

ENCLOSED LIMIT SWITCHES SF9 SERIES

Features

- Compact and rugged aluminum housing
- Large wiring enclosure
- High precision switch
- High repeatability of switching point
- Long service life
- Large breaking power

Specifications

Operating Speed	0.02mm-0.5m/sec
Operating Frequency	Mechanical: 120ops/min Electrical: 20 ops/min
Insulation Resistance	>100MΩ@500V DC
Contact Resistance	<25mΩ (initial value)
Rated Current/Voltage	SF9D/SF9Y 10A 125/250VAC, 2A 480VAC, 1/2HP 125/250VAC SF9S 15A, 1/2HP 125/250VAC
Dielectric Strength	1000VAC for 1 min between current carrying parts 2500VAC for 1 min between non-current carrying parts
Service Life	Mechanically 1.0 x 10 ⁷ (operations) Electrically 5 x 10 ⁵ (operations)
Operating Temperature	-25~+80°C (-13~176°F)
Humidity	< 95%RH
Degree of Protection	IP65/IP60

Selection Guide:

SF9	2	Q	-	11	-	A	-	L	-	R
	Current	Head Sealed		Head Styles		Conduit		Acuator location		Resettable
	2: 20A 3: 25A D: 10A 2NO/2NC Y: 10A 2NP/2NC (Share common) S: 15A (positive open NC contact)	Q: No Seal N: Sealed		11: Plunger 21: Cross roller plunger 22: Roller plunger 62: Roller arm lever 63: One-way action 00: Coil spring		A: 1/2NPT B: PG13.5 C: M20		blank: on the right L: on the left		Blank: R: Resettable

Definitions of Operating Characteristics

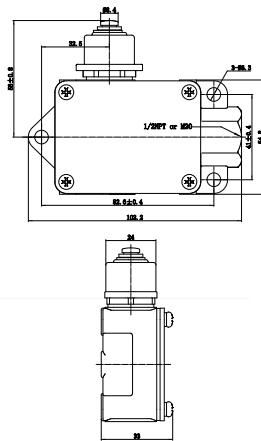
OF Operating Force OT Overtravel PT Pretravel OP Operating Position
RF Releasing Force TT Total Travel MD Movement Diferential

Dimensions Unit: mm

SF9_N11-A-L:



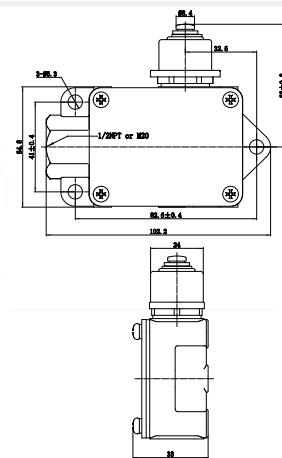
OF Max 11.2N (2.5 lbs)
PT Max 2.39mm (0.094 in)
OT Min 5.56mm (0.219 in)
MD Max 0.26mm (0.01 in)



SF9_N11-A:



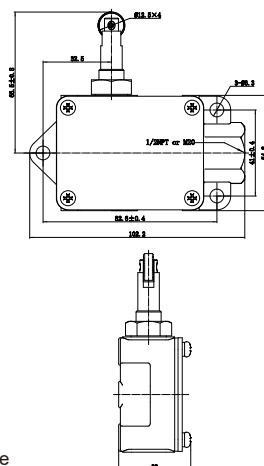
OF Max 11.2N (2.5 lbs)
PT Max 2.39mm (0.094 in)
OT Min 5.56mm (0.219 in)
MD Max 0.26mm (0.01 in)



SF9_Q22-A-L:



OF Max 11.2N (2.5 lbs)
PT Max 2.39mm (0.094 in)
OT Min 3.96mm (0.156 in)
MD Max 0.26mm (0.01 in)

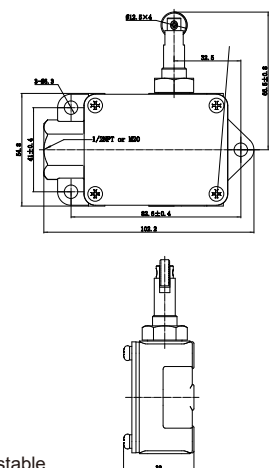


*Roller orientation field adjustable

SF9_Q22-A:



OF Max 11.2N (2.5 lbs)
PT Max 2.39mm (0.094 in)
OT Min 3.96mm (0.156 in)
MD Max 0.26mm (0.01 in)



*Roller orientation field adjustable

