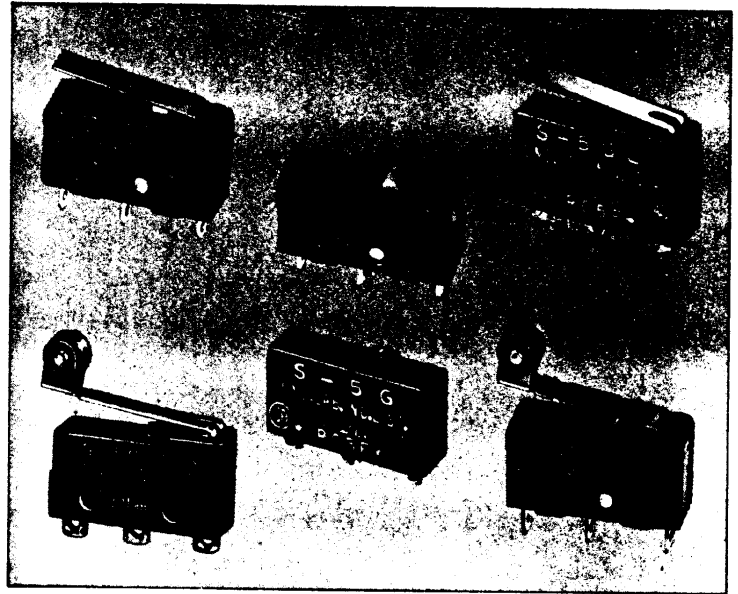


Wide Range of OEM Low Cost Microswitch for Long Life Operation.

### FEATURES

- Fully interchangeable with general V4 series
- International approvals including UL (USA) and CSA (Canada)
- Faston, solder and PCB connection.
- High switching capacity.



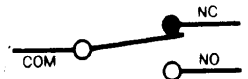
103-36819

### SPECIFICATIONS

#### CONTACT RATINGS

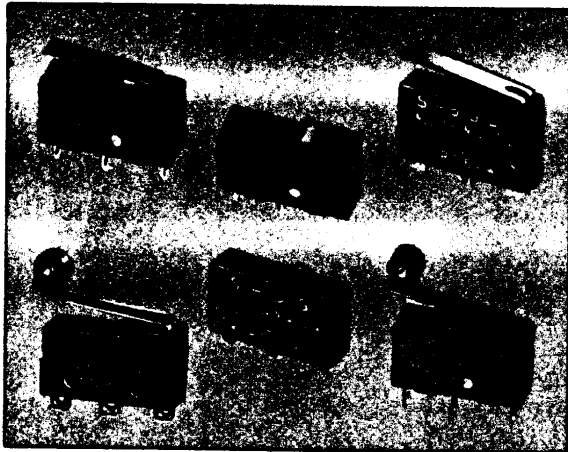
Type	S5		SS5		J7		D2M	
	Resistive Load	Inductive Load	Resistive Load	Inductive Load	Resistive Load	Inductive Load	Resistive Load	Inductive Load
125VAC	5	4	5	3	7	4	/	/
250VAC	5	4	3	2	5	2		
8VDC	5	4	5	5	7	3	0.5	0.2
14VDC	5	4	5	4	7	3	0.5	0.2
30VDC	5	4	4	3	5	3	0.5	0.2
125VDC	0.4	0.4	0.4	0.4	0.4	0.03	—	—
250VDC	0.2	0.2	0.2	0.2	0.2	0.02	—	—
Inrush Current	N/C: 12A N/C: 24A		N/O: 10A N/C: 20A					

#### CONTACT ARRANGEMENT



#### CHARACTERISTICS

Item	Type	S5	SS5	J7	D2M
	Operating speed		0.1mm to 1M./sec		0.1mm to 0.5M./sec
Operating frequency		300/min max.	400/min max.	200/min max.	60/min max.
Contact resistance		15MΩ max.		20MΩ max.	
Insulation resistance		100MΩ min @ 500VDC			
Dielectric strength		1500VAC 50/60Hz – each terminal and non-current carrying parts		1500VAC 50/60Hz – each terminal and non-current carrying parts	
		1000VAC 50/60Hz – non continuous terminals		500VAC 50/60Hz – non continuous terminals	
Vibration		10 to 55Hz max. 1.5mm double amplitude			
Shock		100G max.	30G max.	20G max.	50G max.
Ambient temperature		-25 to +80°C	-15 to +85°C	-25 to +80°C	-15 to +70°C
Humidity		80% RH max.	85% RH max.	80% RH max.	70% RH max.
Service life	Mechanical	100,000 Ops. min.	30,000,000 Ops. min.	50,000 Ops. min.	30,000 Ops. min.
	Electrical	See Electrical Life Graphs			
Weight		4.6g max.	1.6g	2g	0.3g



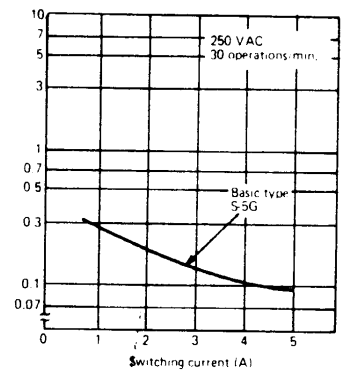
<b>O.F.</b>	Operate force
<b>R.F.</b>	Release force
<b>P.T.</b>	Pre travel
<b>O.T.</b>	Over travel
<b>M.D.</b>	Movement Differential

■ AVAILABLE TYPES

● S5 SERIES

- Terminals: Solder Turret
- Accessories: SAL Plain Lever actuator  
SAL2 Roller Lever actuator

● ELECTRICAL LIFE

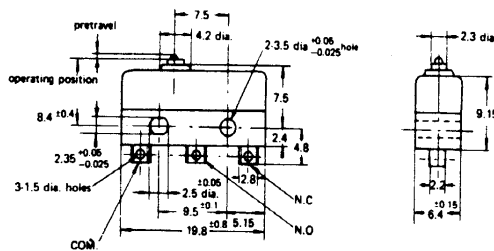
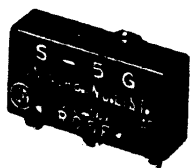


Type

Dimensions

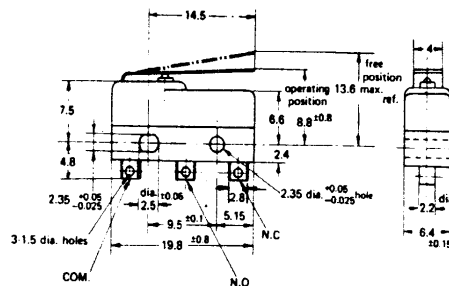
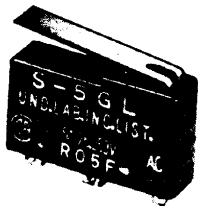
Specifications

Pin Plunger  
S5G



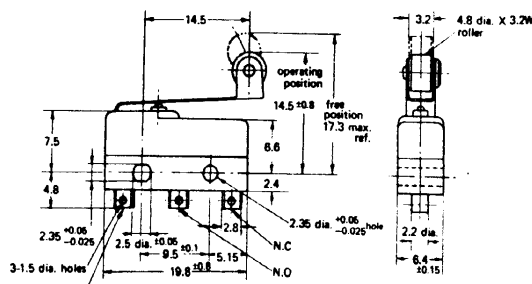
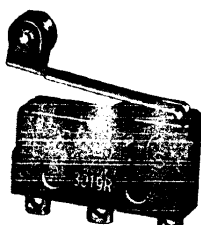
<b>O.F.</b>	200g max.
<b>R.F.</b>	40g min.
<b>P.T.</b>	0.8mm max.
<b>O.T.</b>	0.13mm min.
<b>M.D.</b>	0.1mm max.

Plain Lever  
S5GL



<b>O.F.</b>	180g max.
<b>R.F.</b>	14g min.
<b>P.T.</b>	4mm max.
<b>O.T.</b>	0.8mm min.
<b>M.D.</b>	0.8mm max.

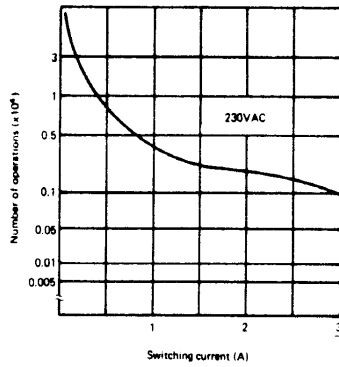
Roller Lever  
S5GL2



<b>O.F.</b>	180g max.
<b>R.F.</b>	14g min.
<b>P.T.</b>	2.4mm max.
<b>O.T.</b>	0.8mm min.
<b>M.D.</b>	0.8mm max.

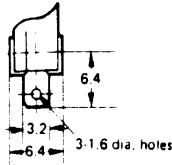
S5 SERIES

ELECTRICAL LIFE



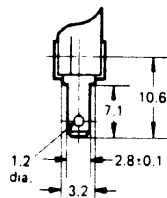
TERMINALS

Solder terminal



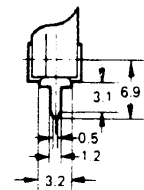
No Type Number Suffix

Quick-connect terminal (#110)



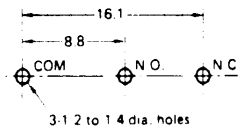
Type Number Suffix: T

PCB terminal



Type Number Suffix: D

PCB layout

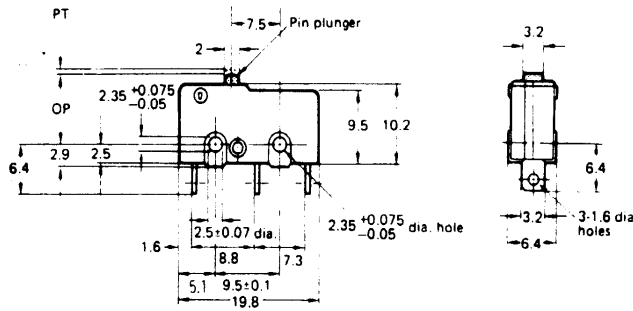


Type

Dimensions

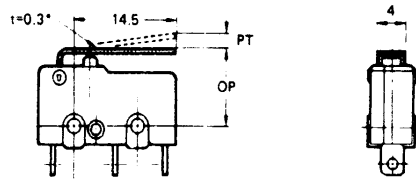
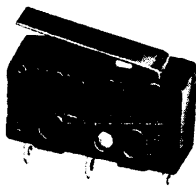
Specifications

Plain Broad Plunger  
SS5G



O.F.	150g max.
R.F.	25g min.
P.T.	0.5mm max.
O.T.	0.5mm min.
M.D.	0.1mm max.

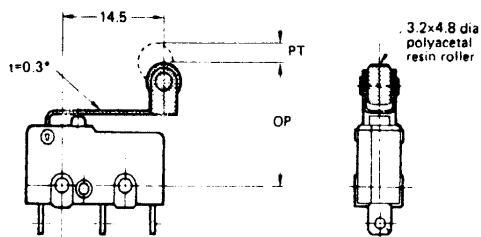
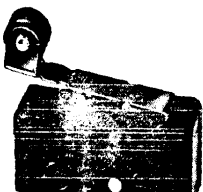
Plain Lever  
SS5GL



\* Stainless spring steel

O.F.	50g max.
R.F.	6g min.
P.T.	—
O.T.	1.2mm min.
M.D.	0.8mm max.

Plain Roller Lever  
SS5GL2

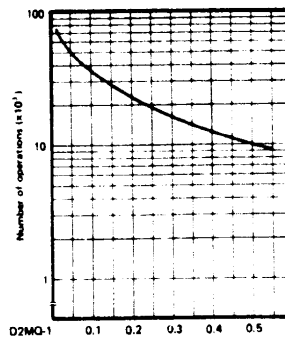


O.F.	50g max.
R.F.	6g min.
P.T.	—
O.T.	1.2mm min.
M.D.	0.8mm max.

● D2M SERIES

● ELECTRICAL LIFE

- TERMINAL: DUAL PURPOSE SOLDER/PCB

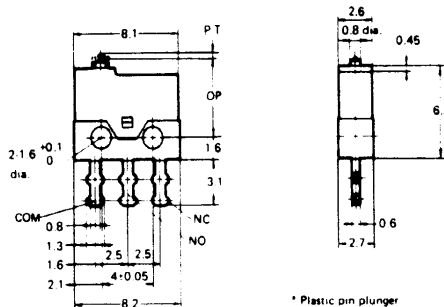


Type

Dimensions

Specifications

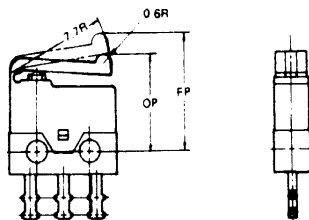
Pin Plunger  
D2MQ-1



\* Plastic pin plunger

O.F.	120g max.
R.F.	20g min.
P.T.	0.4mm max.
O.T.	0.1mm min.
M.D.	0.1mm max.

Plain Lever  
D2MQ-1L



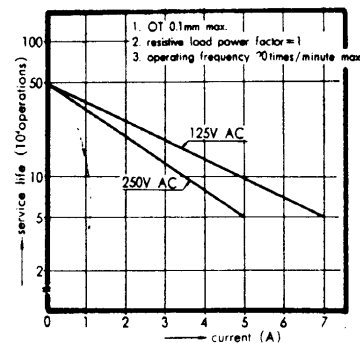
\* Plastic leaf lever

O.F.	60g max.
R.F.	8g min.
P.T.	2.4mm max.
O.T.	0.3mm min.
M.D.	0.7mm max.

● J7 SERIES

● ELECTRICAL LIFE

- Terminal: Solder turret
- Accessory: JAL leaf spring actuator

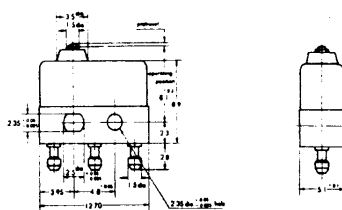


Type

Dimensions

Specifications

Pin Plunger  
J7



O.F.	140g max.
R.F.	28g min.
P.T.	0.6mm max.
O.T.	0.1mm min.
M.D.	0.15mm max.

**IMO PRECISION CONTROLS**