<b>Material</b>	
Shell	stainless steel or Black Anodised Aluminium
Button	stainless steel or Black Anodised Aluminium
<b>LED Diffuser</b>	Environmentally friendly PC
Pedestal	PA66 High flame retardant PA66
Pin	H65 nickel plating
Contact	Silver contact
Spring	Steel wire

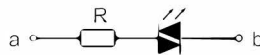
### Rated load

Rated insulation voltage	AC250VAC		
Heating current	20A		
Rated voltage	DC 12V	DC24V	AC250V
Rated current	Resistive load	16/19: 18A; 22/25: 20A	15A
	Inductive load	5A	4A

### Lamp parameter

LED Type	Two-way LED lamp(AC/DC)
Rated Voltage	3V, 6V, 12V, 24V, 36V, 110V, 220VAC/DC
Rated Current	Typically 15mA
LED Colour	
Life	40000 hours(Reference)

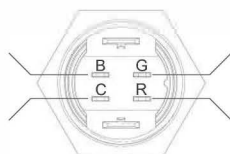
LED Circuit diagram



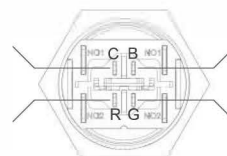
Using AC/DC LED lamp, the terminals have no difference of anode and cathode.  
Using inner resistance for the lamp below 60V. Using 6V lamp when the lamp voltage is above 60V, and need connect outer dopping resistance.

DC LED and other voltage can be made to order.

### Tricolor RGB wiring diagram



16/19  
Lamp bead contact description







22/25  
Lamp bead contact description

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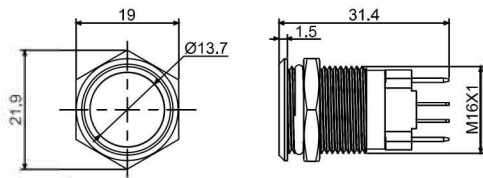
HIGH CURRENT METAL SWITCH



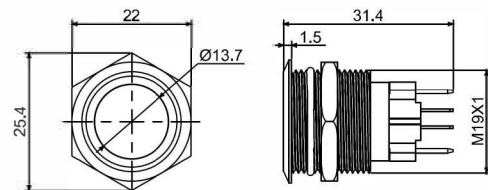
## ■ Non-Illuminated High Current Switches

Appearance	Operation	Contact	Model	Voltage	Material
	Momentary	1NO	RJS107-16-F~67J	24VDC 12VDC 6.3VDC 110VAC 220VAC	Stainless Steel
	Latching	1NO	RJS107-16(A)-F~67J		
	Momentary	1NO	RJS107-19-F~67J		
	Latching	1NO	RJS107-19(A)-F~67J		
	Momentary	1NO	RJS107-22-F~67J		
		2NO	RJS207-22-F~67J		
	Latching	1NO	RJS107-22(A)-F~67J		
		2NO	RJS207-22(A)-F~67J		
	Momentary	1NO	RJS107-25-F~67J		
		2NO	RJS207-25-F~67J		
	Latching	1NO	RJS107-25(A)-F~67J		
		2NO	RJS207-25(A)-F~67J		

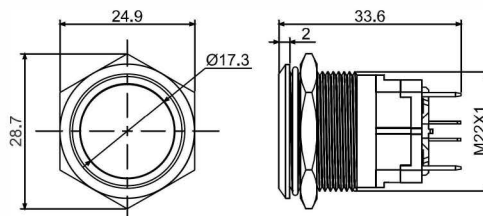
### Dimensions



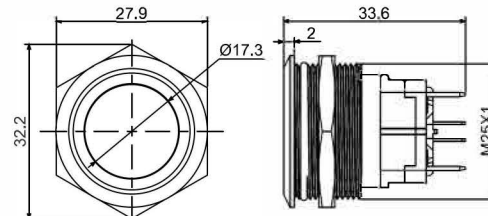
RJS107-16[]-F



RJS107-19[]-F



RJS[]07-22[]-F







RJS[]07-25[]-F

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HIGH CURRENT METAL SWITCH

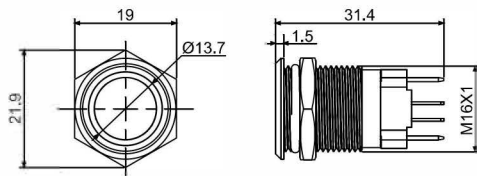


## Ring Illuminated High Current Switches

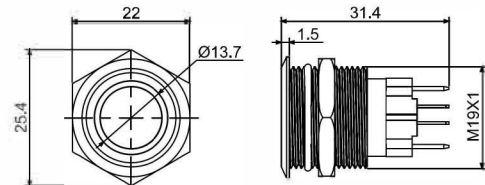
Appearance	Operation	Contact	Model	Colour	Voltage	Material
	Momentary	1NO	RJS107-16L-F-R~67J	<ul style="list-style-type: none"> <li><span style="color: red;">■</span> Red</li> <li><span style="color: green;">■</span> Green</li> <li><span style="color: blue;">■</span> Blue</li> <li><span style="color: white;">■</span> White</li> <li><span style="color: yellow;">■</span> Yellow</li> <li><span style="color: orange;">■</span> Orange</li> </ul>	24VDC 12VDC 6.3VDC 110VAC 220VAC	Stainless Steel
	Latching	1NO	RJS107-16L(A)-F-R~67J			
	Momentary	1NO	RJS107-19L-F-R~67J			
	Latching	1NO	RJS107-19L(A)-F-R~67J			
	Momentary	1NO	RJS107-22L-F-R~67J			
		2NO	RJS207-22L-F-R~67J			
	Latching	1NO	RJS107-22L(A)-F-R~67J			
		2NO	RJS207-22L(A)-F-R~67J			
	Momentary	1NO	RJS107-25L-F-R~67J			
		2NO	RJS207-25L-F-R~67J			
	Latching	1NO	RJS107-25L(A)-F-R~67J			
		2NO	RJS207-25L(A)-F-R~67J			

The default monochrome, two-color three-color optional, color free to match.

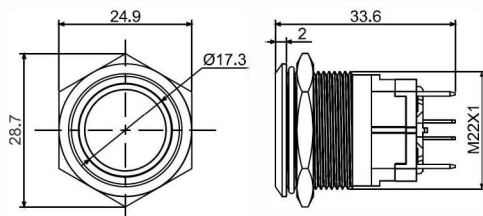
### Dimensions



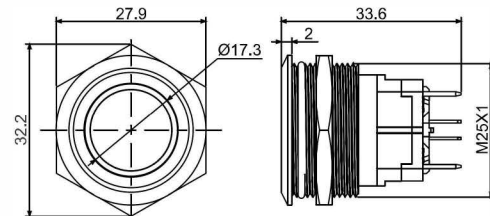
RJS107-16L[]-F-R



RJS107-19L[]-F-R



RJS[]07-22L[]-F-R







RJS[]07-25L[]-F-R

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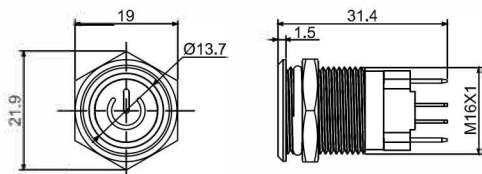


## Power symbol & Ring Illuminated High Current Switches

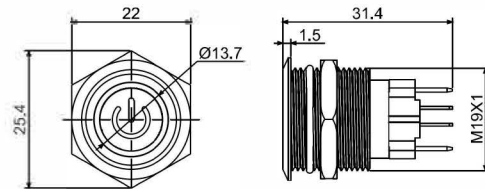
Appearance	Operation	Contact	Model	Colour	Voltage	Material
	Momentary	1NO	RJS107-16L-F-C5~67J	<ul style="list-style-type: none"> <li><span style="color: red;">■</span> Red</li> <li><span style="color: green;">■</span> Green</li> <li><span style="color: blue;">■</span> Blue</li> <li><span style="color: white;">■</span> White</li> <li><span style="color: yellow;">■</span> Yellow</li> <li><span style="color: orange;">■</span> Orange</li> </ul>	24VDC 12VDC 6.3VDC 110VAC 220VAC	Stainless Steel
	Latching	1NO	RJS107-16L(A)-F-C5~67J			
	Momentary	1NO	RJS107-19L-F-C5~67J			
	Latching	1NO	RJS107-19L(A)-F-C5~67J			
	Momentary	1NO	RJS107-22L-F-C5~67J			
		2NO	RJS207-22L-F-C5~67J			
	Latching	1NO	RJS107-22L(A)-F-C5~67J			
		2NO	RJS207-22L(A)-F-C5~67J			
	Momentary	1NO	RJS107-25L-F-C5~67J			
		2NO	RJS207-25L-F-C5~67J			
	Latching	1NO	RJS107-25L(A)-F-C5~67J			
		2NO	RJS207-25L(A)-F-C5~67J			

The default monochrome, two-colour three-color optional

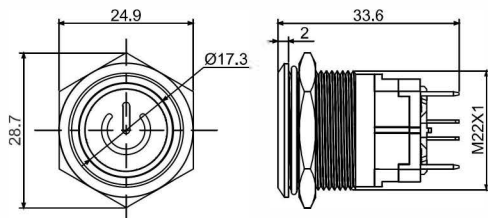
### Dimensions



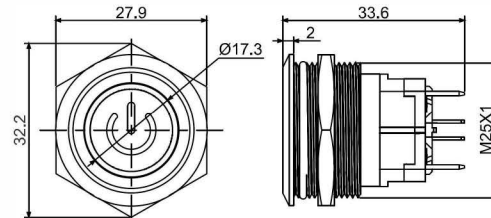
RJS107-16L[]-F-C5



RJS107-19L[]-F-C5



RJS[]107-22L[]-F-C5





RJS[]107-25L[]-F-C5

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## Connector

Appearance	Button type	Main contacts	Illuminated type	Type	
	16-C	1Pole	Without light	<b>RJS16-CB-2P</b>	
			One-colour LED	<b>RJS16-CB-2P+2P</b>	
			Two-colour LED	<b>RJS16-CB-2P+3P</b>	
			Three-colour LED	<b>RJS16-CB-2P+4P</b>	
	19-C	1Pole	Without LED	<b>RJS19-CB-2P</b>	
			One-colour LED	<b>RJS19-CB-2P+2P</b>	
			Two-colour LED	<b>RJS19-CB-2P+3P</b>	
			Three-colour LED	<b>RJS19-CB-2P+4P</b>	
		22-C	1Pole	Without LED	<b>RJS22-CB-2P</b>
				One-colour LED	<b>RJS22-CB-2P+2P</b>
				Two-colour LED	<b>RJS22-CB-2P+3P</b>
				Three-colour LED	<b>RJS22-CB-2P+4P</b>
22-C		2 Pole	Without LED	<b>RJS22-CB-4P</b>	
			One-colour LED	<b>RJS22-CB-4P+2P</b>	
			Two-colour LED	<b>RJS22-CB-4P+3P</b>	
			Three-colour LED	<b>RJS22-CB-4P+4P</b>	
25-C		1Pole	Without LED	<b>RJS22-CB-2P</b>	
			One-colour LED	<b>RJS25-CB-2P+2P</b>	
			Two-colour LED	<b>RJS25-CB-2P+3P</b>	
			Three-colour LED	<b>RJS25-CB-2P+4P</b>	
	25-C	2 Pole	Without LED	<b>RJS22-CB-4P</b>	
			One-colour LED	<b>RJS25-CB-4P+2P</b>	
			Two-colour LED	<b>RJS25-CB-4P+3P</b>	
			Three-colour LED	<b>RJS25-CB-4P+4P</b>	

### Connection diagram

