

SEALED MINIATURE BASIC SWITCHES VS SEALED SERIES

Features

- Industry standard design with 16A ratings
- Choose from a variety of levers, terminals
- Epoxy resin assuring stable sealing
- Available in molded lead wire terminals
- Riveted joint for lever arms
- RoHS Compliant
- IP67 rated

Specifications

| | |
|-----------------------|---|
| Operating Speed | 0.01mm to 1m/sec (Plunger models without levers) |
| Operating Frequency | Mechanical: 600 ops/min; Electrical: 60 ops/min |
| Service Life | Mechanical: 10,000,000 (operations) Electrical: 10,000 min. (operations) |
| Rated Current/Voltage | 0.1A, 3A, 5A, 11A, 16A 1/2HP 125/250VAC |
| Operating Temperature | Standard: -40°C~+85°C(-40°F~+185°F) High temperature: up to +150°C(302°F) |
| Dielectric Strength | 1,000 VAC, 50/60 Hz for 1 min between terminals of the same polarity 2,500 VAC, 50/60 Hz for 1 min between current-carrying metal parts and ground, and between each terminal and non-current-carrying metal parts |
| Insulation Resistance | >100MΩ @500VDC |
| Contact Resistance | <25MΩ (Initial value) |
| Degree of Protection | IP40 |

Selection Guide:

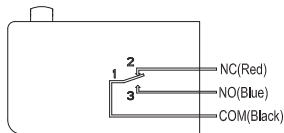
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|----|----------------|----------|--------------------------------------|-------------------|--------------------------|----------------------|----------------------|-----------------------|----------------------------|--|
| VS | 16 | W | | G | - | | | | | |
| | Current A | Sealed | Actuator | Operating Force | Terminal Type | Cable Length Number | Cable Length Unit | Contact Configuration | Options | |
| | 01 0.1A | | None Pin plunger | E 150g Max | A 0.187x0.020 Tab | None No cable | None No cable | None 1NO/1NC | None Silver contact | |
| | 1 1A | | 1 Short hinge lever | G 300g Max | U Sealed Cable | M Meter(s) | F Foot/feet | 1 1NO contact | K Gold contact | |
| | 3 3A | | 2 Hinge lever | | | | | 2 1NC contact | | |
| | 5 5A | | 3 Long hinge lever | | | | | | | |
| | 11 11A | | 4 Simulated roller lever | | | | | | | |
| | 16 16A | | 5 Short hinge roller lever | | | | | | | |
| | | | 6 Hinge roller lever | | | | | | | |
| | | | 7 Long simulated roller lever | | | | | | | |
| | | | 8 Custom | | | | | | | |

Definitions of Operating Characteristics

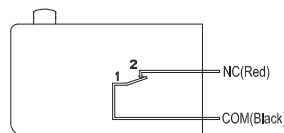
- OF Operating Force
- RF Releasing Force
- OT Overtravel
- TT Total Travel
- FP Free Position
- PT Pretravel
- MD Movement Differential
- OP Operating Position
- PO Travel to Positive Opening

Wiring Diagram:

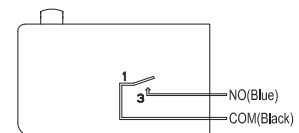
SPDT



SPST-NC

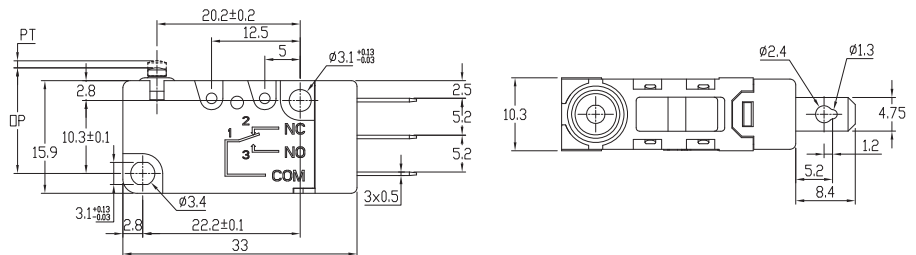


SPST-NO



Picture and Dimensions:

VS5WG-A

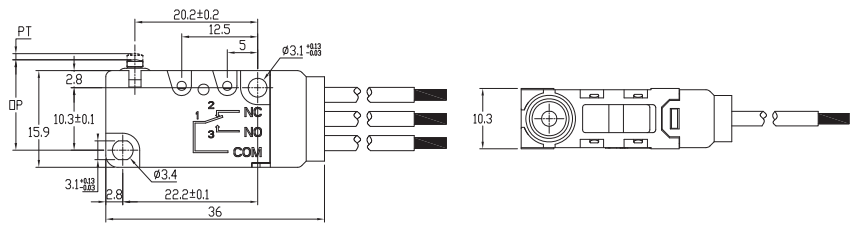


Operating Characteristics

- OF_{max} 1.96N (7oz)
- RF_{min} 0.29N (1oz)
- OT 1.0mm (0.04in.)
- OP 14.7±0.4mm (0.579±0.02in.)
- PT 1.2mm (0.05in.)

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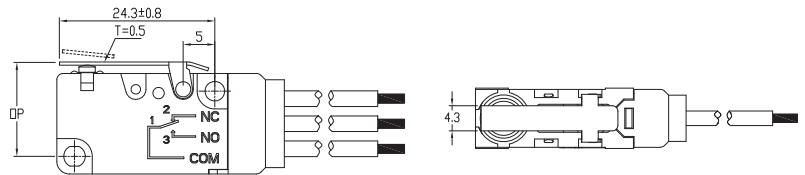
VS5WG-U



Operating Characteristics

- OF_{max} 1.96N (7oz)
- RF_{min} 0.29N (1oz)
- OT 1.0mm (0.04in.)
- OP 14.7±0.4mm (0.579±0.02in.)
- PT 1.2mm (0.05in.)

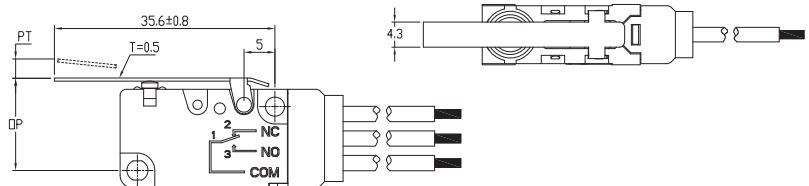
VS5W1G-U



Operating Characteristics

- OF_{max} 1.96N (7oz)
- RF_{min} 0.29N (1oz)
- OT 0.8mm (0.03in.)
- OP 15.2±0.5mm (0.598±0.02in.)
- PT 1.6mm (0.06in.)

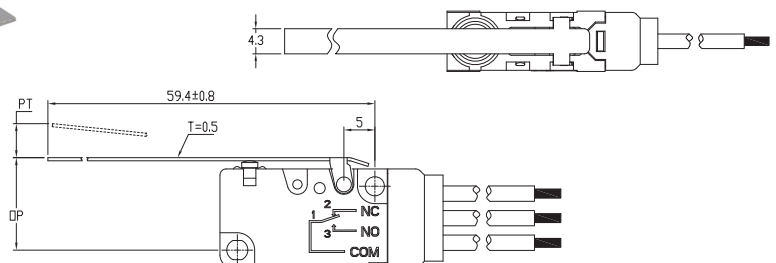
VS5W2G-U



Operating Characteristics

- OF_{max} 1.18N (4oz)
- RF_{min} 0.15N (0.5oz)
- OT 1.6mm (0.06in.)
- OP 15.2±1.2mm (0.579±0.05in.)
- PT 4.0mm (0.16in.)

VS5W3G-U



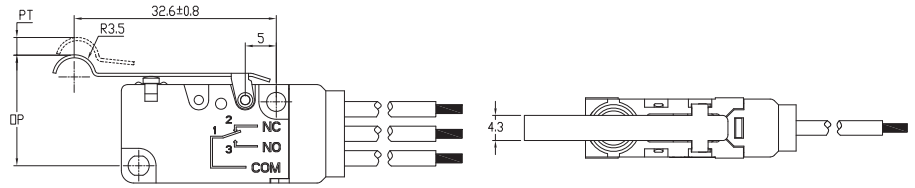
Operating Characteristics

- OF_{max} 0.59N (2oz)
- RF_{min} 0.05N (0.25oz)
- OT 3.2mm (0.12in.)
- OP 15.2±2.6mm (0.579±0.11in.)
- PT 9.0mm (0.35in.)

SEALED MINIATURE BASIC SWITCHES

VS SEALED SERIES

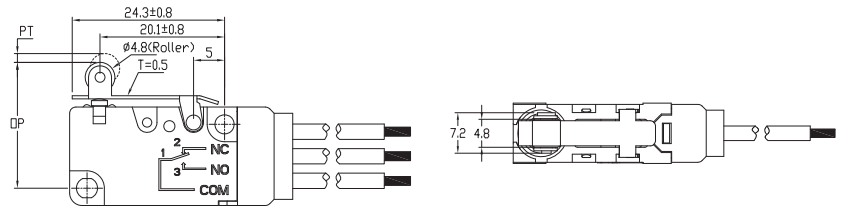
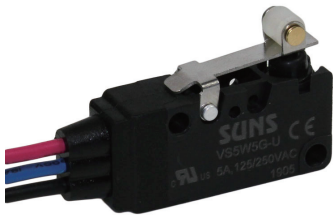
VS5W4G-U



Operating Characteristics

- OF_{max} 1.18N (4oz)
- RF_{min} 0.15N (0.5oz)
- OT 1.6mm (0.06in.)
- OP 18.7±1.2mm (0.736±0.05in.)
- PT 4.0mm (0.16in.)

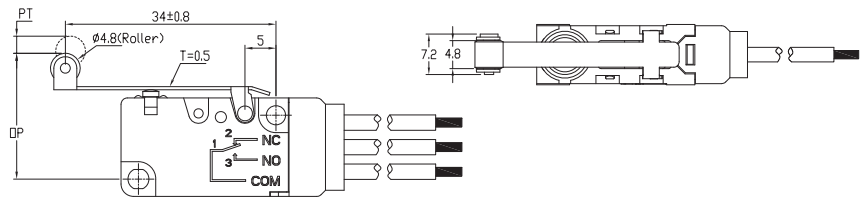
VS5W5G-U



Operating Characteristics

- OF_{max} 2.25N (8oz)
- RF_{min} 0.20N (0.5oz)
- OT 0.8mm (0.03in.)
- OP 20.7±0.6mm (0.815±0.03in.)
- PT 1.6mm (0.06in.)

VS5W6G-U



Operating Characteristics

- OF_{max} 1.18N (4oz)
- RF_{min} 0.15N (0.5oz)
- OT 1.6mm (0.06in.)
- OP 20.7±1.2mm (0.815±0.05in.)
- PT 4.0mm (0.16in.)