

# Basic Switches

## OMRON A SERIES: HIGH CAPACITY SNAP ACTION SWITCHES

### Specifications:

- Contact Rating: 20A @ 125/250 VAC
- Terminal Type: Screw
- Screw terminal: -B suffix—M4; -B7-K suffix—#6-32NC
- Mounting hole size: -B suffix—4.2mm; -B7-K suffix—3.56mm
- Mount thread size (panel mount versions): -B suffix—M12 x 1mm; -B7-K—15/32-32NC

### Features:

- High-capacity switch capable of handling 20A loads with inrush currents up to 75A
- Direct switches such loads as motors, halogen lamps, and solenoids
- Same shape as OMRON Z series (except pin plunger)



For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Operating Force (gf)	Price Each			
					1	25	50	100
653-A20GV2-B7	A-20GV2-B7-K	A	Hinge Roller Lever	90	8.67	8.25	7.32	6.91
653-A20GV-B7	A-20GV-B7-K	A	Hinge Lever	70	8.78	8.13	7.71	7.56
653-A20GV22-B7	A-20GV22-B7-K	A	Short Hinge Roller Lever	160	8.75	8.12	7.69	7.37
653-A20GQ-B7	A-20GQ-B7-K	A	Panel Mount Plunger	400-625	11.94	11.34	10.60	10.08
653-A20GQ22-B	A-20GQ22-B	A	Panel Mount Roller Plunger	630	14.55	13.66	12.84	12.13

## OMRON Z SERIES: GENERAL PURPOSE BASIC SWITCHES

### Specifications:

- Contact Rating: 15A @ 125/250 VAC
- Terminal Type: Screw
- Screw terminal: -B suffix—M4; -B7-K suffix—#6-32NC
- Mounting hole size: -B suffix—4.2mm; -B7-K suffix—3.56mm
- Mount thread size (panel mount versions): -B suffix—M12 x 1mm; -B7-K—15/32-32NC

### Features:

- High precision in a variety of styles
- Wide margins of operating conditions
- Also available in a drip-proof version



653-Z15GB7-K	Z-15G-B7-K	B	Pin Plunger	250-350	6.66	6.10	5.80	5.46
653-Z15GD-B	Z-15GD-B	B	Short Spring Plunger	250-350	8.24	7.69	7.34	6.62
653-Z15GD-B7-K	Z-15GD-B7-K	B	Short Spring Plunger	250-350	7.61	6.97	6.64	6.33
653-Z-15GNJ55-B7-K	Z-15GNJ55-B7-K	B	Flexible Rod (Coil Spring)	50	15.20	13.97	13.32	12.67
653-Z15GW22-B	Z-15GW22-B	B	Short Hinge Roller Lever	160	7.29	7.10	6.92	6.86
653-Z-15GW22-B7-K	Z-15GW22-B7-K	B	Short Hinge Roller Lever	160	7.77	7.13	6.80	6.47
653-Z15GW2-B	Z-15GW2-B	B	Hinge Roller Lever	100	7.57	6.95	6.62	6.32
653-Z-15GW2-B7-K	Z-15GW2-B7-K	B	Hinge Roller Lever	100	8.14	7.89	7.26	7.15
653-Z15GW-B	Z-15GW-B	B	Hinge Lever	70	8.14	7.89	7.26	7.15
653-Z-15GW-B7-K	Z-15GW-B7-K	B	Hinge Lever	70	7.58	6.94	6.62	6.31
653-Z-15GW2255-B	Z-15GW2255-B	B	Short Hinge Roller Lever	200	11.69	11.00	10.45	9.76
653-Z-15GW2277-B7-K	Z-15GW2277-B7-K	B	Unidirectional Short Hinge Roller Lever	170	10.44	9.83	9.34	8.73
653-Z-15GW55-B	Z-15GW55-B	B	Hinge Lever	100	11.66	11.48	10.91	10.19
653-Z-15HW24-B	Z-15HW24-B	B	Low-Force Hinge Plunger	6	10.38	9.34	8.30	8.05
653-Z15GQ-B	Z-15GQ-B	B	Panel Mount Plunger	250-350	9.48	8.69	8.27	7.89
653-Z15GQ-B7K	Z-15GQ-B7-K	B	Panel Mount Plunger	250-350	10.81	10.56	9.80	9.24
653-Z15GQ21-B	Z-15GQ21-B	B	Panel Mount Cross Roller Plunger	250-350	11.84	11.13	10.59	10.12
653-Z15GQ21-B7-K	Z-15GQ21-B7-K	B	Panel Mount Cross Roller Plunger	250-350	11.84	11.49	11.22	10.91
653-Z15GQ22-B	Z-15GQ22-B	B	Panel Mount Roller Plunger	250-350	10.95	10.07	9.36	8.71
653-Z-15GQ22-B7-K	Z-15GQ22-B7-K	B	Panel Mount Roller Plunger	250-350	11.84	11.24	10.69	10.21
653-Z15GQ55B	Z-15GQ55-B	B	Panel Mount Plunger	541	14.55	12.57	11.94	11.16
653-Z-15GS-B	Z-15GS-B	B	Slim Spring Plunger	250-350	9.66	8.69	7.73	7.37

## OMRON TZ SERIES: HIGH TEMPERATURE BASIC SWITCHES

### Specifications:

- Electrical rating: 1A @ 250VAC
- Contact gap: 0.5mm
- Operating temperature range: -65°C to 400°C (with no icing)
- Inrush current: NC contact - 9A max.; NO contact 4.5A max.
- Cross bar contact material: Platinum alloy

### Features:

- Incorporates a ceramic insulator, cobalt-alloy spring, and special-alloy contact to ensure high contact reliability at high ambient temperatures

### Applications:

- Heat treating
- Annealing
- Metal processing ovens and conveyors
- Vacuum chambers
- Injection molding

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Contact Rating	Operating Force (gf)	Price Each			
						1	5	10	25
653-TZ-1GV	TZ-1GV	C	Hinge Lever	1A @ 125/250 VAC	100	360.82	342.78	320.22	304.44
653-TZ-1GV2	TZ-1GV2	C	Hinge Roller Lever	1A @ 125/250 VAC	130	360.82	342.78	320.22	304.44



## ALCOSWITCH ULTRAMINIATURE MICROSWITCHES

### Features:

- Straight or Right Angle PCB Mount
- 1,000,000 Cycle Life
- Actuation Type: Lever or Pin Plunger
- Single Pole, Double Throw

### Applications:

- Security Systems
- Medical Equipment
- Small Appliances
- Office Equipment
- Communications Equipment
- Audio Equipment
- Testing Equipment

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alcoswitch Part Number	Fig.	Actuator Type	Contact Rating	Terminal	Operating Force (gf)	Price Each			
							1	25	50	100
506-UP01DTANLA04	UP01DTANLA04	D	Straight Lever	.01A @ 125/250VAC	PCB	50	.93	.85	.78	.70
506-UP01DTAOLA04	UP01DTAOLA04	D	Pin Plunger	.01A @ 125/250VAC	PCB	150	.70	.64	.57	.52
506-UP01DTAOLB04	UP01DTAOLB04	D	Pin Plunger	.01A @ 125/250VAC	PCB	80	.70	.64	.57	.52
506-UP01DTBNLA04	UP01DTBNLA04	D	Straight Lever	.01A @ 125/250VAC	PCB left	30	1.40	1.20	1.05	.95
506-UP01DTBOLB04	UP01DTBOLB04	D	Pin Plunger	.01A @ 125/250VAC	PCB left	80	1.02	.89	.81	.75
506-UP01DTCNLA04	UP01DTCNLA04	D	Pin Plunger	.01A @ 125/250VAC	PCB	50	1.40	1.20	1.05	.95
506-UP01DTCOLB04	UP01DTCOLB04	D	Pin Plunger	.01A @ 125/250VAC	PCB right	80	1.02	.89	.81	.75
506-UP3DTANLB04	UP3DTANLB04	D	Straight Lever	3A @ 125/250VAC	PCB	30	1.22	1.11	1.03	.98
506-UP3DTAOLA04	UP3DTAOLA04	D	Pin Plunger	3A @ 125/250VAC	PCB	150	.96	.88	.80	.73
506-UP3DTAOLB04	UP3DTAOLB04	D	Pin Plunger	3A @ 125/250VAC	PCB	80	.96	.88	.80	.73
506-UP3DTBNLB04	UP3DTBNLB04	D	Straight Lever	3A @ 125/250VAC	PCB left	30	1.44	1.32	1.20	1.13
506-UP3DTBOLB04	UP3DTBOLB04	D	Pin Plunger	3A @ 125/250VAC	PCB left	80	1.50	1.30	1.14	1.03
506-UP3DTCNLA04	UP3DTCNLA04	D	Straight Lever	3A @ 125/250VAC	PCB right	30	1.44	1.32	1.20	1.13
506-UP3DTCOLA04	UP3DTCOLA04	D	Pin Plunger	3A @ 125/250VAC	PCB right	80	1.50	1.30	1.14	1.03

