

DOUBLE POLE DOUBLE THROW MICRO SWITCHES ZD-10 SERIES

Specifications

Operating Speed	0.01mm-1m/sec
Operating Frequency	Mechanical: 240ops/min Electrical: 20 ops/min
Insulation Resistance	>100MΩ@500V DC
Contact Resistance	<15mΩ
Rated Current/Voltage	10A 1/2HP 125/250VAC, 2A 480VAC, 0.5A 125VDC, 0.25A 250VDC
Dielectric Strength	1000VAC for 1 min between current carrying parts 1500VAC for 1 min between non-current carrying parts
Service Life	Mechanically 1.0 x10 ⁶ (operations) Electrically 5 x10 ⁵ (operations)
Operating Temperature	-40~+105 °C (-40~221°F)
Humidity	35%~85%RH
Degree of Protection	IP00

Definitions of Operating Characteristics

OF	Operating Force	PT	Pretravel
RF	Releasing Force	MD	Movement Differential
OT	Overtravel	OP	Operating Position
TT	Total Travel	PO	Travel to Positive Opening

Ratings

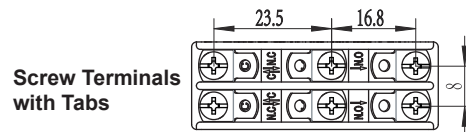
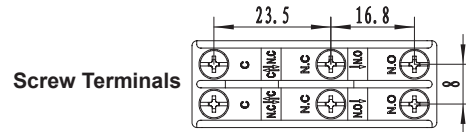
Item	Rate Voltage	Non-inductive load (A)				Inductive load (A)			
		Resistive load		Bulb load		Inductive load		Motor load	
		NC	NO	NC	NO	NC	NO	NC	NO
Series Connection	AC125	10	4	2	6	5	2.5		
	250	10	2.5	1.5	6	3	1.5		
	DC 30	10	4	2	6	6	3		
Parallel Connection	125	1	1	1	0.1	0.1	0.1		
	250	0.6	0.6	0.6	0.05	0.05	0.05		
	AC125	6	3	1.5	4	4	2		
Parallel Connection	250	6	2.5	1.25	4	2	1		
	DC 30	6	4	2	4	6	3		
	125	0.6	0.6	0.6	0.1	0.1	0.1		
	250	0.3	0.3	0.3	0.05	0.05	0.05		

Selection Guide:

ZD	10	G	-	*
	Current	Actuator		Terminal Style
10	10A	None Pin plunger V Lever V1 Short lever V2 Roller lever V22 Short roller lever W Lever W1 Short lever W2 Roller lever W22 Short roller lever		None Screw terminals P1 Soldering tab terminals

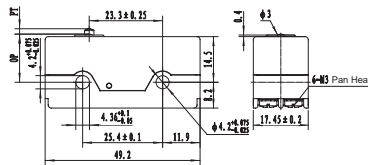
*Add (US) to have Ø3.55mm mounting holes

Terminal Dimensions Unit: mm



Dimensions Unit: mm

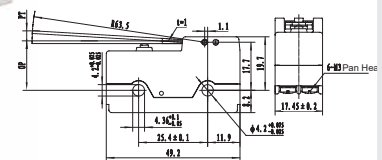
ZD-10G



Operating Characteristics

- OF_{max} 5.59N
- RF_{min} 0.56N
- PT_{max} 1.7mm
- OT_{min} 0.13mm
- MD_{max} 0.4mm
- OP 15.6*0.4mm

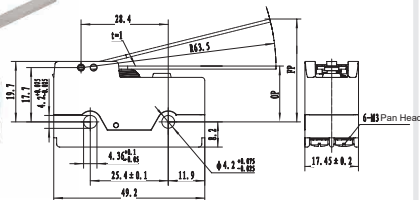
ZD-10GV



Operating Characteristics

- OF_{max} 1.96N
- RF_{min} 0.13N
- PT_{max} 6mm
- OT_{min} 0.4mm
- MD_{max} 1.7mm
- OP 18.3*1mm

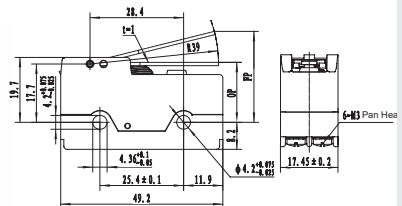
ZD-10GW



Operating Characteristics

- OF_{max} 1.67N
- RF_{min} 0.27N
- OT_{min} 1.6mm
- MD_{max} 4mm
- FP_{max} 34mm
- OP 18.3*1mm

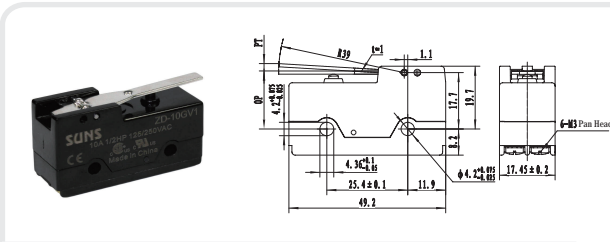
ZD-10GW1



Operating Characteristics

- OF_{max} 2.7N
- RF_{min} 0.65N
- OT_{min} 1.6mm
- MD_{max} 4mm
- FP_{max} 28mm
- OP 18.3*1mm

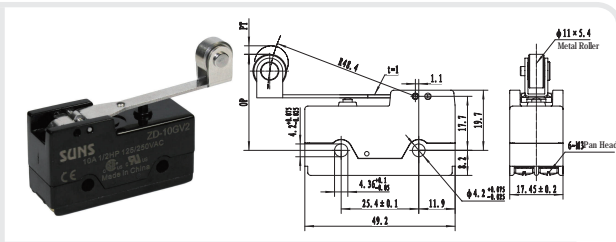
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ZD-10GV1

Operating Characteristics

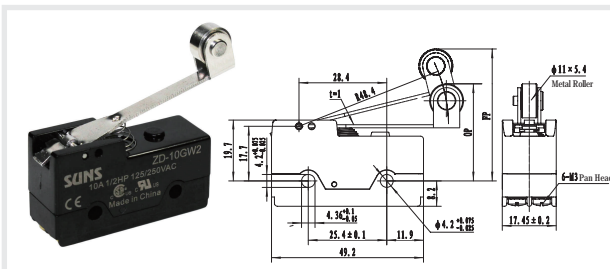
- OF_{max} 3N
- RF_{min} 0.45N
- OT_{min} 0.4mm
- MD_{max} 1.2mm
- PT_{max} 4mm
- OP 18.3*1mm



ZD-10GV2

Operating Characteristics

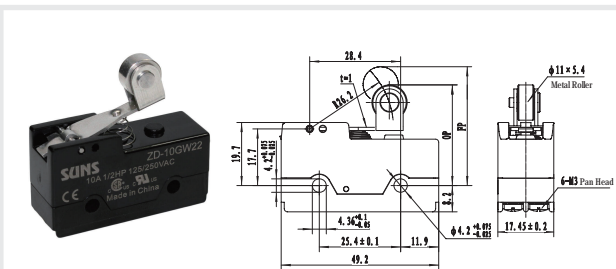
- OF_{max} 2.65N
- RF_{min} 0.33N
- OT_{min} 0.26mm
- MD_{max} 1.1mm
- PT_{max} 4mm
- OP 29.4*0.8mm



ZD-10GW2

Operating Characteristics

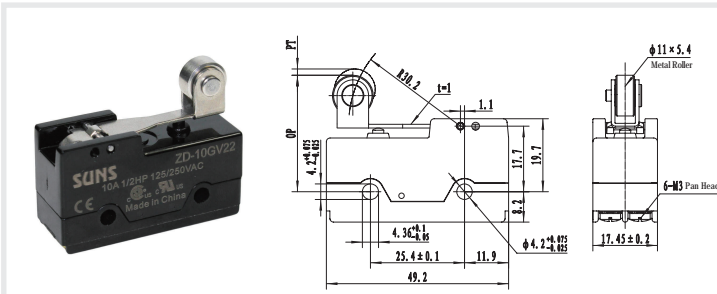
- OF_{max} 2.09N
- RF_{min} 0.41N
- OT_{min} 1.2mm
- FP_{max} 45mm
- MD_{max} 3.3mm
- OP 31.8*0.8mm



ZD-10GW22

Operating Characteristics

- OF_{max} 3.92N
- RF_{min} 0.839N
- OT_{min} 0.9mm
- FP_{max} 39.7mm
- MD_{max} 2.4mm
- OP 30.2*0.8mm



ZD-10GV22

Operating Characteristics

- OF_{max} 4.22N
- RF_{min} 0.41N
- PT_{max} 3mm
- OT_{min} 0.13mm
- MD_{max} 0.6mm
- OP 29.4*0.8mm