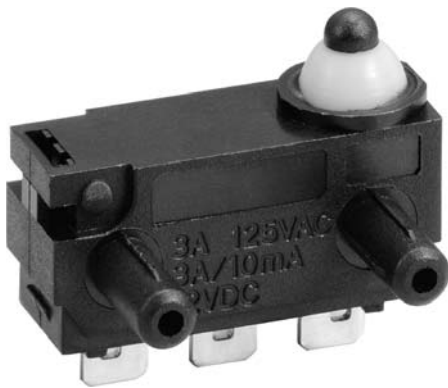




SDW SERIES

SPECIFICATIONS

Contact Resistance(initial)

Max. 100 mΩ

Measured by ohm meter - open voltage <1 VDC, driver current -100 mA

Insulation Resistance(at 250 VDC / minute)

Min. 100 MΩ

Dielectric Strength

150 VAC(50~ 60 Hz)

Operating Temperature Range

-40°C to 85°C (with no icing)

Vibration

10~55 Hz, displacement 0.75 mm(p-p)

Electrical Service Life

10 mA - Min. 500,000 operations

3A - Min. 6,000 operations

Electrical Operating Frequency

10mA-120 operations per minute

3A-10~30 operations per minute

Mechanical Service Life

Min. 500,000 operations

Mechanical Operating Frequency

120 operations per minute

APPLICATIONS

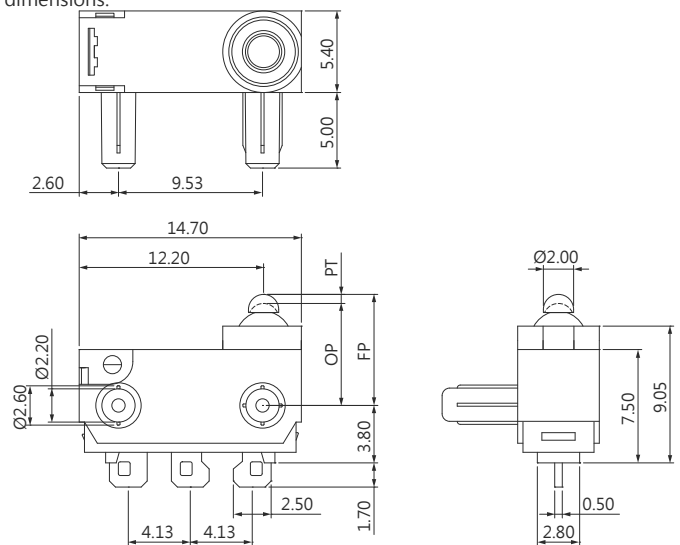
Automotive (Seat Belt, Door Latch, Engine Hood, Door Trunk), Air
Conditioner, Communication, Security System, Electric Tooth Brush, Toy

CERTIFICATE INFORMATION

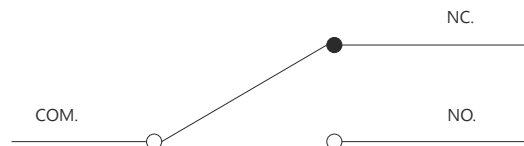
Model Name	UL, cUL	ENEC14
SDW-N2S	10 mA 12 VDC (Temp65°C), Min. 10,000 operations	10 mA 12 VDC, μ 5E5
SDW-N3S	3 A 12 VDC (Temp65°C) Min. 100,000 operations 3 A 125 VAC (Temp65°C) Min. 6,000 operations	3 A 12 VDC, μ 1E5

DIMENSIONS

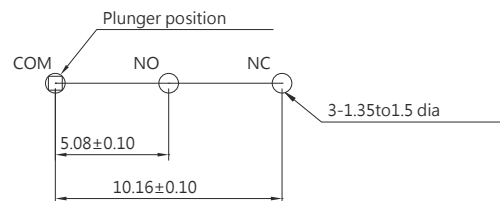
Unless otherwise specified, a tolerance of ±0.4mm applies to all dimensions.



CONTACT CONFIGURATION



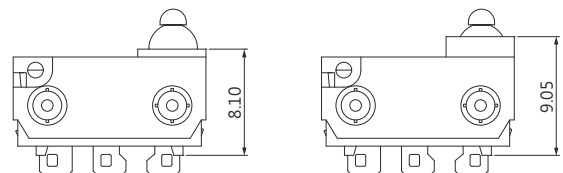
MOUNTING HOLES FOR PCB TERMINAL



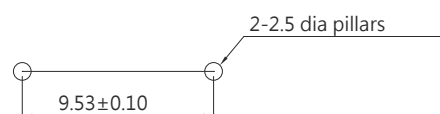
TRAVEL TYPES

LONG TRAVEL

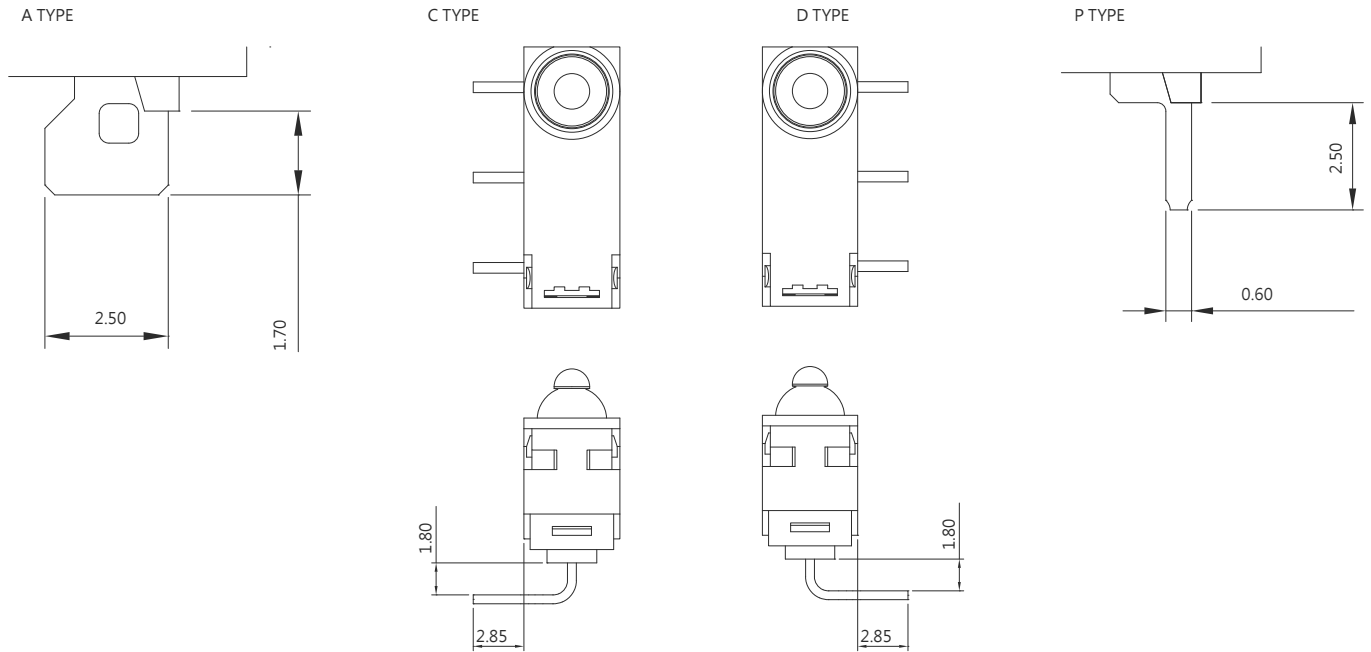
SHORT TRAVEL



PILLAR PITCH

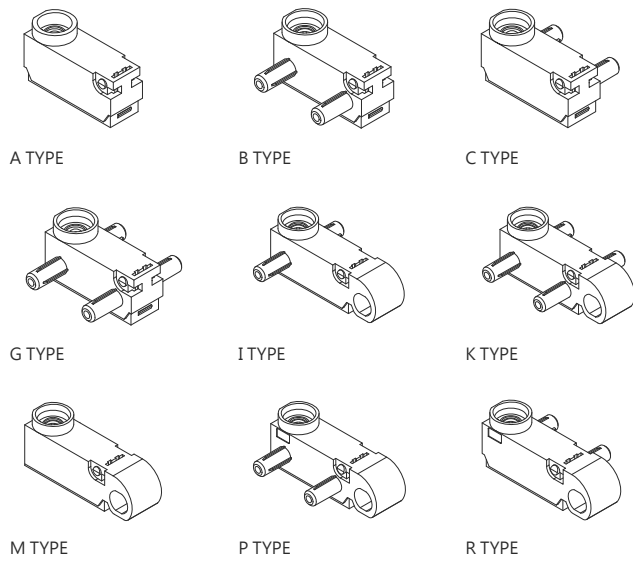


TERMINAL TYPES (THE thickness of each terminal is 0.5mm)

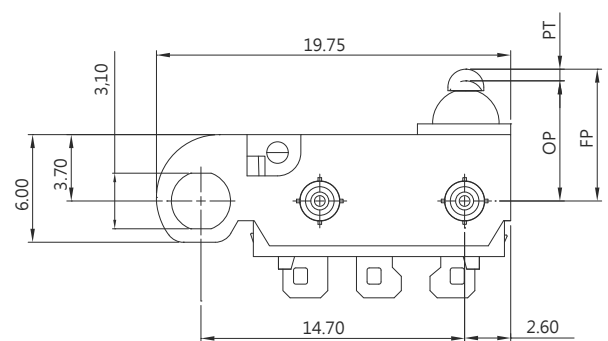
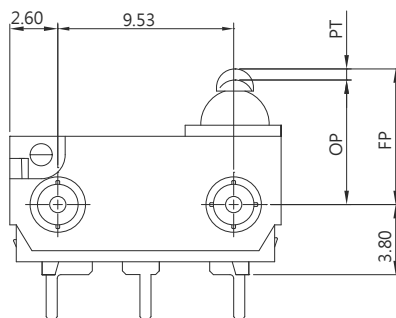
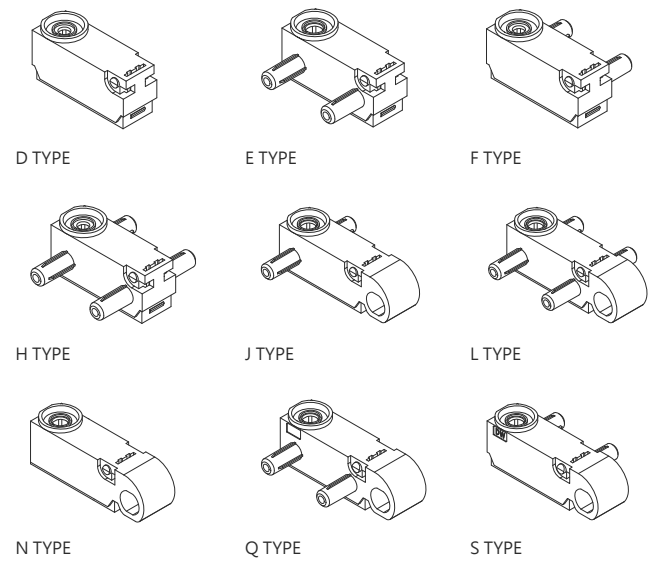


COVER TYPES (PILLAR & TRAVEL TYPES)

SHORT TRAVEL



LONG TRAVEL



ORDERING INFORMATION

S

D

W

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A

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A

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A

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Z

SERIES
PREFIX

RATING
CURRENT

OPERATING
FORCE

ACTUATOR
TYPE

TERMINAL
TYPE

CIRCUIT
ARRANGEMENT

PILLAR&
TRAVEL
TYPE

SPECIAL CODE

ROHS
CODE

N2
10mA 12VDC
Contact Plated
Gold and
Terminal Plated
Sliver

N3
3A 12VDC
3A 125VAC
Terminal Plated
Sliver and
Contact is Sliver

S
STANDARD

00
01
04

A
C
D
P

0
S.P.D.T
1
S.P.S.T NO
ONLY TERMINAL
TYPE C D P
2
S.P.S.T NC
ONLY TERMINAL
TYPE C D P

A
B
C
G
I
K
M
P
R
D
E
F
H
J
L
N
Q
S

SHORT TRAVEL
LONG TRAVEL

DIMENSIONS

CODE	L1	H	ΦA	ΦB	ΦC	ΦD	P
A	2.0	3.7	2.2	2.6	2.2	2.6	9.53
B	3.5	3.7	2.2	2.6	2.2	2.6	9.53
C	2.8	3.75	2.7	3.1 (THREE RIBS)	2.2	2.6	9.53
D	4.0	3.7	2.2	2.6	2.2	2.6	9.53
E	0.9	3.7	2.2	N/A	2.2	N/A	9.53
F	1.8	3.7	2.5	N/A	2.5	N/A	9.53
G	5.0	3.7	2.4	2.8	2.4	2.8	8.0

OPERATING CHARACTERISTICS

SWITCH TYPE	PART SUFFIX	OF Max (gf)		OP (mm)	PT Max (mm)	OT Min (mm)	MD Max (mm)	FP Max (mm)	RF Min (gf)
SDW- □□ S-00A0-Z		S	130	3.05±0.2	0.8	0.8	0.3	3.65	13
				6.75±0.2				7.35	
SDW- □□ S-01A0-Z		S	195	3.7±0.5	3.85	1.35	0.5	7.0	55
				7.4±0.5				10.7	
SDW- □□ S-04A0-Z		S	160	6.2±0.8	4.8	1.65	0.7	10.1	45
				9.9±0.8				13.8	