

# OMRON Basic Snap Action Switches



## OMRON D3M SERIES: SUBMINIATURE BASIC SWITCHES

### Specifications:

- Same internal mechanism as the "SS" Series
- IP00 Enclosure rating
- Rated voltage: 30VDC
- Contact rating: 100mA
- Mechanical service life: 500,000 operations min.
- Electrical service life: 200,000 operations min.
- Mounting pitch: 9.5mm (0.37")
- Insulation resistance: 100 MΩ min. at 500 VDC

- Degree of protection against electric shock: Class I
- Operating temperature: -25°C to +85°C with no icing

### Features:

- Saves wiring effort, production steps, and time
- Easy wiring ensured through the Quick-Connect Terminals
- External actuator mounts in either of two directions
- Horizontal layout of terminals saves mounting space



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For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Actuator Type	Contact Form	Operating Force (g)	Price Each			
						1	25	50	100
653-D3M-01K1-3	D3M-01K1-3	A	Hinge lever	SPST-NO	51				
653-D3M-01K2	D3M-01K2	B	Hinge roller lever	SPST-NC	51				
653-D3M-01K2-3	D3M-01K2-3	B	Hinge roller lever	SPST-NO	51				
653-D3M-01L2-3	D3M-01L2-3	B	Hinge roller lever	SPST-NO	102				
653-D3M-01L3	D3M-01L3	C	Simulated roller lever	SPST-NC	102				
653-D3M-01K3-3	D3M-01K3-3	C	Simulated roller lever	SPST-NO	51				
653-D3M-01L3-3	D3M-01L3-3	C	Simulated roller lever	SPST-NO	102				

## OMRON D3V SERIES: COST-EFFECTIVE SNAP ACTION SWITCHES

### Specifications:

- Self-cleaning contacts
- .187" Quick-Connect terminals
- Contact gap: 0.5mm
- Contact configuration: SPDT momentary action
- Mounting hole: 2.9mm



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Actuator Type	Contact Rating	Operating Force (g)	Price Each				
						1	25	50	100	
<b>Internal Hinge Position</b>										
653-D3V-11G1C25	D3V-11G1C25K	D	Pin plunger	11A	200					
653-D3V-11G21C25	D3V-11G21C25K	E	Hinge lever	11A	125					
653-D3V-11G41C25	D3V-11G41C25K	F	Simulated roller lever	11A	125					
653-D3V-11G61C25	D3V-11G61C25K	G	Hinge roller lever	11A	125					
653-D3V-16G1C25	D3V-16G1C25K	D	Pin plunger	16A	200					
653-D3V-16G21C25	D3V-16G21C25K	E	Hinge lever	16A	125					
653-D3V-16G61C25	D3V-16G61C25K	G	Hinge roller lever	16A	125					
<b>External Hinge Position</b>										
653-D3V-11G4M1C25	D3V-11G4M1C25K	F	Simulated roller lever	11A	125					
653-D3V-11G6M1C25	D3V-11G6M1C25K	G	Hinge roller lever	11A	125					
653-D3V-16G2M1C25	D3V-16G2M1C25K	E	Hinge lever	16A	125					
653-D3V-21G-1C4A-K	D3V-21G-1C4A-K	G	Pin plunger	21A	125					

## OMRON J1G SERIES: ULTRA SUBMINIATURE BASIC SWITCHES

### Specifications:

- Contact form: SPDT
- Contact material: Gold-plated silver
- Mounting: Use two M2.3 screws with plain washers or spring washers

### Features:

- Allows large-capacity switching in small package
- Particularly suitable as control switches where there are restrictions on space and weight



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MOUSER STOCK NO.	Omron Part No.	Fig.	Actuator Type	Contact Rating	Operating Force (g)	1	25	50	100
653-J-7	J-7	H	Pin plunger	7A	140				
653-J-7-V	J-7-V	I	Short hinge lever	7A	50				
653-J-7-V4	J-7-V4	J	Long hinge lever	7A	20				

## OMRON D2F SERIES: PC MOUNT SUBMINIATURE BASIC SWITCHES

### Specifications:

- Insulation resistance: 100 MΩ min. at 500 VDC
- Operating temperature: -25°C to +85°C with no icing
- Electrical service life: 30,000 operations min. (OT: full stroke)
- Mechanical service life: 1,000,000 operations min.
- Operating speed: 1 to 500 mm/second
- Mounting pitch: 6.5mm (0.26")
- Contact form: SPDT



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MOUSER STOCK NO.	Omron Part No.	Fig.	Actuator Type	Terminal Type	Contact Rating @		Operating Force (g)	Price Each			
					125VAC	30VDC		1	25	50	100
<b>General Purpose</b> • Contact resistance: 30 mΩ max. initial											
653-D2F	D2F	K	Pin plunger	PCB	3A	2A	150				
653-D2FF	D2F-F	K	Pin plunger	PCB	1A	500mA	75				
653-D2F-FL	D2F-FL	L	Hinge lever	PCB	1A	500mA	25				
653-D2F-L	D2F-L	L	Hinge lever	PCB	3A	2A	80				
653-D2F-L-A	D2F-L-A	L	Hinge lever	Right Angle	3A	2A	80				
653-D2F-L-A1	D2F-L-A1	L	Hinge lever	Left Angle	3A	2A	80				
653-D2F-FL-A1	D2F-FL-A1	L	Hinge lever	Left Angle	1A	500 mA	25				
653-D2F-L-D	D2F-L-D	L	Hinge lever	Soldered	3A	2A	80				
653-D2FFLA	D2F-FL-A	L	Hinge lever	Right angle	1A	500mA	25				
653-D2F-L2	D2F-L2	M	Roller lever	PCB	3A	2A	80				
653-D2F-L2-T	D2F-L2-T	M	Roller lever	Self Supporting	3A	2A	80				
<b>Microvoltage/Microcurrent Load Type</b> • Contact resistance: 100 mΩ max. initial											
653-D2F-01	D2F-01	K	Pin plunger	PCB	-	100mA	150				
653-D2F-01F	D2F-01F	K	Pin plunger	PCB	-	100mA	75				
653-D2F-01F-D	D2F-01F-D	K	Pin plunger	Soldered	-	100 mA	75				
653-D2F-01L	D2F-01L	L	Hinge lever	PCB	-	100mA	80				
653-D2F-01L3	D2F-01L3	N	Sim. roller lever	PCB	3A	2A	80				
653-D2F-01FL	D2F-01FL	L	Hinge lever	PCB	-	100mA	25				
653-D2F-01FLD	D2F-01FL-D	L	Hinge lever	Soldered	-	100 mA	25				

## OMRON D2T SERIES: COMPACT DPST-NO SNAP ACTION SWITCHES

### Specifications:

- Electrical ratings: 5A @ 125/250VAC between terminals 1 & 2; 0.1 A at 125VAC between terminals 3 & 4
- The circuit switching power load has a snap-action mechanism
- The circuit switching low-level load has a slow-action mechanism
- Terminals: Solder/#110 QC common terminal
- Mechanical operating frequency: 120 operations per min
- Electrical operating frequency: 60 operations per min

- Insulation resistance: 100 MΩ min. at 500 VDC
- Operating temperature: -25°C to +80°C with no icing

### Features:

- Incorporates circuits for power and low-level loads
- Contact gap of 0.7mm min.
- Panel or screw mounted with ease



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MOUSER STOCK NO.	Omron Part No.	Fig.	Actuator Type	Operating Force (g)	Terminals	Price Each			
						1	25	50	100
653-D2T-T1	D2T-T1	O	Pin plunger	330	Angled				
653-D2T-LT1	D2T-LT1	P	Hinge lever	150	Straight				

