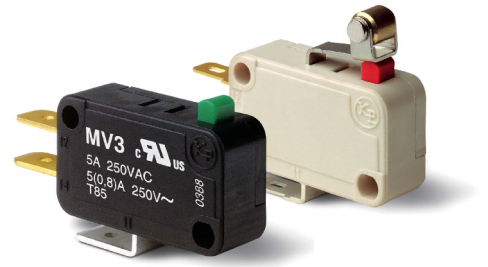



- Changeover circuit with rating up to 15A
- Long life snap action contacts mechanism
- Wiping and self-cleaning contact action
- Options of operating force
- Variety of actuators and contact arrangements
- Quick connect (faston) and solder terminals
- Dimensions in accordance with DIN41635 form A
- UL recognized component (MV3 File E212007)
- IEC 61958 approved component (MV7)

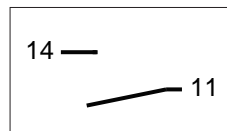


**cULus IEC 61058-1**

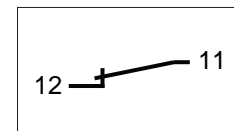
### Rating

MV3	5A 250Vac	
MV5	10A 250Vac	
MV7	15A 250Vac	IEC 61058-1

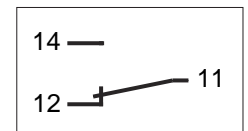
### Circuitry (IEC 60947-5-1)



Form A (SPST-NO)



Form B (SPST-NC)



Form C (SPDT)

### Specifications

Contact Resistance	50 mΩ maximum initial (at 1A 5Vdc)
Ambient Temperature	+85°C maximum (consult us for applications in temperatures up to +120°C)
Degree of Protection	IP40 (IEC 60529)
Operating Speed	0,5 mm/sec minimum to 1 m/sec maximum (at plunger)
Mechanical Life Expectancy	10.000.000 cycles
Electrical Life Expectancy	50.000 cycles
Materials	Enclosure: Thermoplastic Polyamide
	Actuators: Lever: Stainless Steel
	Roller: Thermoplastic
	Terminals: Brass
	Contacts: Silver alloy

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## Dimensions

Dimensions in mm

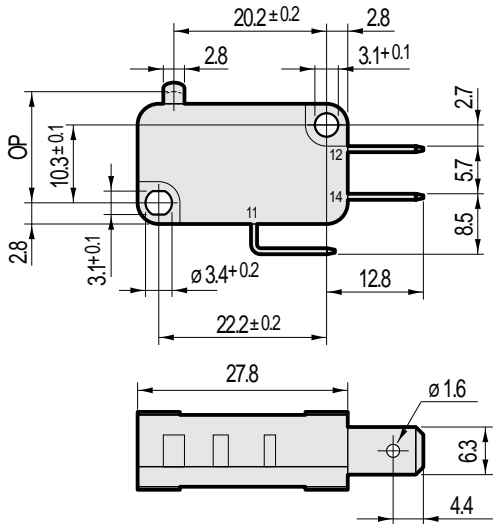
Standard model - Plunger actuator

Contact Numeration:

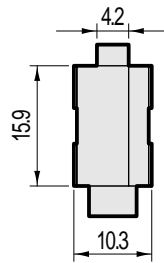
11 = Common (COM)

12 = Normally Closed (NC)

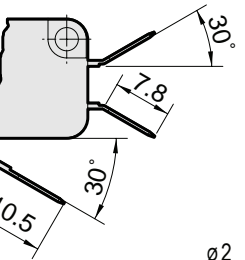
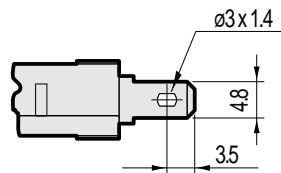
14 = Normally Open (NO)



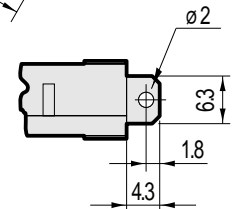
0.250" Quick Connect Terminal  
(Faston 6.3 x 0.8mm)



0.187" Quick Connect Terminal  
(Faston 4.8 x 0.5mm)

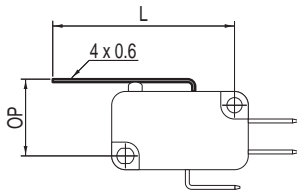


Solder Terminal  
6.3 x 0.8mm

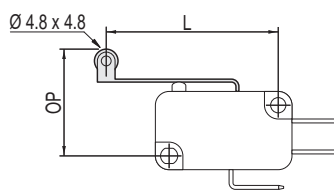


## Integral Actuators

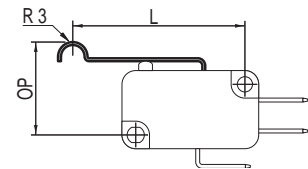
Dimensions in mm



Hinge Lever  
(type G)



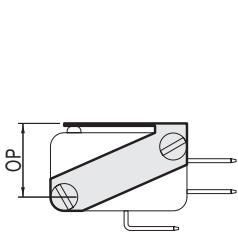
Roller Hinge Lever  
(type J)



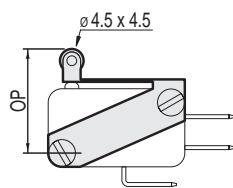
Simulated Roller Hinge Lever  
(type D)

## Auxiliary Actuators

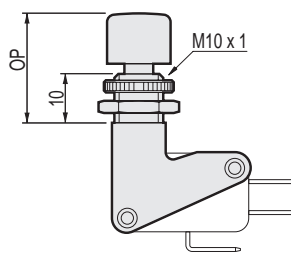
Dimensions in mm



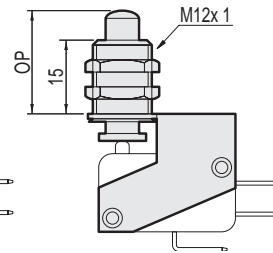
Leaf Spring Lever  
(type E)



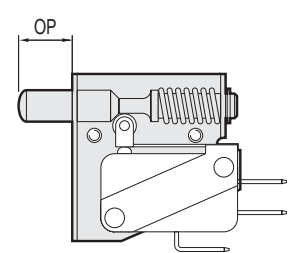
Roller Leaf Spring Lever  
(type R)



Panel Push Button  
(type B)



Panel Plunger  
(type C)























Door Interlock Plunger  
(type Z)

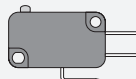





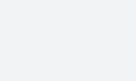





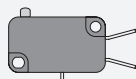





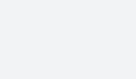





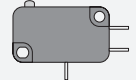





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## Ordering Information

**M V 3 G 3 F A 1**

Rating	
5A 250Vac = MV3	
10A 250Vac = MV5	
15A 250Vca = MV7	IEC 61058-1

Actuator	
Plunger	 = A ①
Short Hinge Lever	 = G1 ①
	 = G2
Hinge Lever	 = G3 ①
	 = G4
Long Hinge Lever	 = G5 ①
	 = G6
Extra-Long Hinge Lever	 = G7
	 = G8
Rpller Short Hinge Lever	 = J1 ①
Roller Hinge Lever	 = J3 ①
	 = J4
Simulated Roller Hinge Lever	 = D1 ①
	 = D2
Leaf Spring Lever	 = E
Roller Leaf Spring Lever	 = R ①
Panel Push Button	 = B
Panel Plunger	 = C
Door Interlock	 = Z

Terminal	
	Faston 0.187"  = AA1
	  = BA1
	  = CA1 ①
	Faston 0.250"  = DA1
	  = EA1
	  = FA1 ①
	Faston 0.187"  = AB1
	  = BB1
	  = CB1
	Faston 0.250"  = DB1
	  = EB1
	  = FB1
	Solder  = GC1
	  = HC1
	  = IC1 ①
Terminals coating: COM: Silver-plated NO+NC: Faston: passivated Solder: tin-plated	

### Nota:

① Available models in stock. The others are available under previous consultation.

## Special Applications

The products presented in this catalog are models of regular commercial use, however we are able to develop "personalized" models for special applications.



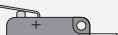

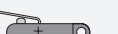



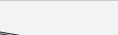
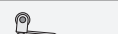
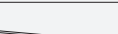

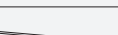
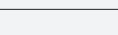

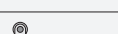
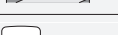
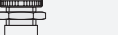
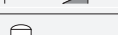
Contact us for:

- Enclosure UL94 V-0 or 120°C
- Special actuator forms

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## Characteristics

**Terminology:** OF ... Operating Force  
 OP ... Operating Position  
 PT ... Pretravel  
 DT ... Differential Travel  
 OT ... Overtravel  
 L ..... Actuator Length

	Actuador	OF (gf)			OP (mm)	PT máx (mm)	DT máx (mm)	OT mín (mm)	L (mm)
		MV3	MV5	MV7					
A		50	100	200	14.7 ± 0.4	1.4	0.4	1.2	-
G1		43	86	172	15.3 ± 0.6	1.6	0.5	1.1	22.0 ± 0.6
G2		26	52	103	15.3 ± 0.9	2.7	0.8	1.6	26.5 ± 0.6
G3		21	42	84	15.3 ± 1.1	3.3	1.0	2.3	35.6 ± 0.6
G4		13	25	50	15.3 ± 1.7	5.6	1.6	3.2	40.1 ± 0.6
G5		11	22	44	15.3 ± 1.9	6.3	1.8	4.3	59.4 ± 0.7
G6		7	13	27	15.3 ± 3.1	10.5	3.0	6.2	63.9 ± 0.7
G7		9	18	37	15.3 ± 2.3	7.6	2.2	5.2	70.0 ± 0.7
G8		6	11	22	15.3 ± 3.8	12.8	3.6	7.4	74.5 ± 0.7
J1		50	100	200	21.3 ± 0.6	1.4	0.4	1.0	20.2 ± 0.7
J3		23	45	90	21.3 ± 1.1	3.1	0.9	2.1	33.8 ± 0.7
J4		14	27	54	21.3 ± 1.7	5.2	1.5	3.0	38.3 ± 0.7
D1		24	48	95	18.5 ± 1.0	3.0	0.8	2.0	32.6 ± 0.6
D2		14	28	57	18.5 ± 1.6	4.9	1.4	2.9	37.1 ± 0.6
E		-	-	220	15.0 ± 0.5	-	0.4	0.8	-
R		-	-	220	20.6 ± 0.7	-	0.4	0.8	-
B		-	-	200	22.5 ± 0.5	-	0.4	0.8	-
C		-	-	200	20.7 ± 0.5	-	0.4	0.8	-
Z		-	-	1100	8.8 ± 0.5	-	-	1.6	-

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