

## G19 Series

### Waterproof Seat Adjustment Switch



#### ■ Features

- ◆ Sealed design, IP67 protection level, applied in different extreme environments
- ◆ Multiple operating sticks and heights, could be customized different vehicle models
- ◆ Tight structure, two-way or four-way switching accomplished
- ◆ High-performance spring, high-sensitive switching and long service life

#### ■ Application

- ◆ Car

#### ■ Parameters

Rating		15A 14VDC/8A 12VDC
Operating Frequency	Electrical	20~30 cycles/min
	Mechanical	50~100 cycles/min
Contact Resistance (Initial Value)		20mΩ Max.
Insulation Resistance (at 500VDC)		100MΩ Min.
Service Life	Electrical	30,000 cycles
	Mechanical	50,000 cycles
Dielectric Strength		500VAC (50~60Hz)
Operating Temperature		-40°C~+85°C
Operating Humidity		96% RH Max.

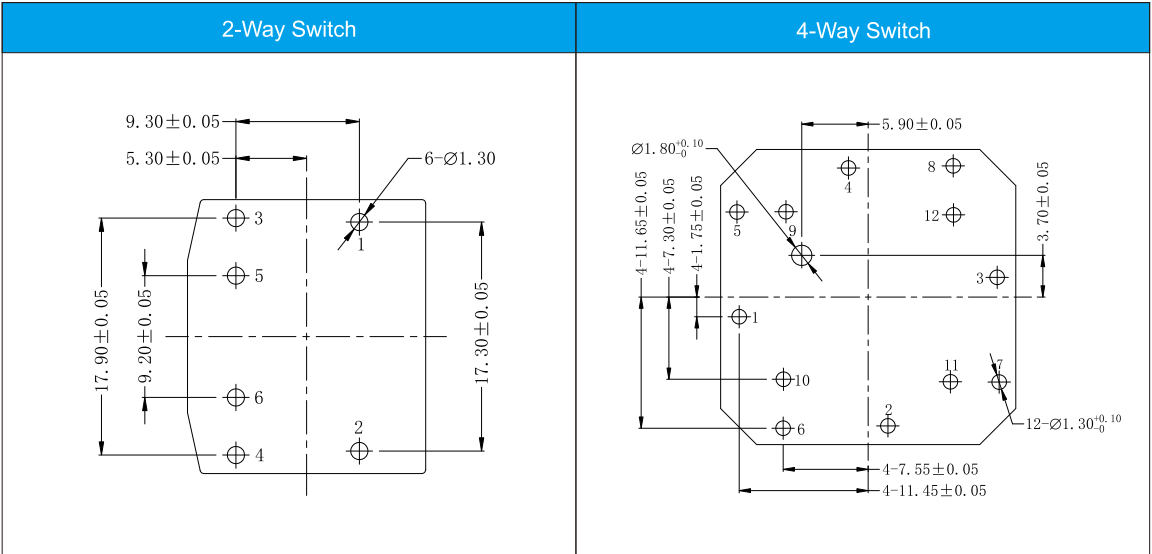
## G19 Series Seat Adjustment Switches Ordering Instruction

G19	15	4	A	R	A	1	A	A	T001
Switch Type	Electrical Rating	Operating Direction	Stick Position	Stick Shape	Operating Position Height	Pre-press Button	Circuit	Protection Level	Custom Code
G19 Series Seat Adjustment Switches	15 15A 14VDC	2 Two-way	M Middle	R Round	A 22mm (Only for 4-Way Switch)	0 No Button	A SPDT	A IP67	General
	8 8A 12VDC	4 Four-way	L Left side	S Square	B 21.6mm (Only for 2-Way Switch)	1 With Pre-press Button	B SPST-NC	B IP5X	Customized according to requirements, the code format is T+serial number XXX, for example: T001
				... Other	C 25.6mm (Only for 2-Way Switch)		C SPST-NO	... Other	

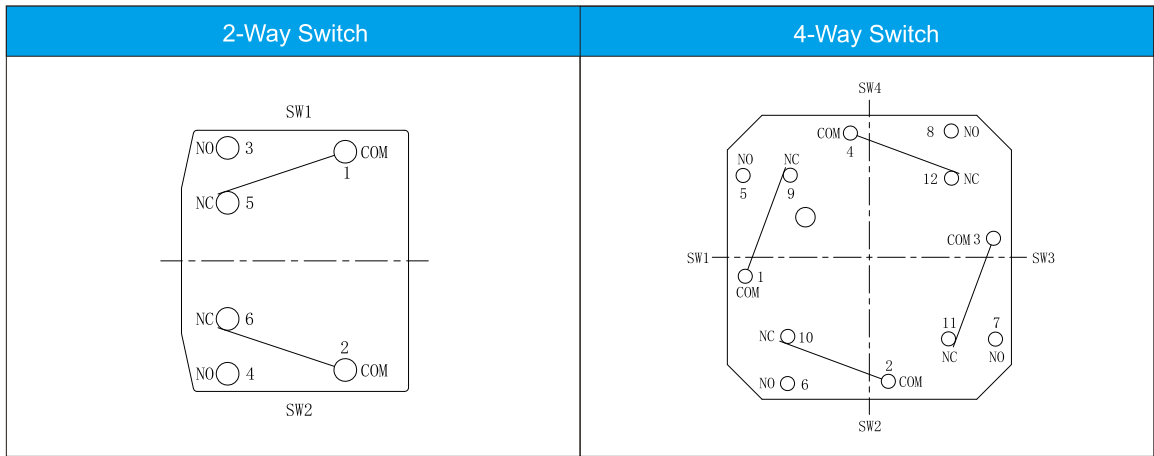
## Protection Level



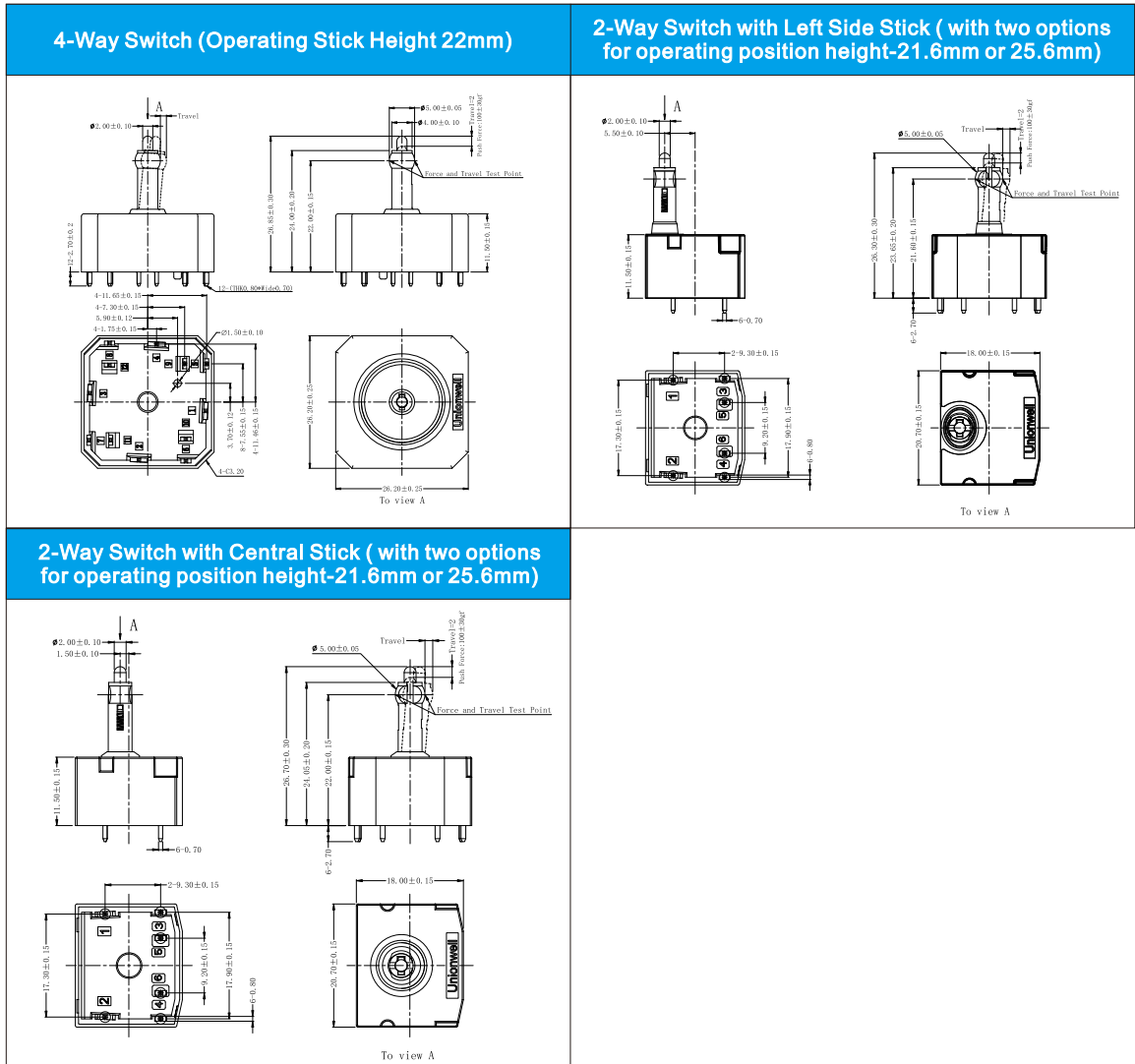
## Basic Mounting Dimensions



## Contact Configuration



## Basic Shape and Dimensions



## ■ Dimensions and Operating Characteristics

Stick Code	Stick Height	Stick Assembly Diagram	Operating Parameters								
A	22		<table border="1"> <tr> <td>Part No.</td> <td>G19-154MRA1AA</td> </tr> <tr> <td>Operating Force (OF)</td> <td>700 ± 150</td> </tr> <tr> <td>Operating Position (OP)</td> <td>1.60 ± 0.40</td> </tr> <tr> <td>Total Travel Position (TTP)</td> <td>2.5mm</td> </tr> </table>	Part No.	G19-154MRA1AA	Operating Force (OF)	700 ± 150	Operating Position (OP)	1.60 ± 0.40	Total Travel Position (TTP)	2.5mm
			Part No.	G19-154MRA1AA							
			Operating Force (OF)	700 ± 150							
			Operating Position (OP)	1.60 ± 0.40							
Total Travel Position (TTP)	2.5mm										
B	22		<table border="1"> <tr> <td>Part No.</td> <td>G19-152MRA1AA</td> </tr> <tr> <td>Operating Force (OF)</td> <td>600 ± 150</td> </tr> <tr> <td>Operating Position (OP)</td> <td>1.60 ± 0.40</td> </tr> <tr> <td>Total Travel Position (TTP)</td> <td>2.50mm</td> </tr> </table>	Part No.	G19-152MRA1AA	Operating Force (OF)	600 ± 150	Operating Position (OP)	1.60 ± 0.40	Total Travel Position (TTP)	2.50mm
			Part No.	G19-152MRA1AA							
			Operating Force (OF)	600 ± 150							
			Operating Position (OP)	1.60 ± 0.40							
Total Travel Position (TTP)	2.50mm										
C	25.6		<table border="1"> <tr> <td>Part No.</td> <td>G19-152MRC1AA</td> </tr> <tr> <td>Operating Force (OF)</td> <td>500 ± 150</td> </tr> <tr> <td>Operating Position (OP)</td> <td>2.10 ± 0.40</td> </tr> <tr> <td>Total Travel Position (TTP)</td> <td>3.50mm</td> </tr> </table>	Part No.	G19-152MRC1AA	Operating Force (OF)	500 ± 150	Operating Position (OP)	2.10 ± 0.40	Total Travel Position (TTP)	3.50mm
			Part No.	G19-152MRC1AA							
			Operating Force (OF)	500 ± 150							
			Operating Position (OP)	2.10 ± 0.40							
Total Travel Position (TTP)	3.50mm										
B	21.6		<table border="1"> <tr> <td>Part No.</td> <td>G19-152LRB1AA</td> </tr> <tr> <td>Operating Force (OF)</td> <td>600 ± 150</td> </tr> <tr> <td>Operating Position (OP)</td> <td>1.60 ± 0.40</td> </tr> <tr> <td>Total Travel Position (TTP)</td> <td>2.5mm</td> </tr> </table>	Part No.	G19-152LRB1AA	Operating Force (OF)	600 ± 150	Operating Position (OP)	1.60 ± 0.40	Total Travel Position (TTP)	2.5mm
			Part No.	G19-152LRB1AA							
			Operating Force (OF)	600 ± 150							
			Operating Position (OP)	1.60 ± 0.40							
Total Travel Position (TTP)	2.5mm										
C	25.6		<table border="1"> <tr> <td>Part No.</td> <td>G19-152LRC1AA</td> </tr> <tr> <td>Operating Force (OF)</td> <td>500 ± 150</td> </tr> <tr> <td>Operating Position (OP)</td> <td>2.10 ± 0.40</td> </tr> <tr> <td>Total Travel Position (TTP)</td> <td>3.50mm</td> </tr> </table>	Part No.	G19-152LRC1AA	Operating Force (OF)	500 ± 150	Operating Position (OP)	2.10 ± 0.40	Total Travel Position (TTP)	3.50mm
			Part No.	G19-152LRC1AA							
			Operating Force (OF)	500 ± 150							
			Operating Position (OP)	2.10 ± 0.40							
Total Travel Position (TTP)	3.50mm										