



### Features

- Double circuit type of limit switch
- Highly rigid construction, consists of intensive plastic and aluminum cast (Head and cover snugly fit in box)
- Small volume, water-proof and oil-proof construction
- Built-in basic switch with double spring mechanism, longer mechanical life
- Smooth operation with greater OT
- Easy-to-wire circuit opening design
- Wide variety of actuators, easily use

### Contact Form



### Ratings

Rated voltage	Noninductive Load (A)						Inductive Load (A)					
	Resistance Load			Lamp Load			Inductive Load			Motor Load		
	NC	NO	NC	NO	NC	NO	NC	NO	NC	NO	NC	NO
125VAC	5	5	1.5	0.7	3	3	3	2	1			
250VAC	5	5	1	0.5	3	3	3	1.5	0.8			
500VAC												
8VDC	5	5	3	3	5	4	3	4	3	3	3	3
14VDC	5	5	3	3	4	4	3	4	3	3	3	3
30VDC	5	5	3	3	4	4	4	4	3	3	3	3
125VDC	0.4	0.4										
250VDC	0.2	0.2										

Inrush Current N.C. below 24A, N.O. below 12A

### NOTES:

1. Inductive load has a power factor of 0.4 min. (AC) and a time constant of 7 msec. max. (DC).
2. Lamp load has an inrush current of 10 times the steady-state current, while motor load has an inrush current of 6 times the steady-state current.

### Characteristics

Operation speed	0.5mm-50cm/sec
Operating frequency	Mechanical: 120 operations/minute Electrical: 30 operations/minute
Contact resistance	25m max. (initial value)
Insulation resistance	100m min. (at 500VDC)
Dielectric strength	1000VAC, 50/60 HZ for 1 minute between terminals of the same polarity
	1500VAC, 50/60 HZ for 1 minute between current-carrying and non-current-carrying metal parts
	1500VAC, 50/60 HZ for 1 minute between each terminal and ground
Vibration	10-55HZ, 1.5mm double amplitude
Shock	Mechanical durable: 1,000m/Sec <sup>2</sup> (about 100G'S) Malfunction: 300m/Sec <sup>2</sup> (about 100G'S)
Ambient temperature	-5 to +65
Humidity	<95% RH
Life	Mechanical: 10,000,000 operations above
	Electrical: 500,000 operations above
Weight	About 130 to 190g
Degree of protection	IP65

### Operating characteristics

Models	ID-8104	ID-8108	ID-8107	ID-8111	ID-8112/8122	ID-8166/8167/8168/8169
OF Max.	750g	750g	750g	900g	900g	150g
RF Min.	100g	100g	100g	150g	150g	-
PT Max.	20°	20°	20°	1.5mm	1.5mm	30mm
OT Min.	50°	50°	50°	4mm	4mm	-
MD Max.	12°	12°	12°	1mm	1mm	-
OP	-	-	-	26±0.8mm	37±0.8mm	-

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