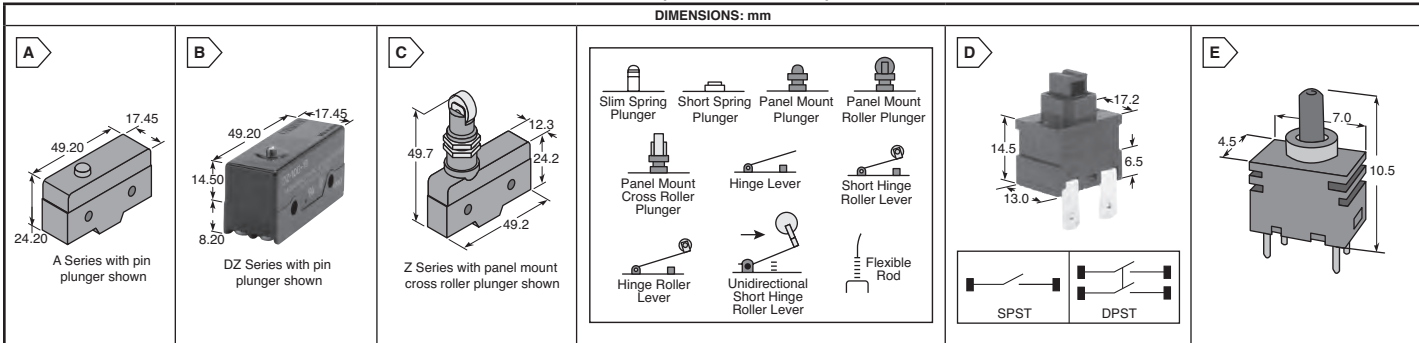


# OMRON Basic, Pushbutton and Power Switches

**OMRON**  
ELECTRONIC COMPONENTS

RoHS Compliant This product is RoHS compliant.



## OMRON A SERIES: HIGH-CAPACITY SNAP ACTION SWITCHES

- Specifications:**
- Contact rating: 20A @ 125/250VAC
  - Contact form: SPDT
  - Contact material: Silver alloy
  - Terminals: Screw
  - Contact gap: 0.5mm
- Features:**
- High-capacity switch capable of handling 20A loads with inrush currents up to 75A
  - Directly switches such loads as motors, halogen lamps, and solenoids
  - Same shape as OMRON Z series (except pin plunger)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Actuator Type	Operating Force (gf)	Mounting Screw	Mounting Hole Size (mm)	Price Each			
							1	25	50	100
653-A20GD-B7-K	A-20GD-B7-K	A	Short spring plunger	400 - 625 gf	#6-32NC	3.56	14.53	13.79	13.11	12.82
653-A20GQ-B7	A-20GQ-B7-K	A	Panel mount plunger	400 - 625 gf	#6-32NC	3.56	18.70	16.83	14.96	12.71
653-A-20GQ22-B7-K	A-20GQ22-B7-K	A	Panel mount roller plunger	630 gf max.	#6-32NC	3.56	24.53	22.31	20.45	18.88
653-A-20GV-B	A-20GV-B	A	Hinge lever	70 gf	M4	4.20	17.59	16.01	14.67	13.54
653-A20GV-B7	A-20GV-B7-K	A	Hinge lever	70 gf	#6-32NC	3.56	9.83	9.37	8.95	8.46
653-A-20GV22-B	A-20GV22-B	A	Short hinge roller lever	160 gf	M4	4.20	13.65	12.42	11.39	10.50
653-A20GV22-B7	A-20GV22-B7-K	A	Short hinge roller lever	160 gf	#6-32NC	3.56	11.66	10.90	10.22	9.63
653-A20GV2-B	A-20GV2-B7-K	A	Hinge roller lever	90 gf	#6-32NC	3.56	11.39	10.66	9.89	9.35

## OMRON DZ SERIES: SPECIAL PURPOSE BASIC SWITCHES

- Specifications:**
- Contact rating: 10A @ 250VAC
  - Contact form: DPDT
  - Contact material: Silver alloy
  - Terminals: Screw
  - Contact gap: 0.5mm
- Features:**
- Basic switch for two independent circuit controls
  - Ideal for switching the circuits operating on two different voltages and for controlling two independent circuits
  - Interchangeable with OMRON Z switches, as both are identical in mounting hole dimensions and pitch



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Actuator Type	Operating Force (max.)	Over Travel (mm min.)	Price Each			
						1	10	20	50
653-DZ-10GW-1B	DZ-10GW-1B	B	Hinge lever	170 gf	1.60	19.82	18.51	18.09	17.33
653-DZ-10GV-1B	DZ-10GV-1B	B	Hinge lever	200 gf	0.40	29.05	26.42	23.93	22.35
653-DZ-10GV22-1B	DZ-10GV22-1B	B	Short hinge roller lever	430 gf	0.13	29.05	26.42	24.22	22.35
653-DZ-10GW2-1B	DZ-10GW2-1B	B	Hinge roller lever	213 gf	1.20	23.91	21.75	19.94	18.40
653-DZ-10GW22-1B6	DZ-10GW22-1B6	B	Hinge roller lever	400 gf	0.90	22.78	22.00	21.53	20.42

## OMRON Z SERIES: GENERAL PURPOSE AND DRIP-PROOF BASIC SWITCHES

- Specifications:**
- Contact rating: 15A @ 125/250VAC
  - Contact material: Silver
  - Contact form: SPDT
  - Terminals: Screw
- Features:**
- High precision in a variety of styles
  - A large switching capacity of 15A with high repeat accuracy
  - Wide margins of operating conditions



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Actuator Type	Operating Force (max.)	Contact Gap (mm)	Mounting Screw	Mounting Hole Size (mm)	Price Each				
								1	25	50	100	
<b>General Purpose</b>												
653-Z-15GS-B	Z-15GS-B	C	Slim spring plunger	250 - 350 gf	0.50	M4	4.20	11.74	10.56	9.38	8.44	
653-Z-15GD-B	Z-15GD-B	C	Short spring plunger	250 - 350 gf	0.50	M4	4.20	8.35	7.75	7.36	7.00	
653-Z-15GD-B7-K	Z-15GD-B7-K	C	Short spring plunger	250 - 350 gf	0.50	#6-32NC	3.56	7.90	7.25	6.92	6.58	
653-Z-15GQ-B	Z-15GQ-B	C	Panel mount plunger	250 - 350 gf	0.50	M4	4.20	15.24	13.71	12.18	10.96	
653-Z-15GQ-B7-K	Z-15GQ-B7-K	C	Panel mount plunger	250 - 350 gf	0.50	#6-32NC	3.56	11.47	10.53	10.00	9.55	
653-Z-15GQ22-B	Z-15GQ22-B	C	Panel mount roller plunger	250 - 350 gf	0.50	M4	4.20	17.99	16.18	14.38	12.94	
653-Z-15GQ22-B7-K	Z-15GQ22-B7-K	C	Panel mount roller plunger	250 - 350 gf	0.50	#6-32NC	3.56	17.99	16.18	14.38	12.94	
653-Z-15GQ21-B	Z-15GQ21-B	C	Panel mount cross roller plunger	250 - 350 gf	0.50	M4	4.20	13.37	12.66	11.79	11.23	
653-Z-15GQ21-B7-K	Z-15GQ21-B7-K	C	Panel mount cross roller plunger	250 - 350 gf	0.50	#6-32NC	3.56	17.99	16.18	14.38	12.94	
653-Z-15GW-B	Z-15GW-B	C	Hinge lever	70 gf	0.50	M4	4.20	12.18	10.96	9.74	8.77	
653-Z-15GW-B7-K	Z-15GW-B7-K	C	Hinge lever	70 gf	0.50	#6-32NC	3.56	12.18	10.96	9.74	8.77	
653-Z-15GW22-B	Z-15GW22-B	C	Short hinge roller lever	160 gf	0.50	M4	4.20	8.40	7.70	7.36	7.01	
653-Z-15GW22-B7-K	Z-15GW22-B7-K	C	Short hinge roller lever	160 gf	0.50	#6-32NC	3.56	8.40	7.70	7.36	7.01	
653-Z-15GW2-B	Z-15GW2-B	C	Hinge roller lever	100 gf	0.50	M4	4.20	12.17	10.95	9.73	8.76	
653-Z-15GW2-B7-K	Z-15GW2-B7-K	C	Hinge roller lever	100 gf	0.50	#6-32NC	3.56	12.18	10.96	9.74	8.77	
653-Z-15GW2277-B7-K	Z-15GW2277-B7-K	C	Unidirectional short hinge roller lever	170 gf	0.50	#6-32NC	3.56	12.26	11.72	11.12	10.60	
<b>Drip Proof</b>												
653-Z-15GQ55B	Z-15GQ55-B	C	Panel mount plunger	540 gf	0.50	M4	4.20	17.39	15.82	14.50	13.38	
653-Z-15GW2255-B	Z-15GW2255-B	C	Short hinge roller lever	200 gf	0.50	M4	4.20	15.21	13.84	12.69	11.71	
653-Z-15GNJ55-B7-K	Z-15GNJ55-B7-K	C	Flexible rod coil spring	50 gf	0.50	#6-32NC	3.56	20.59	18.73	17.17	15.85	

## OMRON C4V SERIES: MINIATURE POWER SWITCHES

- Specifications:**
- Switching capacity: 8A, 125/250VAC
  - Operating force: 7N max.
- Features:**
- Unique snap action mechanism allows large-capacity switching
  - Sharp feeling with firm switching action
  - Contact gap of 3mm minimum



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Operating Mechanism	Price Each			
					1	10	25	50
653-C4V-811A-D	C4V-811A-D	D	SPST	Momentary	2.75	2.62	2.50	2.39
653-C4V-811M-D	C4V-811M-D	D	SPST	Alternate	2.75	2.62	2.50	2.39
653-C4V-821M	C4V-821M	D	DPST	Momentary	3.45	3.28	3.13	2.99
653-C4V-821A	C4V-821A	D	DPST	Alternate	3.45	3.28	3.13	2.99

## OMRON A9PS SERIES: ULTRA-SUBMINIATURE PUSHBUTTON SWITCHES

- Specifications:**
- Switching capacity: 100mA @ 28VAC/DC
  - Contact resistance: 80mΩ max.
  - Operating force: 4.9N max.
- Features:**
- Gold-plated clip contact ensures high reliability
  - The sealed bottom prevents flux penetration
  - Washable, equivalent to IP64 (IEC-60529)
- Applications:**
- Security control boards
  - Electric power instrumentation
  - Program controllers



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Terminal Shape	Operating Mechanism	Price Each			
						1	25	50	100
653-A9PS16-0011	A9PS16-0011	E	SPST	DIP	Momentary	9.66	9.42	8.94	8.21
653-A9PS16-0012	A9PS16-0012	E	SPST	Right-angled	Momentary	10.23	9.97	9.46	8.70
653-A9PS16-0013	A9PS16-0013	E	SPST	Vertical mount	Momentary	10.23	9.97	9.46	8.70
653-A9PS26-0011	A9PS26-0011	E	DPST	DIP	Momentary	10.23	9.97	9.46	8.70
653-A9PS26-0012	A9PS26-0012	E	DPST	Right-angled	Momentary	11.29	11.01	10.44	9.60
653-A9PS26-0013	A9PS26-0013	E	DPST	Vertical mount	Momentary	11.29	11.01	10.44	9.60