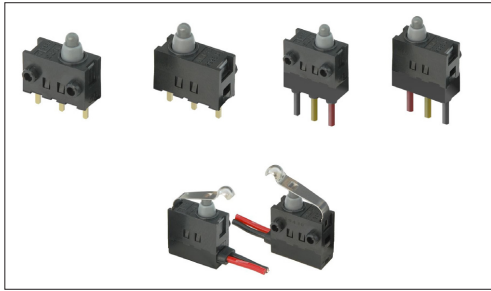


Switches

Detector Switches

Water-proof Type
SPVQ3 Series

Wide product variety including long-stroke types pressable diagonally without an actuator.



Automotive



Water-proof Type



Dust-proof Type

- Rating(max.)/(min.)(Resistive load):0.1A 12V DC/50 μ A 5V DC
- Contact resistance(Initial/After operating life):500m Ω max./1 Ω max.
- Operating life without load:300,000 cycles
- Operating life with load Rating(max.)(Resistive load):
300,000 cycles 1 Ω max.

Applications:Energy Industrial:Robots, drones,Industrial equipment

Home:Major home appliances

Automotive:Hood Latch (Side/Rear/Door/Gear)

■ Product List

Products No.	Poles	Positions	Operating force	Changeover timing	Operation part shape	Terminal type	Main body form	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Automotive	Drawing No.
SPVQ380400	1	2	1±0.5N	Non shorting	Push	For PC board	Without boss	5.3×13.0×8.35	●	●	●	1
SPVQ380300	1	2	1±0.5N	Non shorting	Push	For PC board	Boss - right side	5.3×13.0×8.35	●	●	●	2
SPVQ380201	1	2	1±0.5N	Non shorting	Push	For PC board	Boss - left side	5.3×13.0×8.35	●	●	●	3
SPVQ380100	1	2	1±0.5N	Non shorting	Push	For PC board	Boss - both sides	5.3×13.0×8.35	●	●	●	4
SPVQ380700	1	2	1±0.5N	Non shorting	Push	For Lead	Boss - right side	5.3×13.0×8.35	●	●	●	5
SPVQ380600	1	2	1±0.5N	Non shorting	Push	For Lead	Boss - left side	5.3×13.0×8.35	●	●	●	6
SPVQ380500	1	2	1±0.5N	Non shorting	Push	For Lead	Boss - both sides	5.3×13.0×8.35	●	●	●	7
SPVQ380900	1	2	1±0.5N	Non shorting	Push	Angle (Right)	Boss - right side	5.3×13.0×8.35	●	●	●	8
SPVQ380800	1	2	1±0.5N	Non shorting	Push	Angle (Left)	Boss - left side	5.3×13.0×8.35	●	●	●	9
SPVQ361000	1	2	1±0.5N	Non shorting	Push	With wire (Downwards)	With a screw hole	5.3×13.0×8.35	●	●	●	10
SPVQ361100	1	2	1±0.5N	Non shorting	Push	With wire (Downwards)	Boss - right side	5.3×13.0×8.35	●	●	●	11
SPVQ361200	1	2	1±0.5N	Non shorting	Push	With wire (Downwards)	Boss - left side	5.3×13.0×8.35	●	●	●	12
SPVQ361300	1	2	1±0.5N	Non shorting	Push	With wire (Downwards)	Boss - both sides	5.3×13.0×8.35	●	●	●	13
SPVQ361400	1	1	1±0.5N	Non shorting	Push	With wire (Right side)	With a screw hole	5.3×13.0×8.35	●	●	●	14
SPVQ361500	1	1	1±0.5N	Non shorting	Push	With wire (Right side)	Boss - right side	5.3×13.0×8.35	●	●	●	15
SPVQ361600	1	1	1±0.5N	Non shorting	Push	With wire (Right side)	Boss - left side	5.3×13.0×8.35	●	●	●	16
SPVQ361700	1	1	1±0.5N	Non shorting	Push	With wire (Right side)	Boss - both sides	5.3×13.0×8.35	●	●	●	17
SPVQ361800	1	1	1±0.5N	Non shorting	Push	With wire (Left side)	Boss - right side	5.3×13.0×8.35	●	●	●	18
SPVQ361900	1	1	1±0.5N	Non shorting	Push	With wire (Left side)	Boss - left side	5.3×13.0×8.35	●	●	●	19
SPVQ362000	1	1	1±0.5N	Non shorting	Push	With wire (Left side)	Boss - both sides	5.3×13.0×8.35	●	●	●	20
SPVQ370400	1	2	3N max.	Non shorting	Actuator A	For PC board	Without boss	5.3×13.0×8.35	●	●	●	21
SPVQ370300	1	2	3N max.	Non shorting	Actuator A	For PC board	Boss - right side	5.3×13.0×8.35	●	●	●	22
SPVQ370200	1	2	3N max.	Non shorting	Actuator A	For PC board	Boss - left side	5.3×13.0×8.35	●	●	●	23
SPVQ370100	1	2	3N max.	Non shorting	Actuator A	For PC board	Boss - both sides	5.3×13.0×8.35	●	●	●	24

Switches

Detector Switches

Water-proof Type
SPVQ3 Series

Products No.	Poles	Positions	Operating force	Changeover timing	Operation part shape	Terminal type	Main body form	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Automotive	Drawing No.
SPVQ370700	1	2	3N max.	Non shorting	Actuator A	For Lead	Boss - right side	5.3×13.0×8.35	●	●	●	25
SPVQ370600	1	2	3N max.	Non shorting	Actuator A	For Lead	Boss - left side	5.3×13.0×8.35	●	●	●	26
SPVQ370500	1	2	3N max.	Non shorting	Actuator A	For Lead	Boss - both sides	5.3×13.0×8.35	●	●	●	27
SPVQ370900	1	2	3N max.	Non shorting	Actuator A	Angle (Right)	Boss - right side	5.3×13.0×8.35	●	●	●	28
SPVQ370800	1	2	3N max.	Non shorting	Actuator A	Angle (Left)	Boss - left side	5.3×13.0×8.35	●	●	●	29
SPVQ350100	1	2	3N max.	Non shorting	Actuator A	With wire (Downwards)	With a screw hole	5.3×13.0×8.35	●	●	●	30
SPVQ350200	1	2	3N max.	Non shorting	Actuator A	With wire (Downwards)	Boss - right side	5.3×13.0×8.35	●	●	●	31
SPVQ350300	1	2	3N max.	Non shorting	Actuator A	With wire (Downwards)	Boss - left side	5.3×13.0×8.35	●	●	●	32
SPVQ350400	1	2	3N max.	Non shorting	Actuator A	With wire (Downwards)	Boss - both sides	5.3×13.0×8.35	●	●	●	33
SPVQ350600	1	1	3N max.	Non shorting	Actuator A	With wire (Right side)	Boss - right side	5.3×13.0×8.35	●	●	●	34
SPVQ350700	1	1	3N max.	Non shorting	Actuator A	With wire (Right side)	Boss - left side	5.3×13.0×8.35	●	●	●	35
SPVQ350800	1	1	3N max.	Non shorting	Actuator A	With wire (Right side)	Boss - both sides	5.3×13.0×8.35	●	●	●	36
SPVQ350900	1	1	3N max.	Non shorting	Actuator A	With wire (Left side)	Boss - right side	5.3×13.0×8.35	●	●	●	37
SPVQ351000	1	1	3N max.	Non shorting	Actuator A	With wire (Left side)	Boss - left side	5.3×13.0×8.35	●	●	●	38
SPVQ351100	1	1	3N max.	Non shorting	Actuator A	With wire (Left side)	Boss - both sides	5.3×13.0×8.35	●	●	●	39
SPVQ371300	1	2	3N max.	Non shorting	Actuator B	For PC board	Without boss	5.3×13.0×8.35	●	●	●	40
SPVQ371200	1	2	3N max.	Non shorting	Actuator B	For PC board	Boss - right side	5.3×13.0×8.35	●	●	●	41
SPVQ371100	1	2	3N max.	Non shorting	Actuator B	For PC board	Boss - left side	5.3×13.0×8.35	●	●	●	42
SPVQ371000	1	2	3N max.	Non shorting	Actuator B	For PC board	Boss - both sides	5.3×13.0×8.35	●	●	●	43
SPVQ371600	1	2	3N max.	Non shorting	Actuator B	For Lead	Boss - right side	5.3×13.0×8.35	●	●	●	44
SPVQ371500	1	2	3N max.	Non shorting	Actuator B	For Lead	Boss - left side	5.3×13.0×8.35	●	●	●	45
SPVQ371400	1	2	3N max.	Non shorting	Actuator B	For Lead	Boss - both sides	5.3×13.0×8.35	●	●	●	46
SPVQ371800	1	2	3N max.	Non shorting	Actuator B	Angle (Right)	Boss - right side	5.3×13.0×8.35	●	●	●	47
SPVQ371700	1	2	3N max.	Non shorting	Actuator B	Angle (Left)	Boss - left side	5.3×13.0×8.35	●	●	●	48
SPVQ351200	1	2	3N max.	Non shorting	Actuator B	With wire (Downwards)	With a screw hole	5.3×13.0×8.35	●	●	●	49
SPVQ351300	1	2	3N max.	Non shorting	Actuator B	With wire (Downwards)	Boss - right side	5.3×13.0×8.35	●	●	●	50
SPVQ351400	1	2	3N max.	Non shorting	Actuator B	With wire (Downwards)	Boss - left side	5.3×13.0×8.35	●	●	●	51
SPVQ351500	1	2	3N max.	Non shorting	Actuator B	With wire (Downwards)	Boss - both sides	5.3×13.0×8.35	●	●	●	52
SPVQ351700	1	1	3N max.	Non shorting	Actuator B	With wire (Right side)	Boss - right side	5.3×13.0×8.35	●	●	●	53
SPVQ351800	1	1	3N max.	Non shorting	Actuator B	With wire (Right side)	Boss - left side	5.3×13.0×8.35	●	●	●	54
SPVQ351900	1	1	3N max.	Non shorting	Actuator B	With wire (Right side)	Boss - both sides	5.3×13.0×8.35	●	●	●	55
SPVQ352000	1	1	3N max.	Non shorting	Actuator B	With wire (Left side)	Boss - right side	5.3×13.0×8.35	●	●	●	56
SPVQ352100	1	1	3N max.	Non shorting	Actuator B	With wire (Left side)	Boss - left side	5.3×13.0×8.35	●	●	●	57
SPVQ352200	1	1	3N max.	Non shorting	Actuator B	With wire (Left side)	Boss - both sides	5.3×13.0×8.35	●	●	●	58

 Note

1. This catalog shows only outline specifications. When using the products, please obtain formal specifications for supply.
 2. Unless specified, the length of the lead wire is 250mm. Color is either Red, Black or Yellow. For length modification, please contact us.
 3. This unit cannot be used in water (IP6K7 rating, except for terminal).
 4. Unless circuit is specified, wired (downward) types will apply three wires.
 5. Please specify circuit (N. O. or N. C.) for wired (side) types. Unless specified, the circuit will apply N. O.
 6. Please place purchase orders per minimum order unit (integer).
 7. This products can be used in vehicles.
- Although these products are designed to perform over a wide operating temperature range, please ensure that you receive and read the formal delivery specifications before use.

 Packing Specifications

Tray

Products No.	Number of packages(pcs.)		Export package measurements (mm)
	1 case / Japan	1 case / export packing	
SPVQ380400 SPVQ380300 SPVQ380201 SPVQ380100 SPVQ380700 SPVQ380600 SPVQ380500 SPVQ380900 SPVQ380800 SPVQ370400 SPVQ370300 SPVQ370200 SPVQ370100 SPVQ370700 SPVQ370600 SPVQ370500 SPVQ370900 SPVQ370800 SPVQ371300 SPVQ371200 SPVQ371100 SPVQ371000 SPVQ371600 SPVQ371500 SPVQ371400 SPVQ371800 SPVQ371700	1,300	5,200	540 x 360 x 290

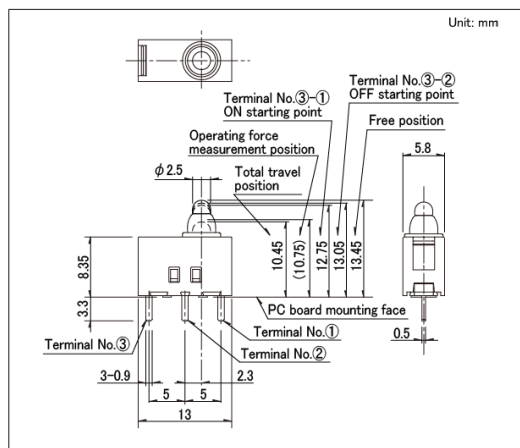
Bulk

Products No.	Number of packages(pcs.)		Export package measurements (mm)
	1 case / Japan	1 case / export packing	
SPVQ361000 SPVQ361100 SPVQ361200 SPVQ361300 SPVQ361400 SPVQ361500 SPVQ361600 SPVQ361700 SPVQ361800 SPVQ361900 SPVQ362000	400	1,600	555 x 375 x 223
SPVQ350100 SPVQ350200 SPVQ350300 SPVQ350400 SPVQ351200 SPVQ351300 SPVQ351400 SPVQ351500	180	720	540 x 360 x 270
SPVQ350600 SPVQ350700 SPVQ350800 SPVQ350900 SPVQ351000 SPVQ351100 SPVQ351700 SPVQ351800 SPVQ351900 SPVQ352000 SPVQ352100 SPVQ352200	168	672	555 x 375 x 223

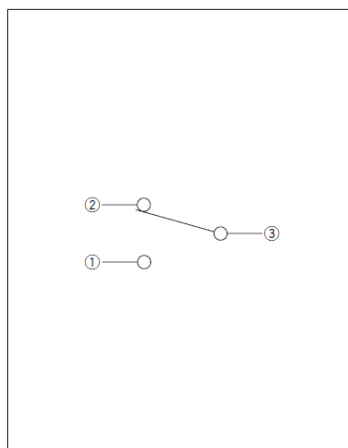
Water-proof Type
SPVQ3 Series

Drawing No.1

■ Dimensions

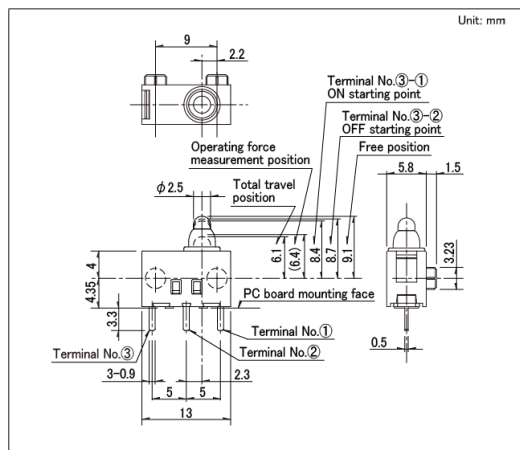


■ Circuit Diagram

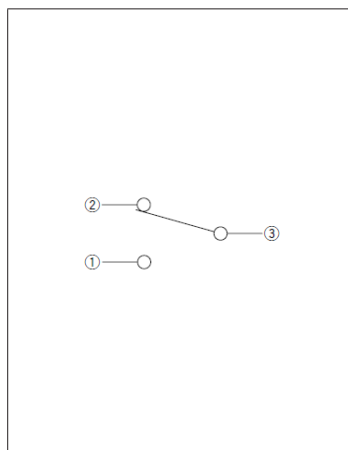


Drawing No.2

■ Dimensions

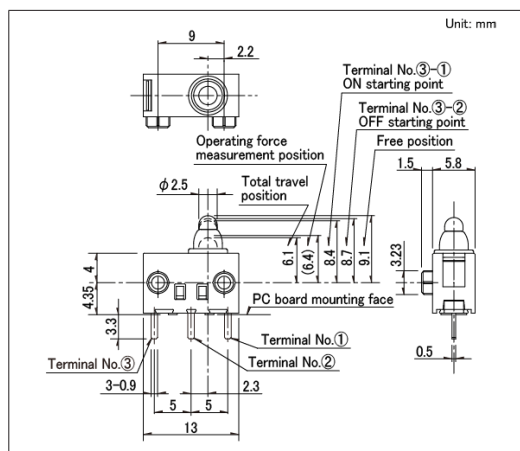


■ Circuit Diagram

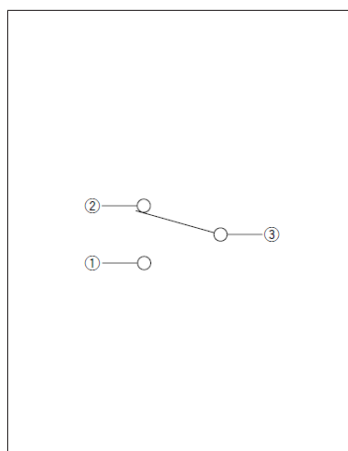


Drawing No.3

■ Dimensions



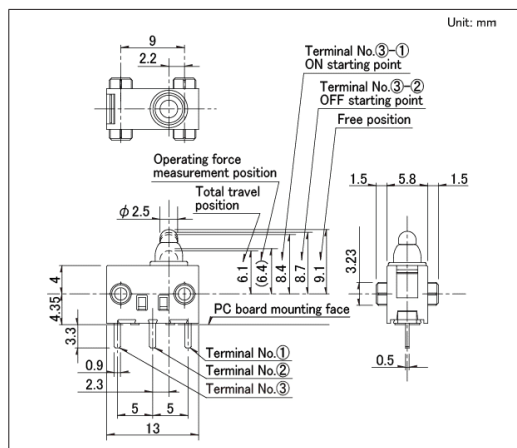
■ Circuit Diagram



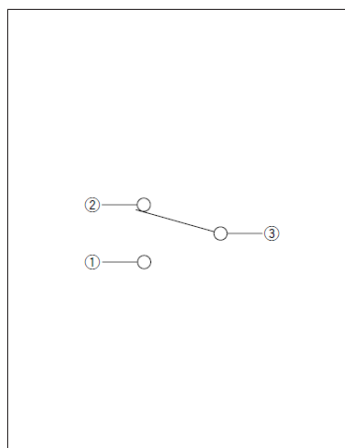
Water-proof Type
SPVQ3 Series

Drawing No.4

■ Dimensions

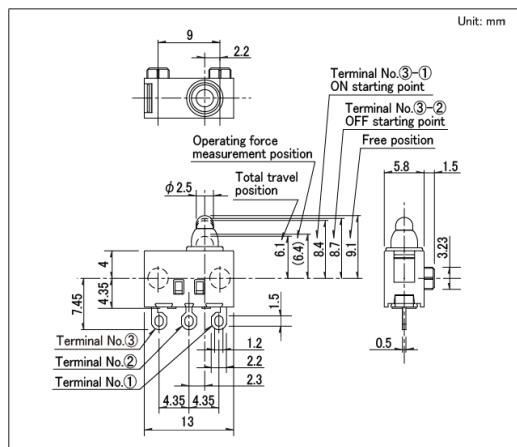


■ Circuit Diagram

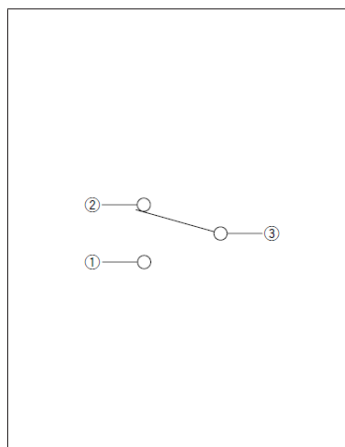


Drawing No.5

■ Dimensions

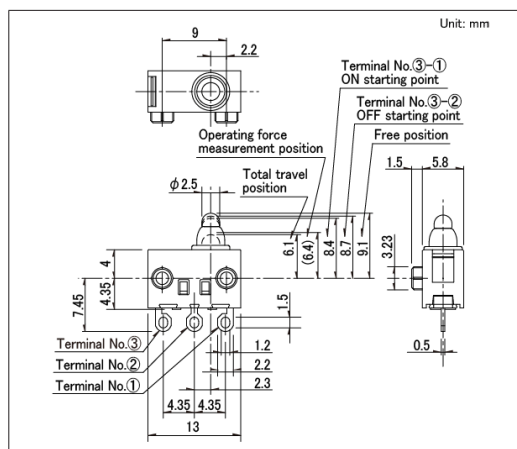


■ Circuit Diagram

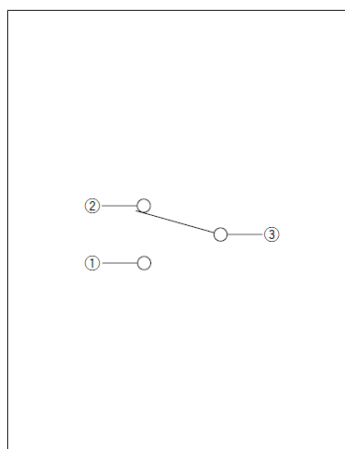


Drawing No.6

■ Dimensions



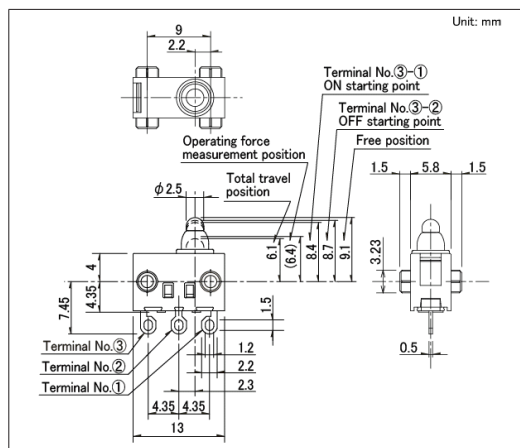
■ Circuit Diagram



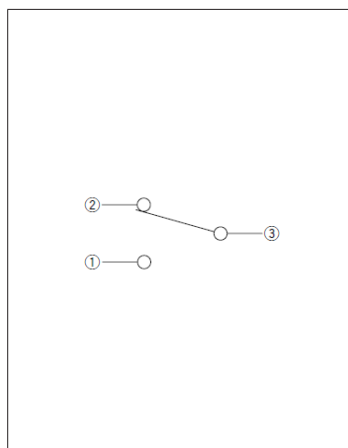
Water-proof Type SPVQ3 Series

Drawing No.7

■ Dimensions

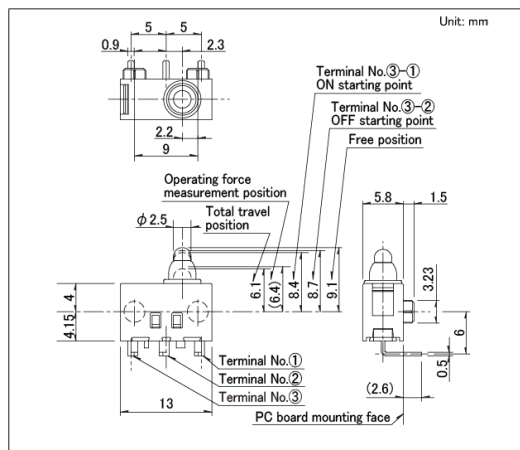


- Circuit Diagram

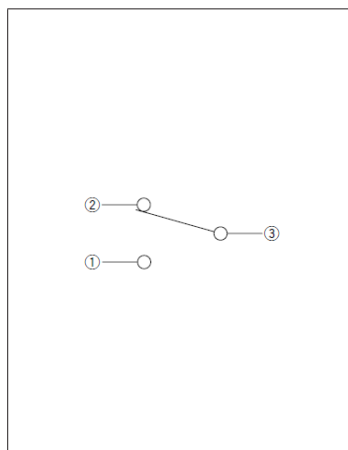


Drawing No.8

■ Dimensions

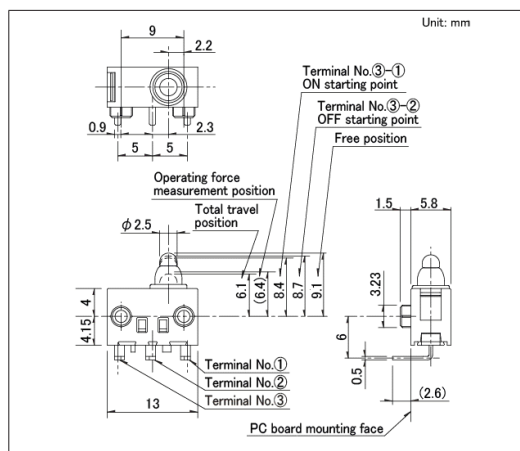


- Circuit Diagram

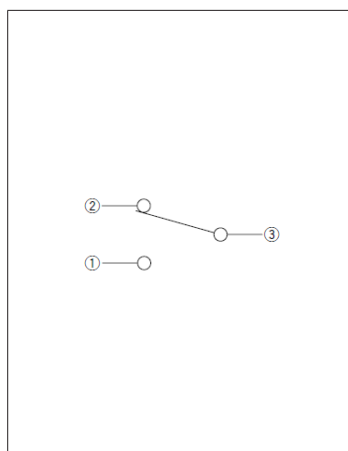


Drawing No.9

■ Dimensions



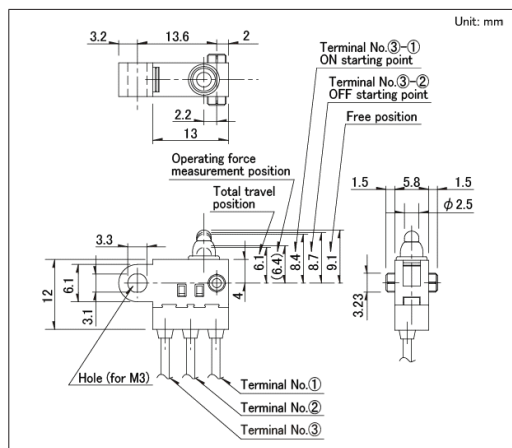
- Circuit Diagram



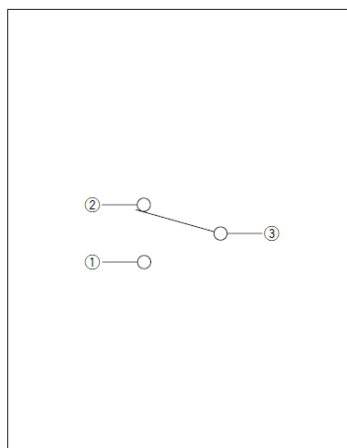
Water-proof Type
SPVQ3 Series

Drawing No.10

■ Dimensions

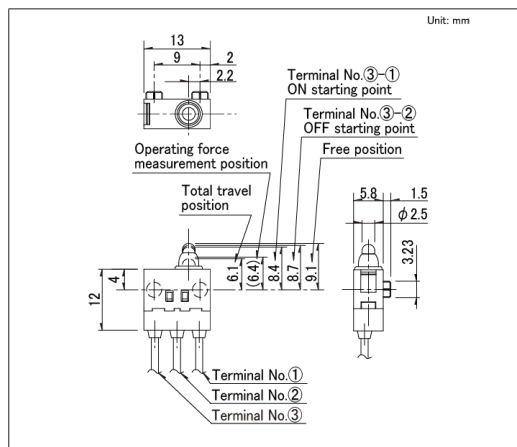


■ Circuit Diagram

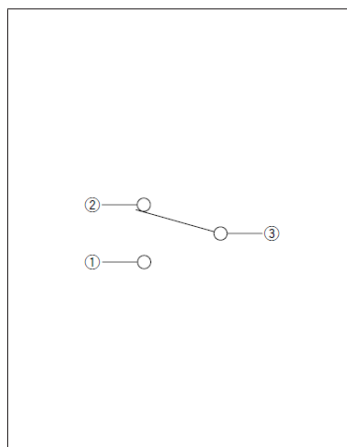


Drawing No.11

■ Dimensions

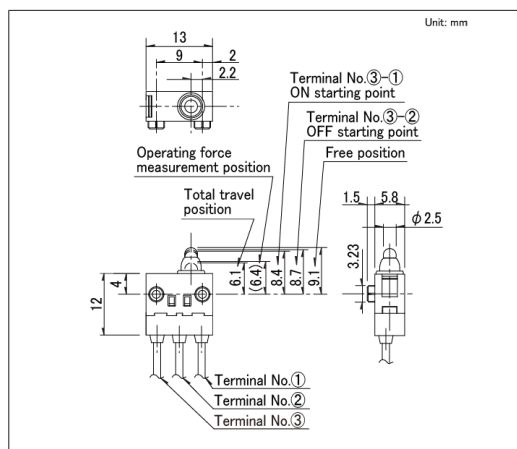


■ Circuit Diagram

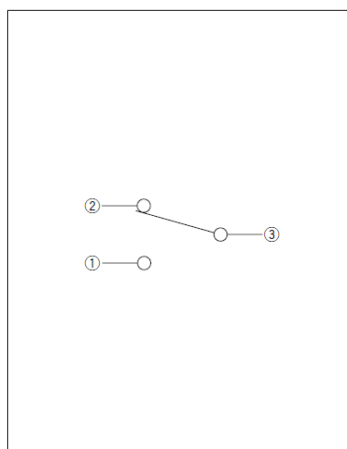


Drawing No.12

■ Dimensions



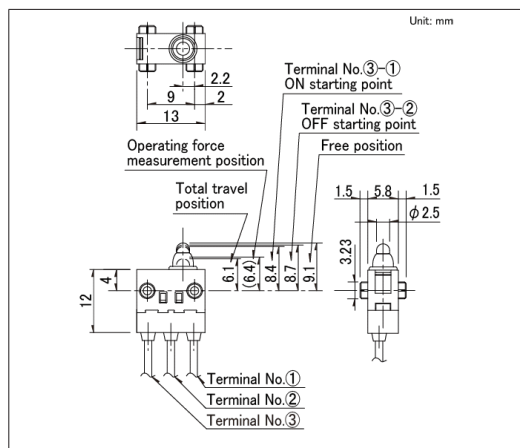
■ Circuit Diagram



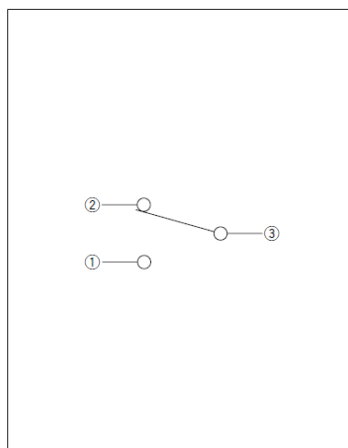
Water-proof Type SPVQ3 Series

Drawing No.13

■ Dimensions

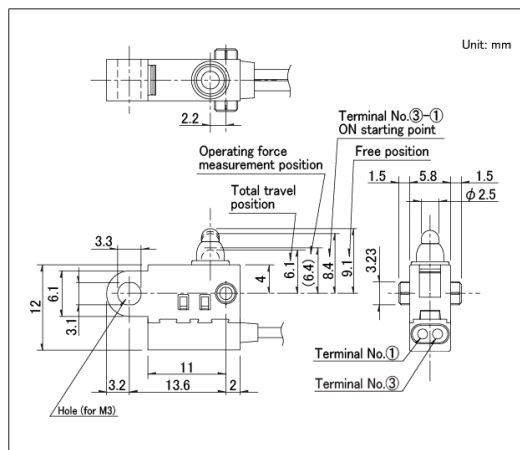


- Circuit Diagram

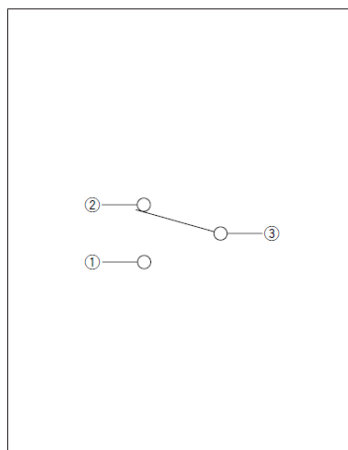


Drawing No.14

■ Dimensions

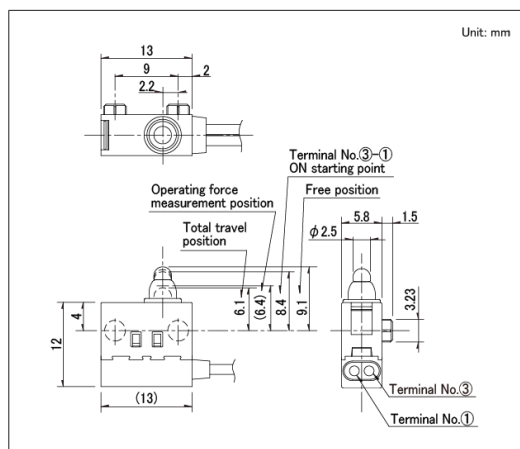


- Circuit Diagram

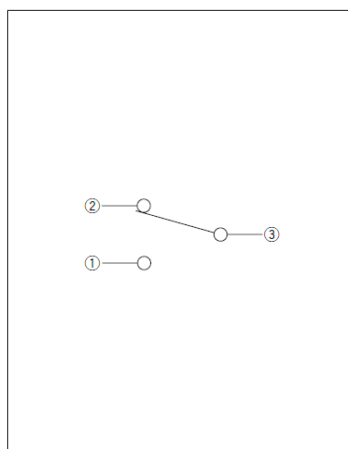


Drawing No.15

■ Dimensions

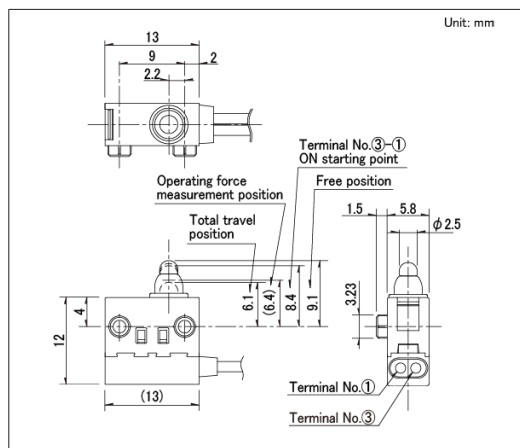


- Circuit Diagram

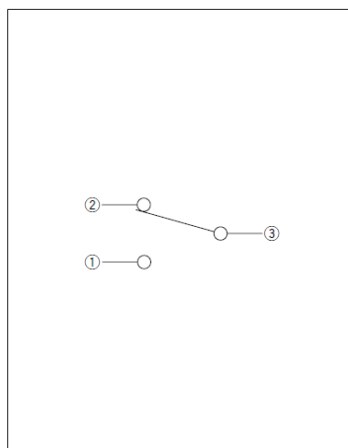


Water-proof Type
SPVQ3 Series**Drawing No.16**

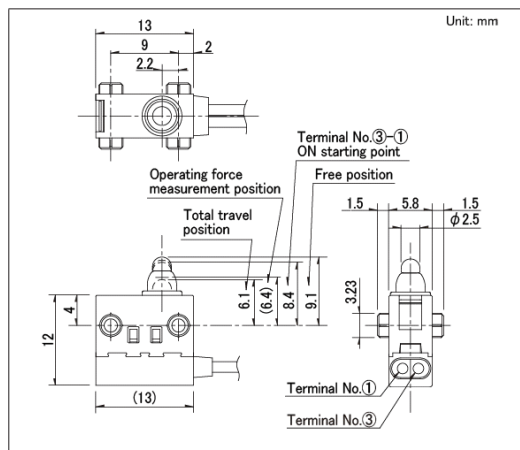
■ Dimensions



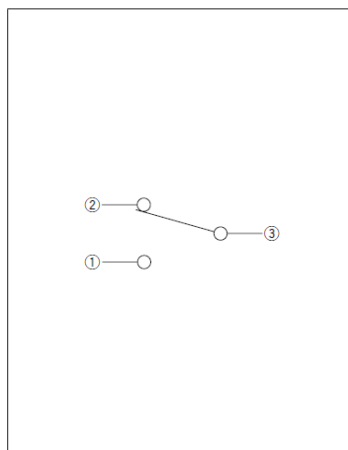
■ Circuit Diagram

**Drawing No.17**

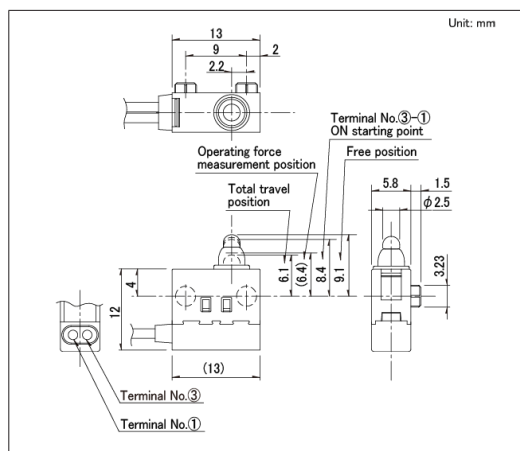
■ Dimensions



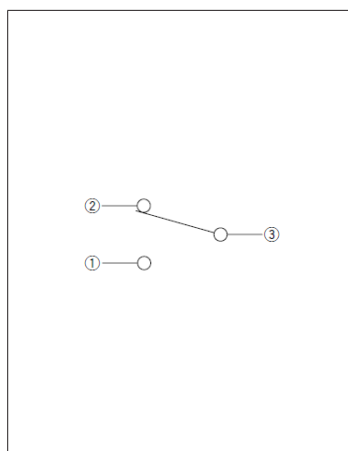
■ Circuit Diagram

**Drawing No.18**

■ Dimensions



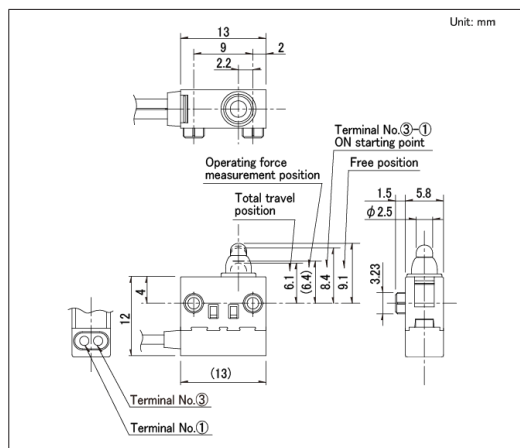
■ Circuit Diagram



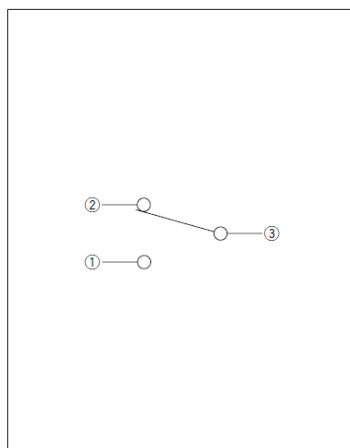
Water-proof Type SPVQ3 Series

Drawing No.19

■ Dimensions

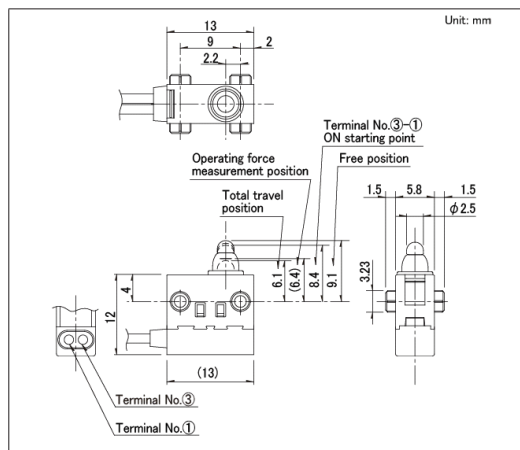


- Circuit Diagram

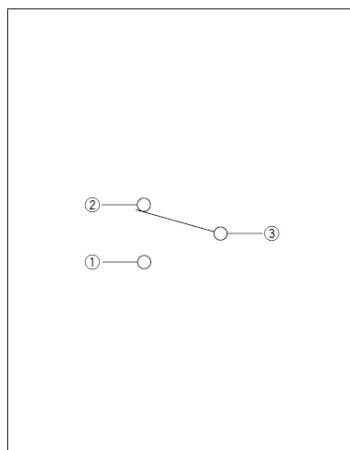


Drawing No.20

■ Dimensions

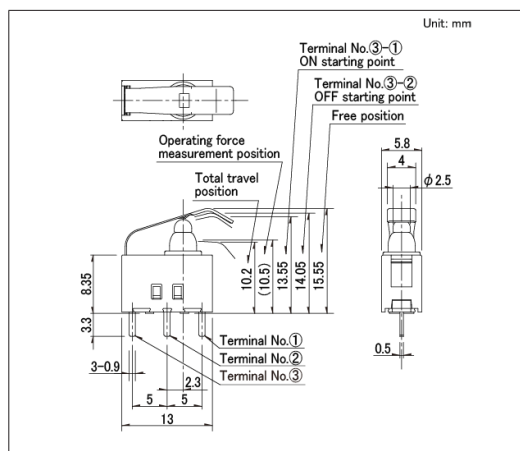


- Circuit Diagram

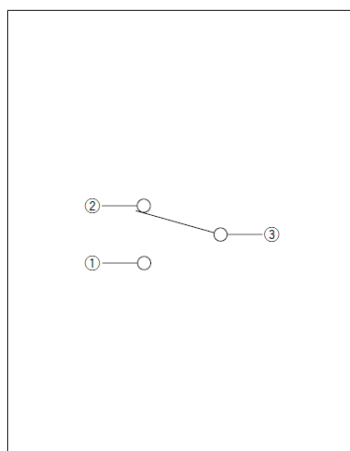


Drawing No.21

■ Dimensions



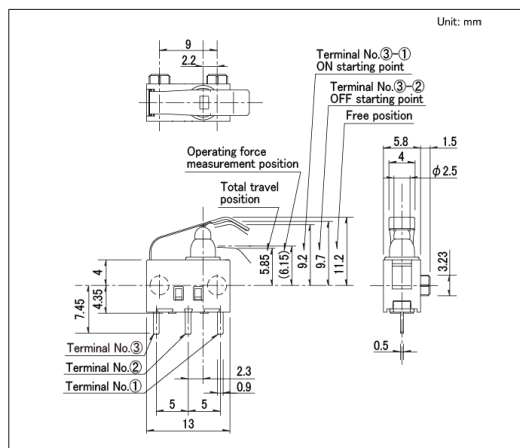
- Circuit Diagram



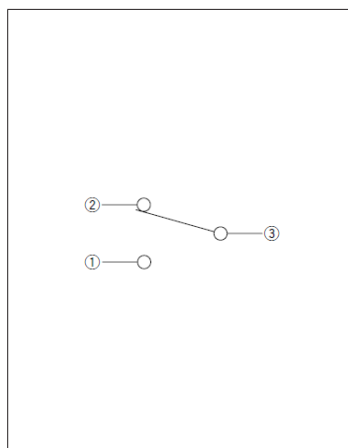
Water-proof Type
SPVQ3 Series

Drawing No.22

■ Dimensions

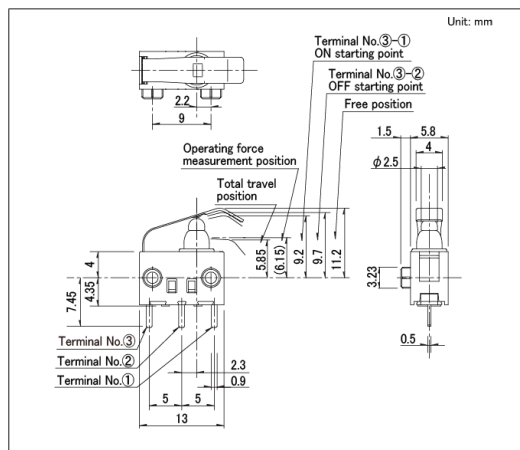


■ Circuit Diagram

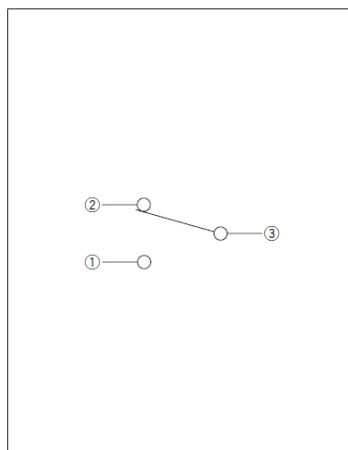


Drawing No.23

■ Dimensions

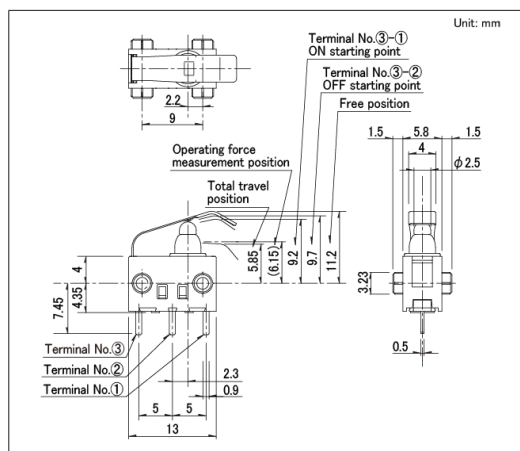


■ Circuit Diagram

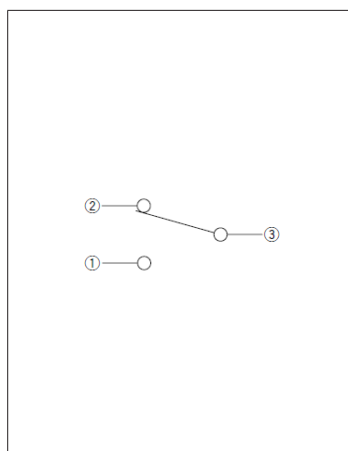


Drawing No.24

■ Dimensions



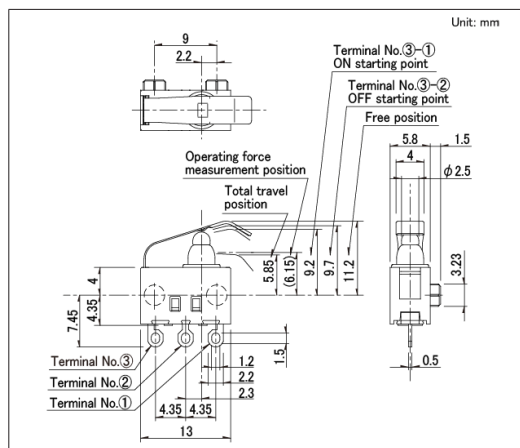
■ Circuit Diagram



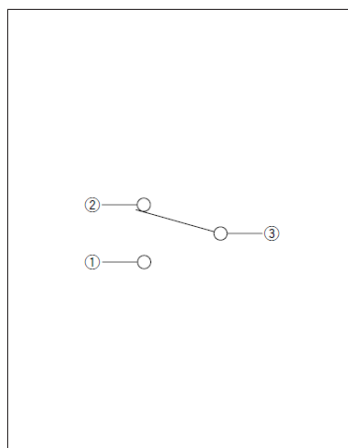
Water-proof Type SPVQ3 Series

Drawing No.25

■ Dimensions

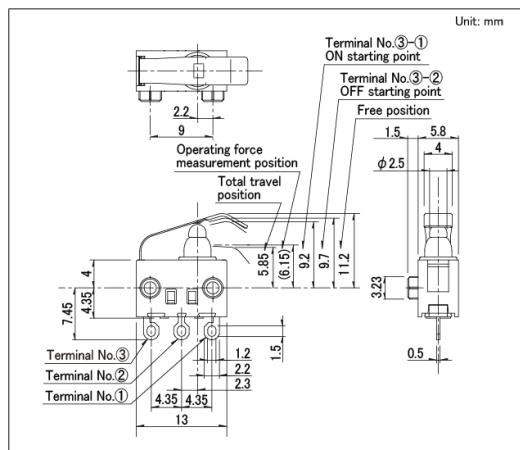


- Circuit Diagram

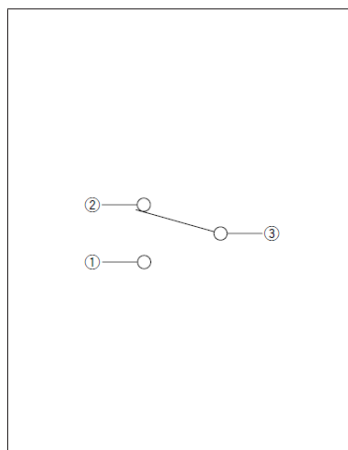


Drawing No.26

■ Dimensions

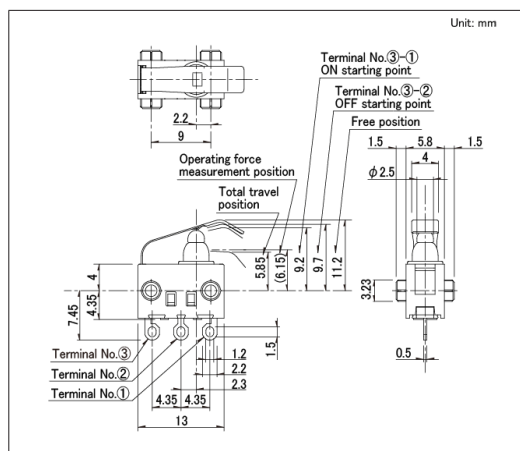


- Circuit Diagram

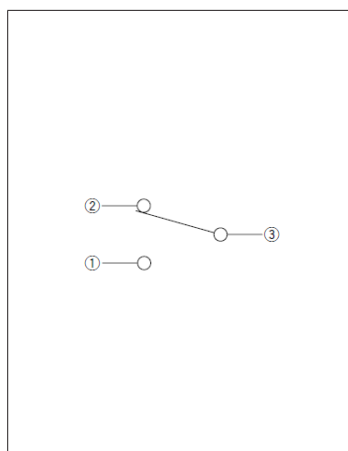


Drawing No.27

■ Dimensions



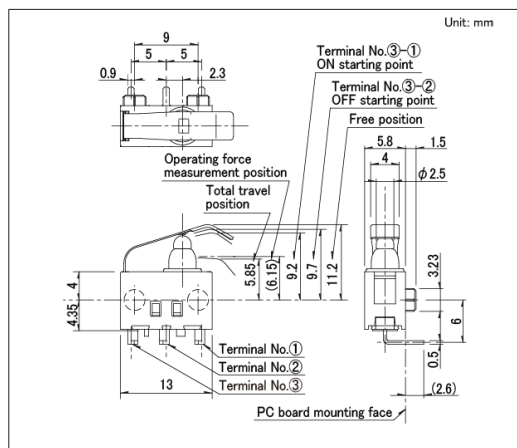
- Circuit Diagram



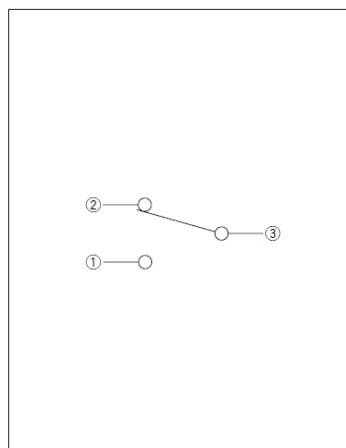
Water-proof Type
SPVQ3 Series

Drawing No.28

■ Dimensions

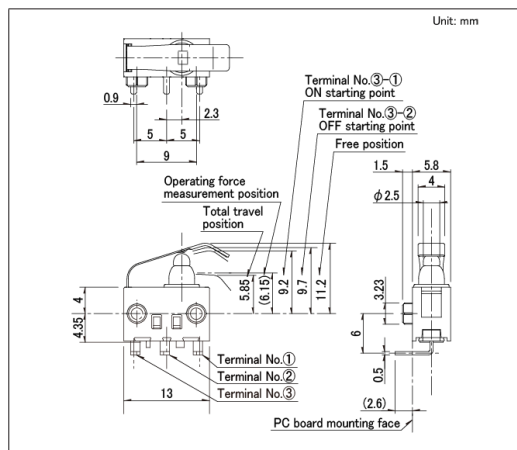


■ Circuit Diagram

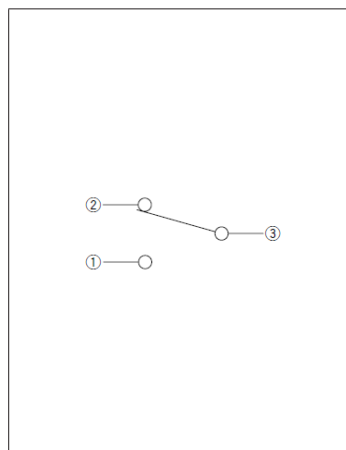


Drawing No.29

■ Dimensions

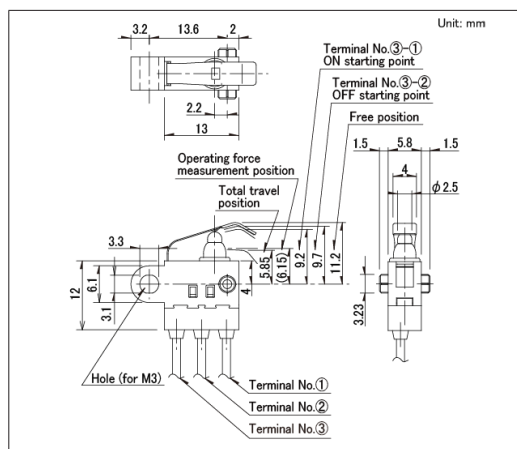


■ Circuit Diagram

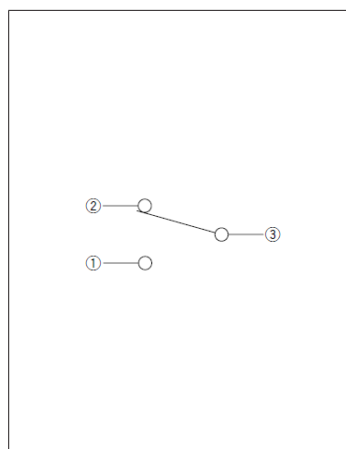


Drawing No.30

■ Dimensions



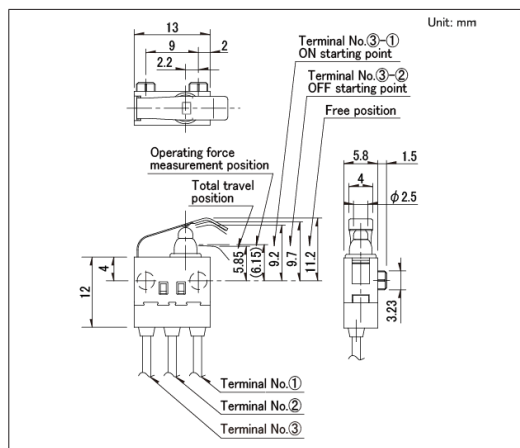
■ Circuit Diagram



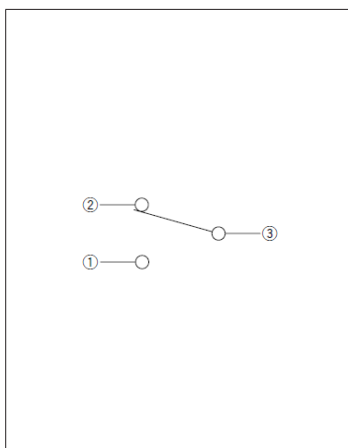
Water-proof Type SPVQ3 Series

Drawing No.31

■ Dimensions

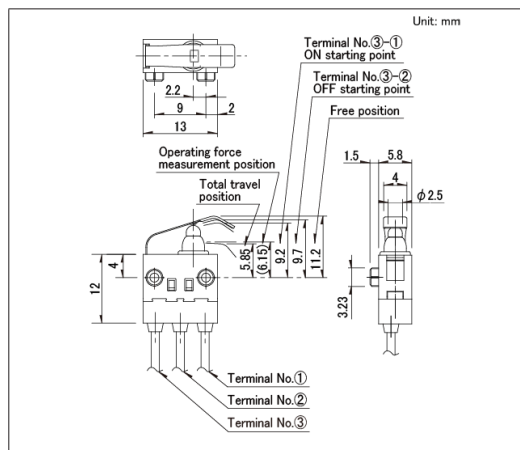


- Circuit Diagram

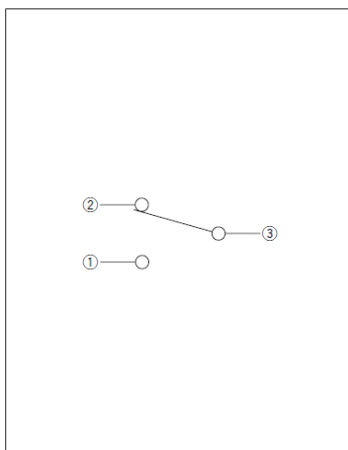


Drawing No.32

■ Dimensions

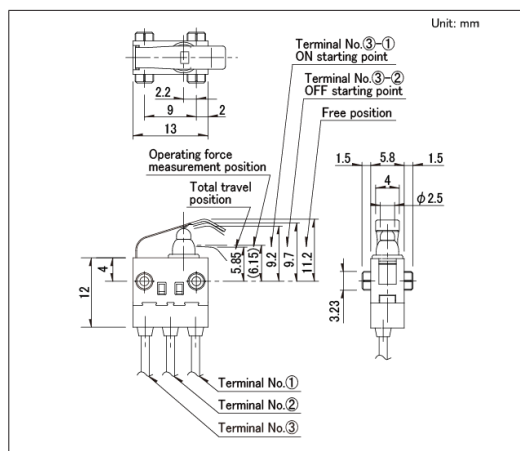


- Circuit Diagram

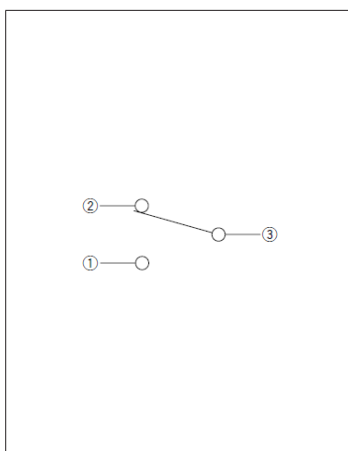


Drawing No.33

■ Dimensions

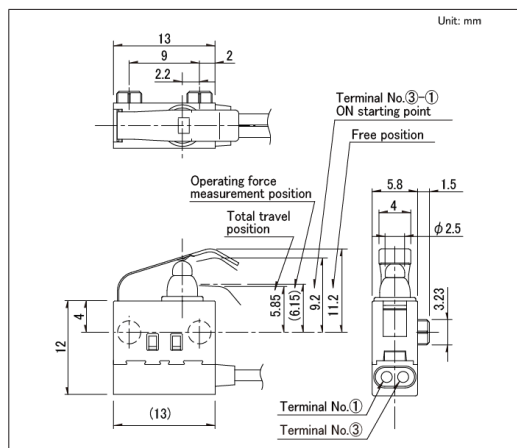


- Circuit Diagram

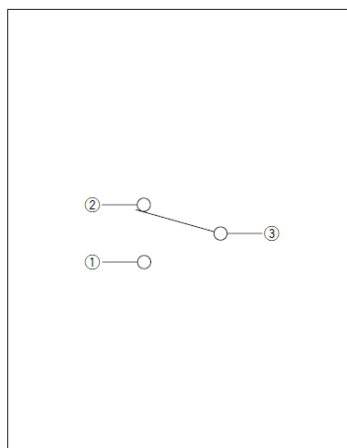


Water-proof Type
SPVQ3 Series**Drawing No.34**

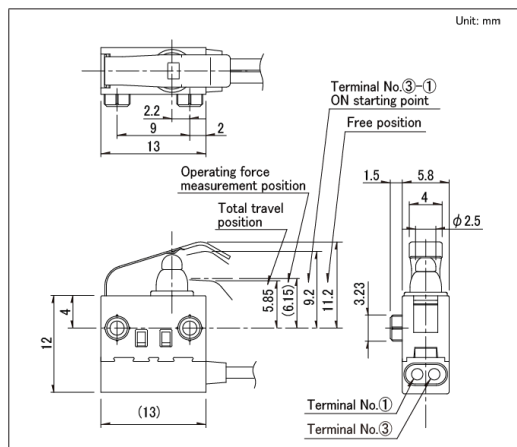
■ Dimensions



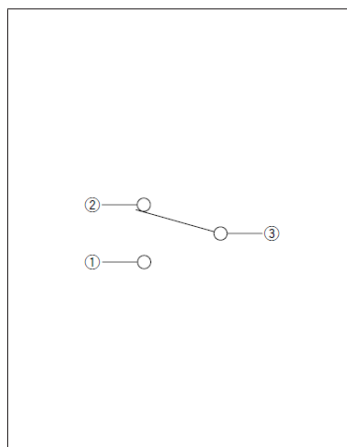
■ Circuit Diagram

**Drawing No.35**

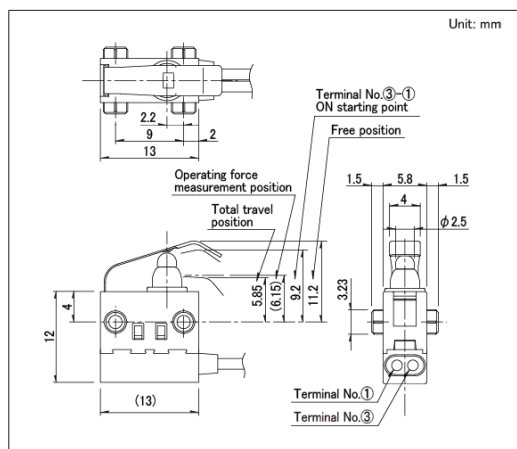
■ Dimensions



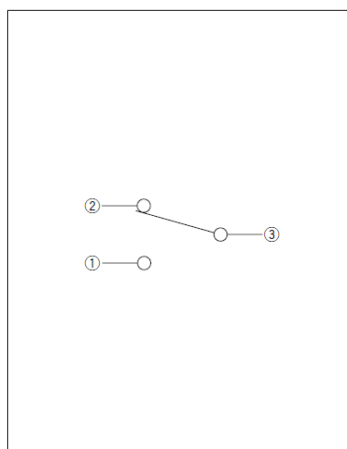
■ Circuit Diagram

**Drawing No.36**

■ Dimensions



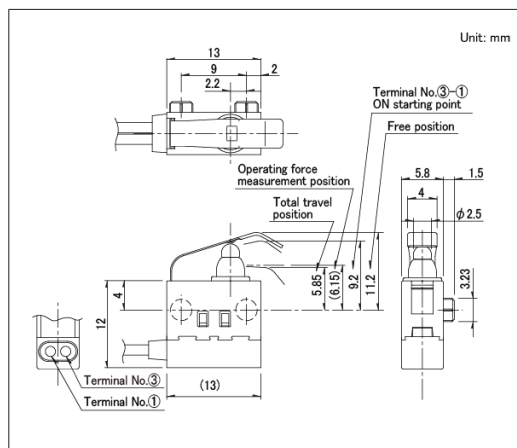
■ Circuit Diagram



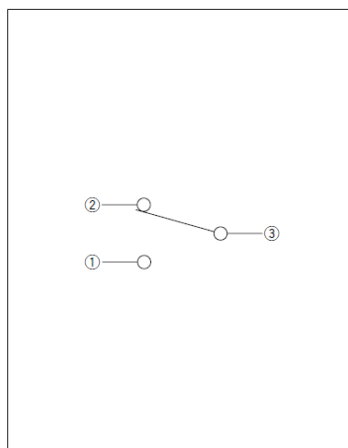
Water-proof Type SPVQ3 Series

Drawing No.37

■ Dimensions

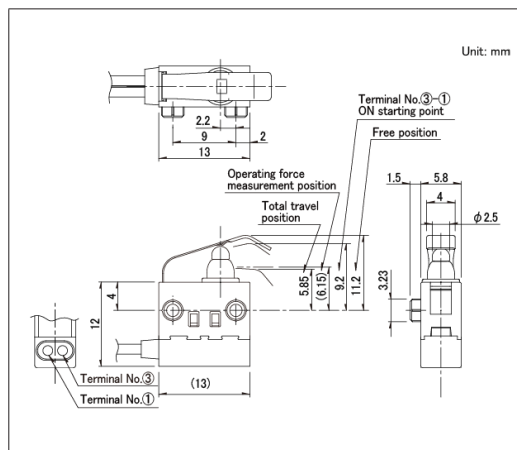


- Circuit Diagram

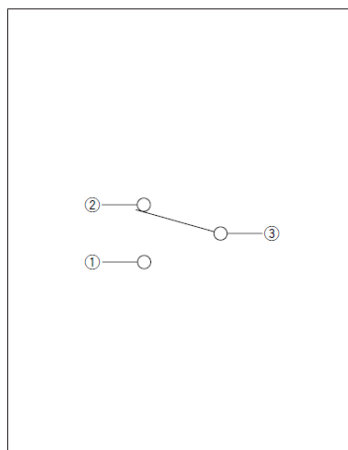


Drawing No.38

- Dimensions

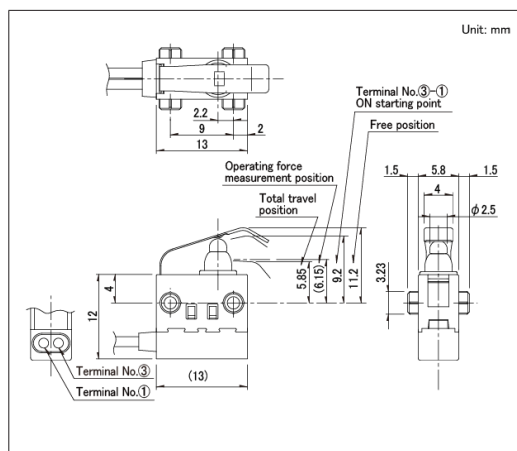


- Circuit Diagram

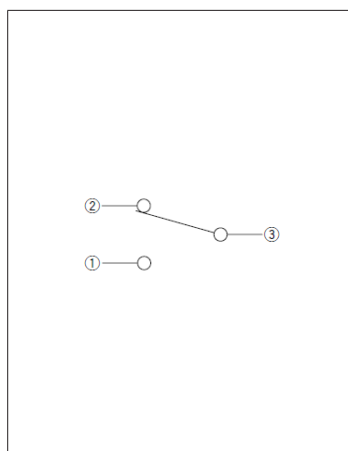


Drawing No.39

■ Dimensions



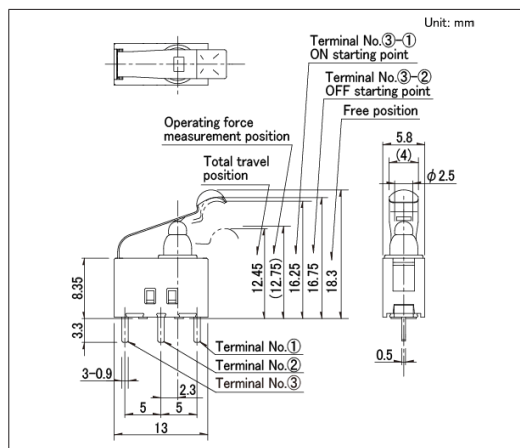
- Circuit Diagram



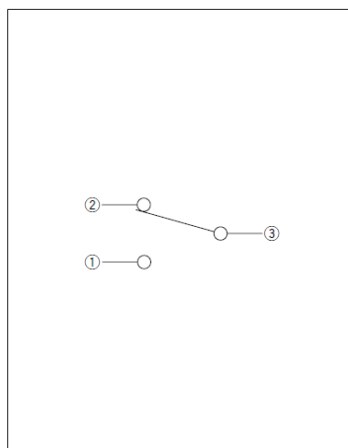
Water-proof Type
SPVQ3 Series

Drawing No.40

■ Dimensions

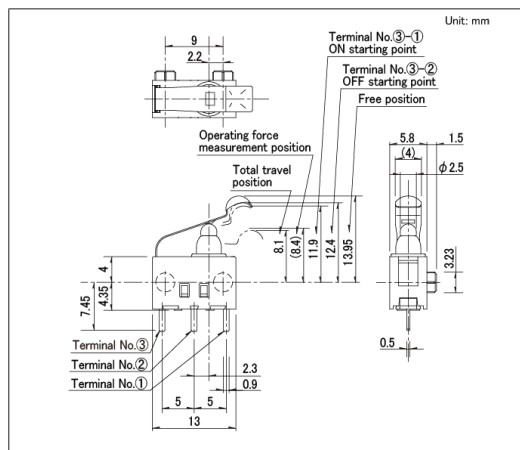


■ Circuit Diagram

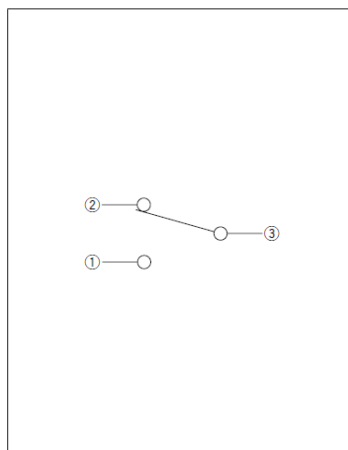


Drawing No.41

■ Dimensions

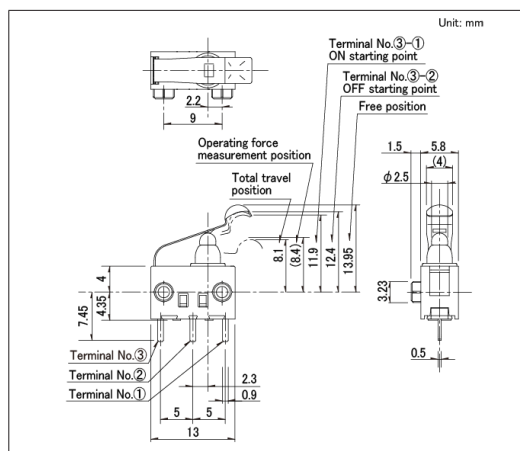


■ Circuit Diagram

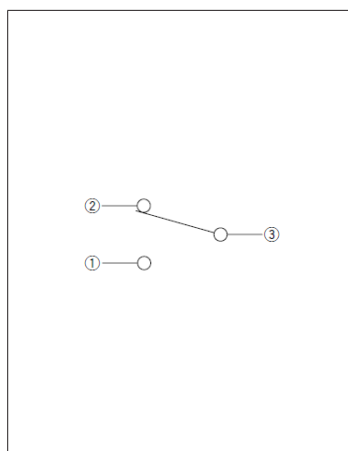


Drawing No.42

■ Dimensions



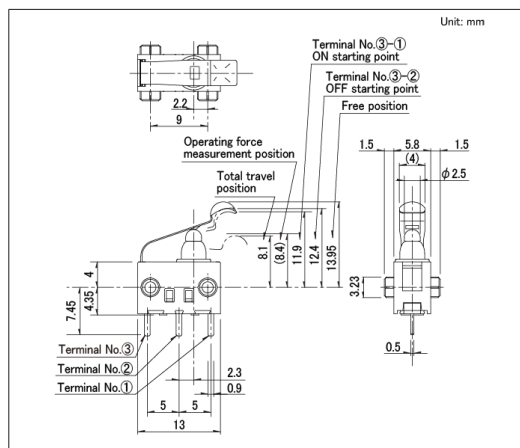
■ Circuit Diagram



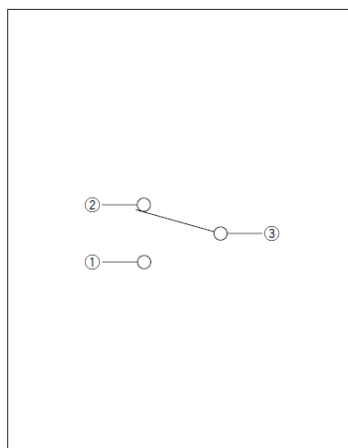
Water-proof Type
SPVQ3 Series

Drawing No.43

■ Dimensions

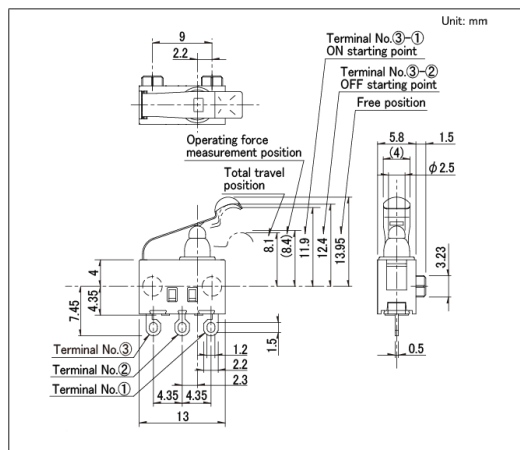


■ Circuit Diagram

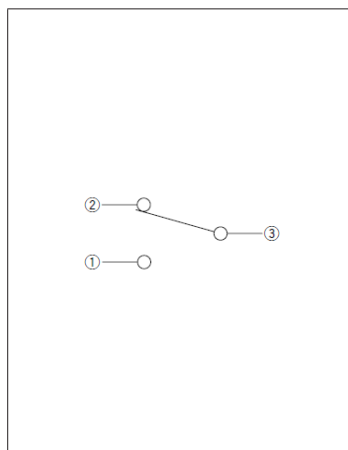


Drawing No.44

■ Dimensions

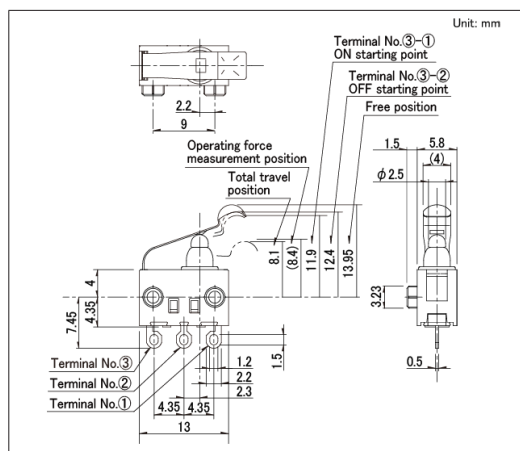


■ Circuit Diagram

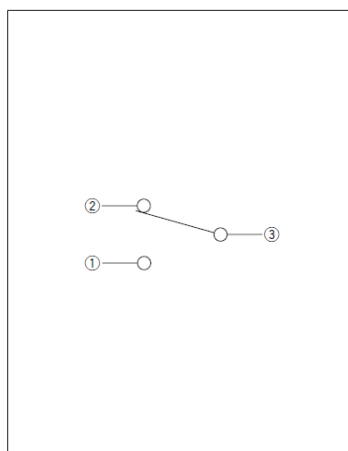


Drawing No.45

■ Dimensions



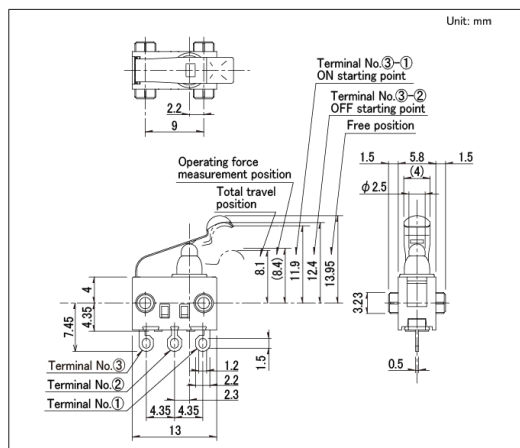
■ Circuit Diagram



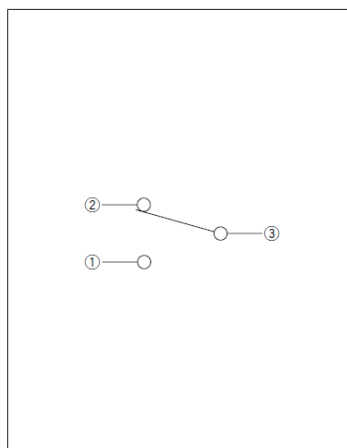
Water-proof Type
SPVQ3 Series

Drawing No.46

■ Dimensions

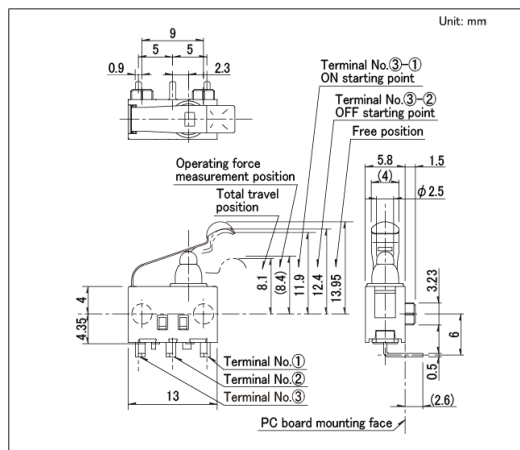


■ Circuit Diagram

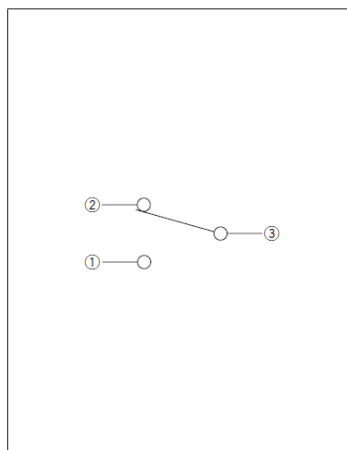


Drawing No.47

■ Dimensions

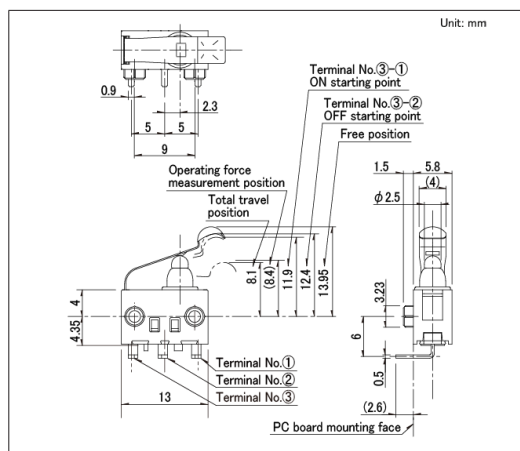


■ Circuit Diagram

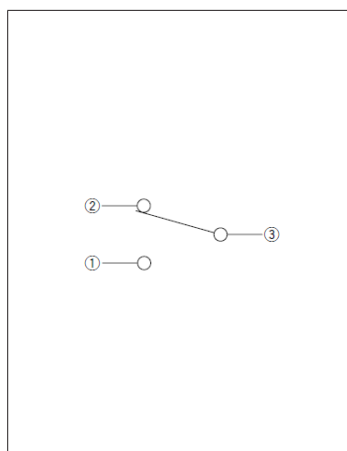


Drawing No.48

■ Dimensions



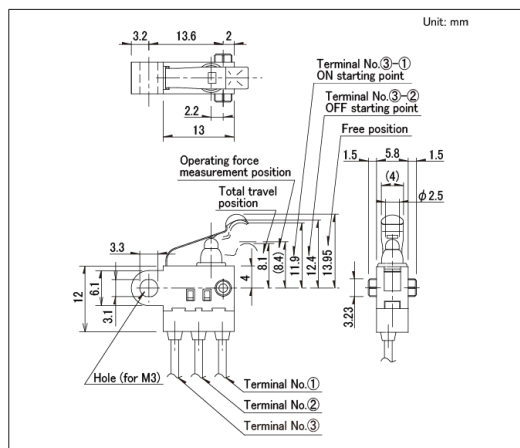
■ Circuit Diagram



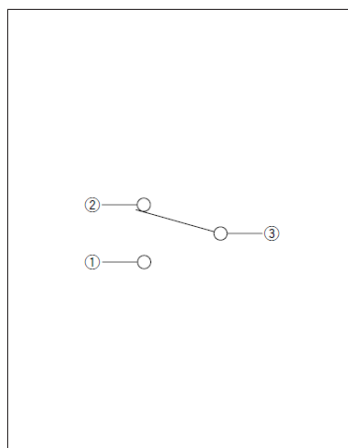
Water-proof Type SPVQ3 Series

Drawing No.49

■ Dimensions

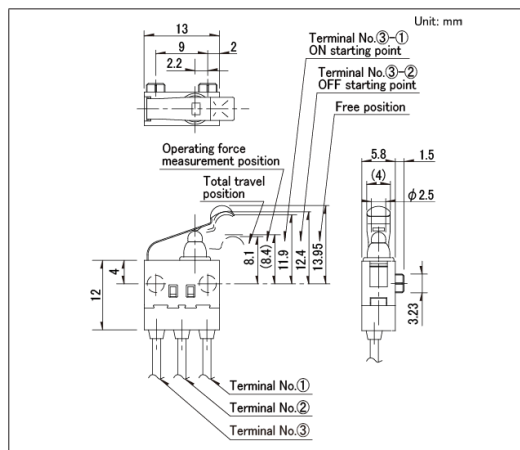


- Circuit Diagram

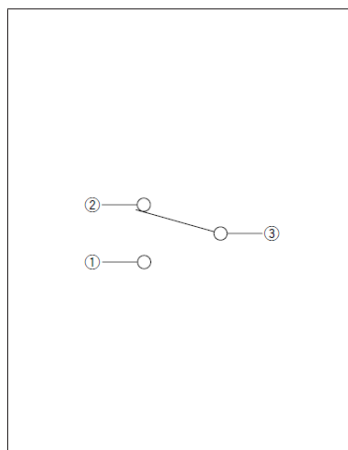


Drawing No.50

■ Dimensions

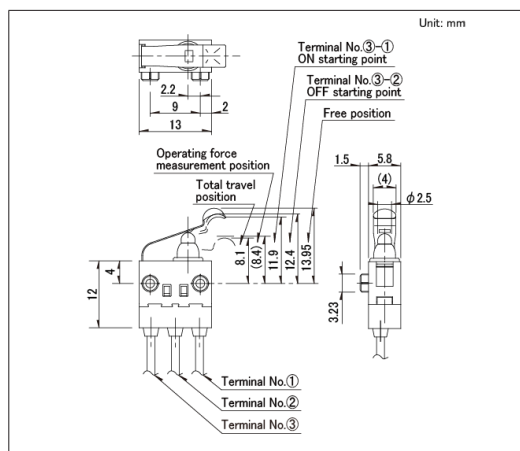


- Circuit Diagram

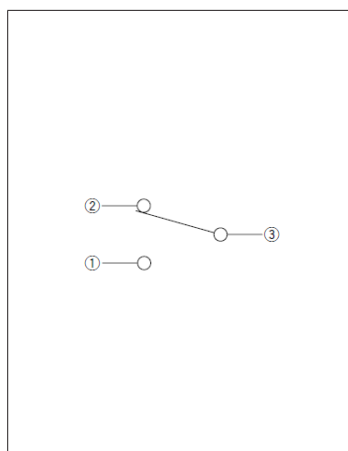


Drawing No.51

■ Dimensions



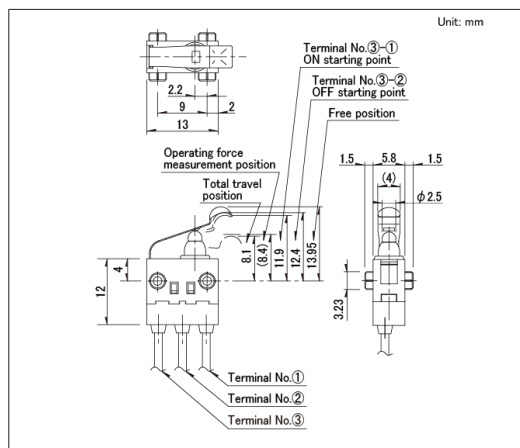
- Circuit Diagram



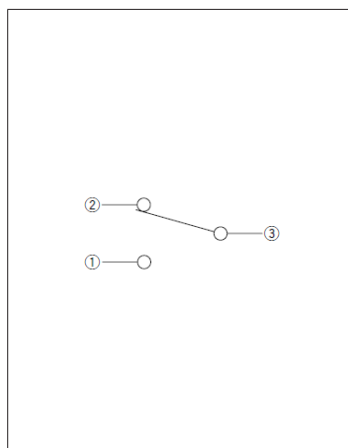
Water-proof Type
SPVQ3 Series

Drawing No.52

■ Dimensions

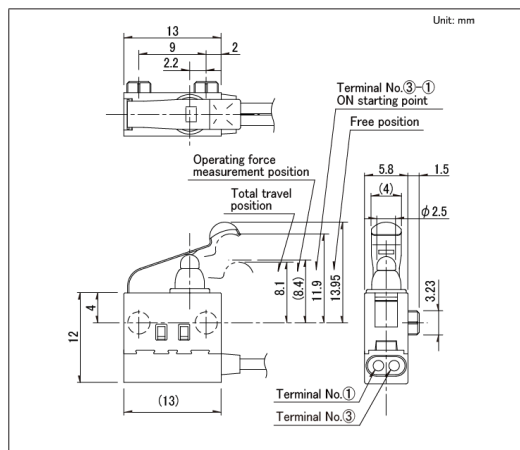


■ Circuit Diagram

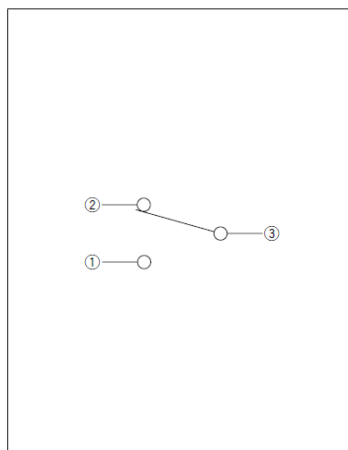


Drawing No.53

■ Dimensions

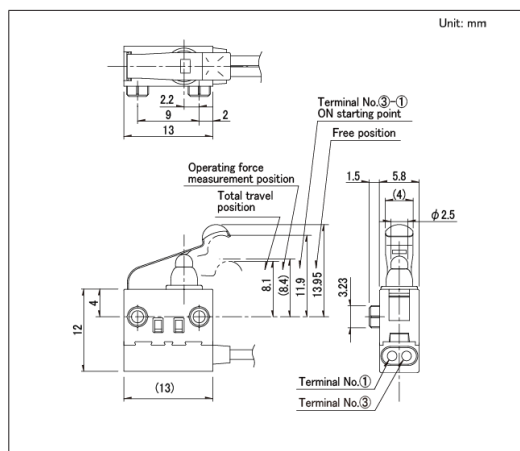


■ Circuit Diagram

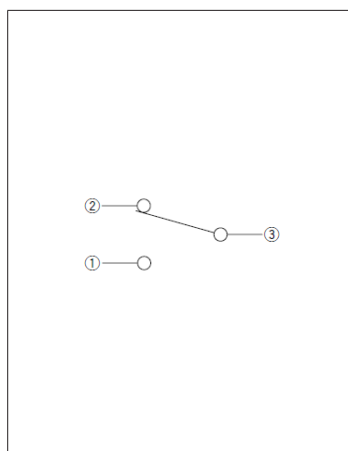


Drawing No.54

■ Dimensions

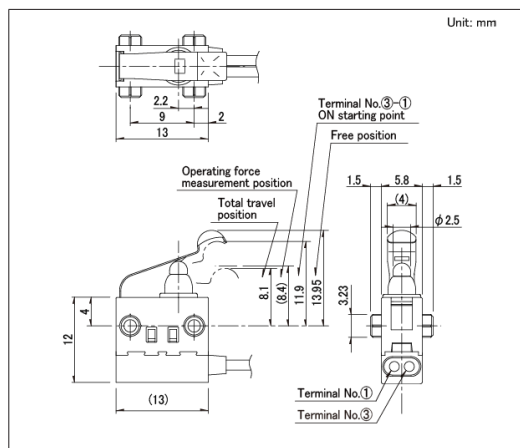


■ Circuit Diagram

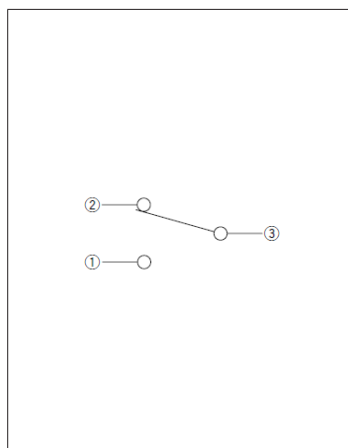


Water-proof Type
SPVQ3 Series**Drawing No.55**

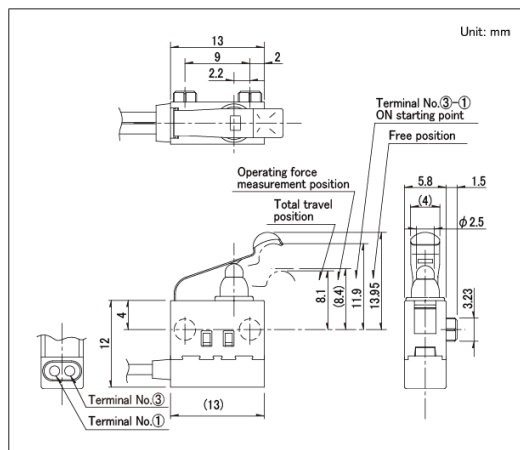
■ Dimensions



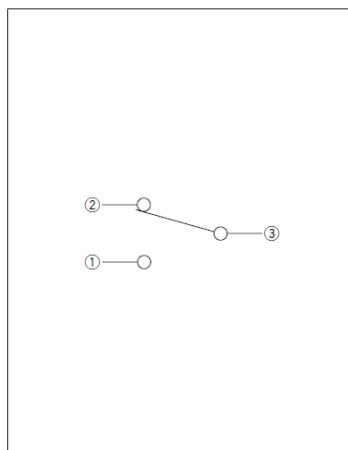
■ Circuit Diagram

**Drawing No.56**

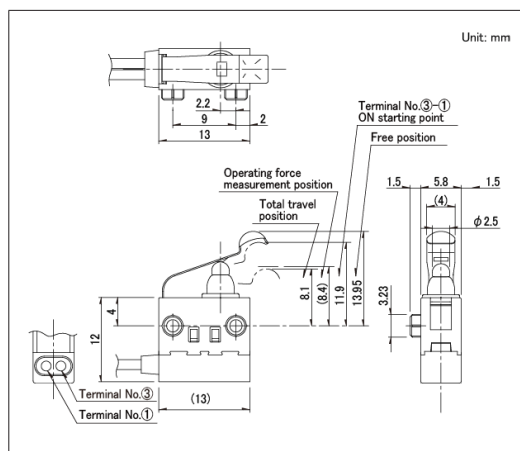
■ Dimensions



■ Circuit Diagram

**Drawing No.57**

■ Dimensions



■ Circuit Diagram

