

# D3V/V/VX/D2MV/K/D2RV Common Accessories

## Ordering Information

### ■ Actuators (Sold Separately)

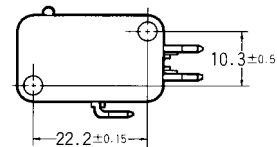
Actuators are supplementary components used when operating the Switch using cams or dogs or when transmitting mechanical movements that are not in alignment with the switch plunger.

The VAL models are suitable for cases where a Switch is operated by a rotary cam or sliding devices with relatively low operation frequency.

The VAM models are designed to operate in reverse movements and have high shock and vibration resistance. Since the OT of these models is rather large, these models can be used for automatic control or door switches of machining tools.

The VAV models can be used for cases where a small OF is required.

- Note:**
1. These Actuators do not include Switches.
  2. Switches with the mounting holes shown below can be used except for special models.

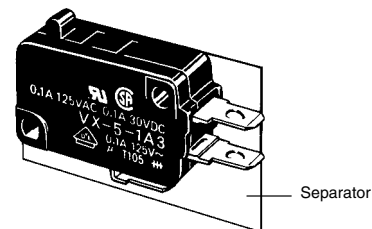


### ■ Separators (Insulation Sheet) (Sold Separately)

Applicable Switches	Thickness	Model
D3V, V, VX, D2MV, K, D2RV, D2VW	0.18	Separator for V0.18
	0.25	Separator for V0.25

**Note:** The Separator is made of epoxy alkyd/varnish tetron cloth and has heat-resistant temperature of 130°C.

Separator for V□

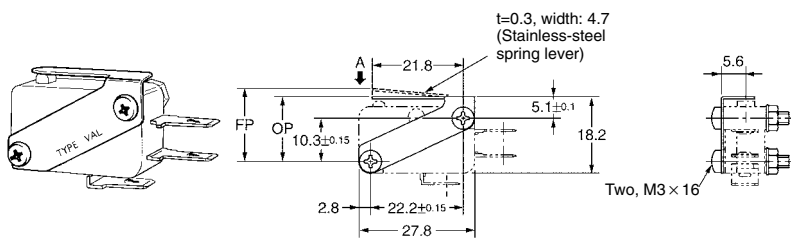


### ■ Dimensions and Operating Characteristics

- Note:**
1. All units are in millimeter unless otherwise indicated.
  2. Unless otherwise specified, a tolerance of ±0.4 mm applies to all dimensions.
  3. For operating characteristics of models not listed above, consult your OMRON sales representative.
  4. The operating characteristics are for operation in the A direction (▼).
  5. Model numbers are for the Actuator only.

#### Leaf Spring

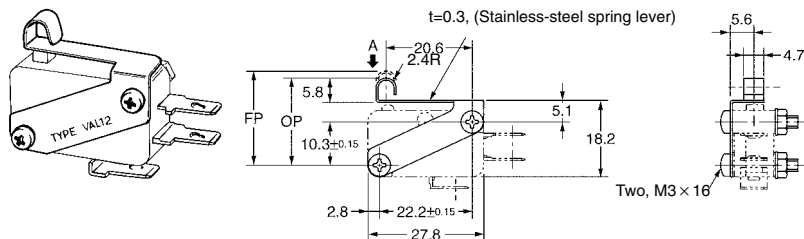
VAL (Designed for models of OF 200 gf and greater)



In the case of V-15-1A5	
OF max.	2.26 N {230 gf}
RF min.	0.49 N {50 gf}
OT min.	0.8 mm
MD max.	0.4 mm
FP max.	17 mm
OP	14.9 ± 0.5 mm

### Simulated Leaf Spring

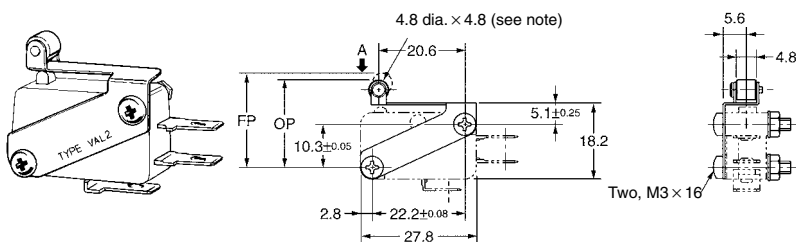
VAL12 (Designed for models of OF 200 gf and greater)



In the case of V-15-1A5	
OF max.	2.26 N {230 gf}
RF min.	0.49 N {50 gf}
OT min.	0.8 mm
MD max.	0.4 mm
FP max.	22.9 mm
OP	20.5±0.8 mm

### Roller Leaf Spring

VAL2, VAL02 (Designed for models of OF 200 gf max.)

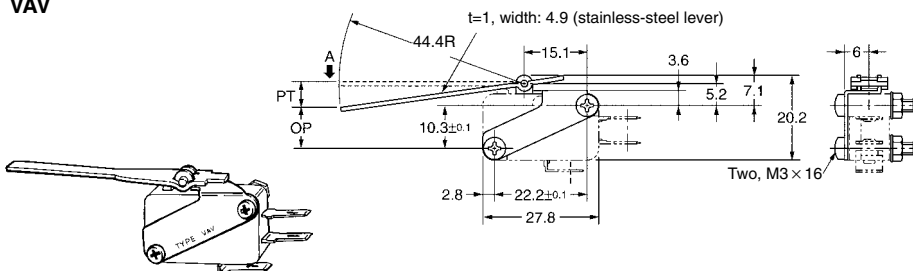


Note: VAL2: Unlubricated polyacetal resin roller  
VAL02: Stainless-steel roller

In the case of V-15-1A5	
OF max.	2.26 N {230 gf}
RF min.	0.49 N {50 gf}
OT min.	0.8 mm
MD max.	0.4 mm
FP max.	22.6 mm
OP	20.5±0.5 mm

### Long Hinge Lever

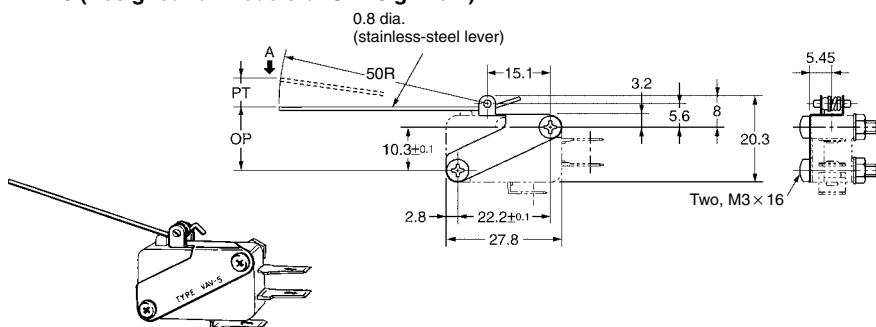
VAV



In the case of V-15-1A5	
OF max.	0.34 N {35 gf}
RF min.	0.04 N {4 gf}
PT max.	7.6 mm
OT min.	3.6 mm
MD max.	4.7 mm
OP	Approx. 10.6 mm

### Hinge Wire Lever

VAV-5 (Designed for models of OF 25 gf max.)

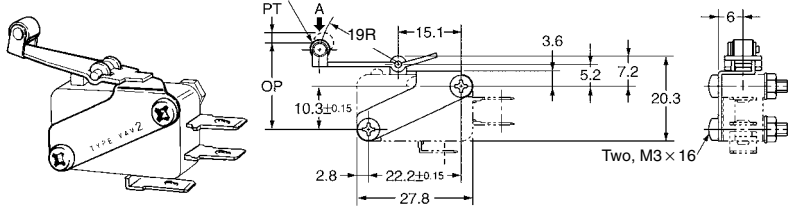


In the case of VX-5-1A2	
OF max.	0.03 N {2.8 gf}
RF min.	0.002 N {0.2 gf}
PT max.	16 mm
OT min.	2 mm
MD max.	5 mm
OP	Approx. 16.7 mm

**Hinge Roller Lever**

VAV2

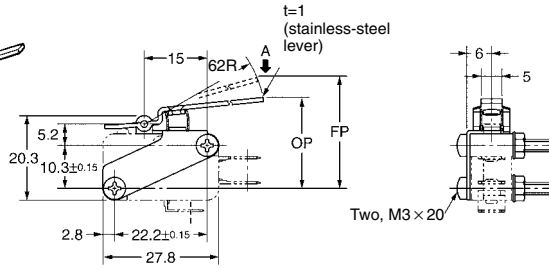
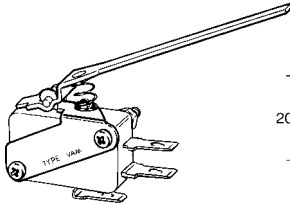
4.8 dia. x 4.8 (Unlubricated polyacetal resin roller)



In the case of V-15-1A5	
OF max.	0.74 N {75 gf}
RF min.	0.09 N {9 gf}
PT max.	4.8 mm
OT min.	1.5 mm
MD max.	1.2 mm
OP	18.6±1.6 mm

**Reverse Long Hinge Lever**

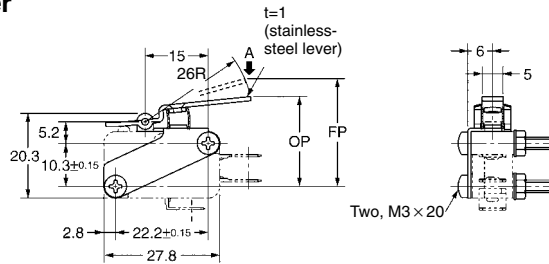
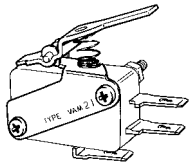
VAM



In the case of V-15-1A5	
OF max.	1.96 N {200 gf}
RF min.	0.29 N {30 gf}
OT min.	7 mm (reference value)
MD max.	5 mm
FP max.	45 mm
OP	20±9 mm

**Reverse Hinge Lever**

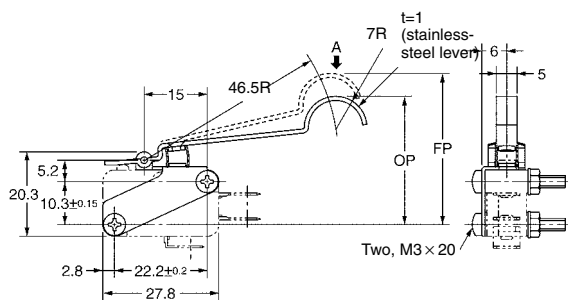
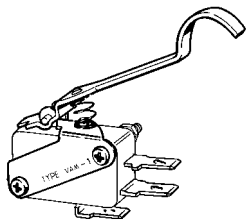
VAM21



In the case of V-15-1A5	
OF max.	3.53 N {360 gf}
RF min.	0.69 N {70 gf}
OT min.	5 mm (reference value)
MD max.	4 mm
FP max.	30 mm
OP	20±4 mm

**Reverse Roller Modified Lever**

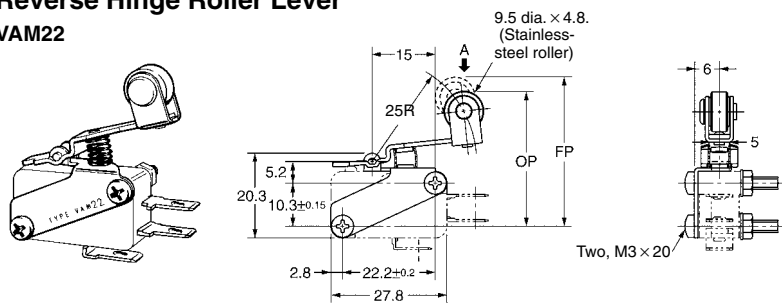
VAM-1



In the case of V-15-1A5	
OF max.	2.94 N {300 gf}
RF min.	0.39 N {40 gf}
OT min.	5 mm (reference value)
MD max.	6 mm
FP max.	47 mm
OP	30±5 mm

**Reverse Hinge Roller Lever**

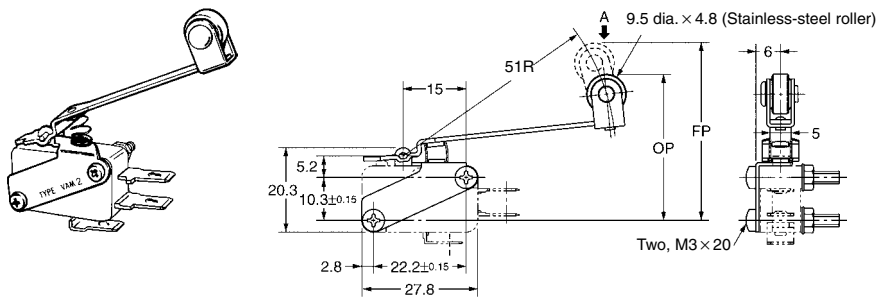
VAM22



In the case of V-15-1A5	
OF max.	3.53 N {360 gf}
RF min.	0.69 N {70 gf}
OT min.	3 mm
MD max.	(reference value) 4 mm
FP max.	38 mm
OP	31.3±3 mm

**Reverse Long Hinge Roller Lever**

VAM2



In the case of V-15-1A5	
OF max.	2.45 N {250 gf}
RF min.	0.39 N {40 gf}
OT min.	7 mm
MD max.	(reference value) 6 mm
FP max.	48 mm
OP	31±6 mm