

OMRON Basic Switches



This product is RoHS compliant.



OMRON D2MQ SERIES: ULTRA SUBMINIATURE BASIC SWITCHES

Specifications:

- Contact form: SPDT
- Contact material: 0.5A silver-plated; 50mA gold-plated
- Contact gap: 0.15mm
- Use M1.4 mounting screws to mount the switch

Features:

- Excellent electrical characteristics with a snap action mechanism despite superminiaturized design
- Ideal for applications where size is extremely limited and high reliability is demanded

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Actuator Type	Operating Force (max.)	Terminals	Price Each			
						1	25	50	100
Contact Rating 50mA @ 30VDC									
653-D2MQ-1-105	D2MQ-1-105	A	Pin plunger	120 gf	PCB straight	3.07	2.80	2.57	2.37
Contact Rating 0.5A @ 30VDC									
653-D2MQ-1	D2MQ-1	A	Pin plunger	120 gf	PCB straight	3.17	2.85	2.53	2.28
653-D2MQ-1-TL	D2MQ-1-TL	A	Pin plunger	120 gf	Left-angled PCB	3.07	2.80	2.57	2.36
653-D2MQ-1-L	D2MQ-1-L	A	Leaf lever	60 gf	PCB straight	3.89	3.68	3.52	3.16
653-D2MQ-1-L-TR	D2MQ-1-L-TR	A	Leaf lever	60 gf	Right-angled PCB	3.35	3.01	2.68	2.27
653-D2MQ-1-L-TL	D2MQ-1-L-TL	A	Leaf lever	60 gf	Left-angled PCB	3.84	3.45	3.06	2.76
653-D2MQ-4L-1	D2MQ-4L-1	A	Hinge leaf lever	40 gf	PCB straight	2.44	2.22	2.04	1.88
653-D2MQ-4L-1-R	D2MQ-4L-1-R	A	Hinge leaf lever	40 gf	Right-angled PCB	3.59	3.28	3.01	2.77
653-D2MQ-4L-1-L	D2MQ-4L-1-L	A	Hinge leaf lever	40 gf	Left-angled PCB	3.33	3.04	2.79	2.57

OMRON D2T SERIES: DPST-NO COMPACT SNAP ACTION SWITCHES

Specifications:

- Contact material: Silver
- Electrical ratings: 5A @ 125/250VAC between terminals 1 & 2; 0.1A @ 125VAC between terminals 3 & 4
- Insulation resistance: 100MΩ min. @ 500VDC

Features:

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



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Actuator Type	Operating Force (max.)	Terminals	Price Each			
						1	25	50	100
653-D2T-T1S	D2T-T1S	B	Pin plunger	330 gf	Straight solder	5.47	4.99	4.57	4.21
653-D2T-T1	D2T-T1	B	Pin plunger	330 gf	Right-angled solder	5.47	4.99	4.57	4.21
653-D2T-LT1S	D2T-LT1S	B	Hinge lever	150 gf	Straight solder	4.74	4.32	3.96	3.66
653-D2T-LT1	D2T-LT1	B	Hinge lever	150 gf	Right-angled solder	5.65	5.14	4.72	4.36

OMRON SS-P SERIES: SUBMINIATURE BASIC SWITCHES

Specifications:

- Contact material: SS-3P - silver alloy rivet; SS-01P - gold alloy crossbar
- Contact gap: 0.5mm

Features:

- Insert molded case for enhanced resistance to flux
- Simple construction with single-leaf spring
- SS series compatible mounting



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Actuator Type	Operating Force (max.)	Terminals	Price Each			
						1	25	50	100
Contact Rating 0.1A @ 30VDC									
653-SS-01GP	SS-01GP	C	Pin plunger	153 gf	Solder	.84	.755	.669	.637
653-SS-01GLP	SS-01GLP	C	Hinge lever	51 gf	Solder	.98	.91	.86	.82
653-SS-01GLPT	SS-01GLPT	D	Hinge lever	51 gf	QC #110	1.43	1.28	1.13	1.02
653-SS-01GL13P	SS-01GL13P	C	Simulated roller lever	51 gf	Solder	.92	.79	.73	.70
653-SS-01GL13PT	SS-01GL13PT	D	Simulated roller lever	51 gf	QC #110	1.00	.937	.855	.772
Contact Rating 3A @ 125VAC									
653-SS-3GPT	SS-3GPT	D	Pin plunger	153 gf	QC #110	.90	.80	.71	.64
653-SS-3GLP	SS-3GLP	C	Hinge lever	51 gf	Solder	1.21	1.08	.957	.865
653-SS-3GLPT	SS-3GLPT	D	Hinge lever	51 gf	QC #110	1.05	.94	.83	.80
653-SS-3GL13PD	SS-3GL13PD	E	Simulated roller lever	51 gf	PCB uneven pitch	.99	.885	.791	.744
653-SS-3GL13PT	SS-3GL13PT	D	Simulated roller lever	51 gf	QC #110	1.05	.944	.839	.797

OMRON SS SERIES: SUBMINIATURE BASIC SNAP ACTION SWITCHES

Specifications:

- Contact form: SPDT
- Contacts: SS-01 - Bifurcated crossbar; SS-5 and SS-10 - Standard rivets

Features:

- Economical, subminiature basic switch offers long service life (30 million operations min.)
- All models are free from overtravel restrictions and permit easy setting



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Actuator Type	Operating Force (max.)	Terminals	Price Each			
						1	25	50	100
Contact Rating 0.1A @ 30VDC									
653-SS-01FT	SS-01FT	F	Pin plunger	50 gf	QC #110	3.06	2.75	2.44	2.20
653-SS-01D	SS-01D	G	Pin plunger	150 gf	PCB straight	2.18	2.02	1.91	1.80
653-SS-01	SS-01	H	Pin plunger	150 gf	Solder	2.05	1.93	1.82	1.69
653-SS-01-GL-F	SS-01-GL-F	H	Hinge lever	16 gf	Solder	2.92	2.67	2.45	2.26
653-SS-01GL	SS-01GL	H	Hinge lever	50 gf	Solder	2.20	2.10	1.88	1.78
653-SS01-GLT	SS01-GLT	F	Hinge lever	50 gf	QC #110	3.01	2.77	2.57	2.31
653-SS-01GL13	SS-01GL13	H	Simulated roller lever	50 gf	Solder	2.67	2.40	2.13	1.92
653-SS-01GL2D	SS-01GL2D	H	Hinge roller lever	50 gf	PCB straight	3.10	2.79	2.48	2.23
653-SS-01GL2	SS-01GL2	H	Hinge roller lever	50 gf	Solder	2.68	2.48	2.09	1.97
Contact Rating 5A @ 125VAC									
653-SS-5FT	SS-5FT	F	Pin plunger	50 gf	QC #110	1.49	1.32	1.18	1.11
653-SS-5D	SS-5D	G	Pin plunger	150 gf	PCB straight	1.30	1.25	1.18	1.10
653-SS-5D2	SS-5D2	I	Pin plunger	150 gf	Right-angled PCB	1.85	1.66	1.47	1.32
653-SS-5	SS-5	H	Pin plunger	150 gf	Solder	1.21	1.14	1.10	1.05
653-SS-5T	SS-5T	F	Pin plunger	150 gf	QC #110	1.62	1.54	1.46	1.36
653-SS-5GL-F	SS-5GL-F	H	Hinge lever	16 gf	Solder	1.57	1.44	1.32	1.22
653-SS-5GLD	SS-5GLD	G	Hinge lever	50 gf	PCB straight	1.69	1.57	1.49	1.39
653-SS-5GL	SS-5GL	H	Hinge lever	50 gf	Solder	1.20	1.14	1.09	1.06
653-SS-5GLT	SS-5GLT	F	Hinge lever	50 gf	QC #110	1.39	1.29	1.20	1.12
653-SS-5GL13D	SS-5GL13D	G	Simulated roller lever	50 gf	PCB straight	1.75	1.60	1.39	1.33
653-SS-5GL13	SS-5GL13	H	Simulated roller lever	50 gf	Solder	1.31	1.21	1.15	1.08
653-SS-5GL13T	SS-5GL13T	F	Simulated roller lever	50 gf	QC #110	1.14	1.09	1.03	.993
653-SS-5GL2-FT	SS-5GL2-FT	F	Hinge roller lever	16 gf	QC #110	2.29	2.09	1.91	1.77
653-SS-5GL2D	SS-5GL2D	G	Hinge roller lever	50 gf	PCB straight	1.94	1.82	1.66	1.57
653-SS-5GL2	SS-5GL2	H	Hinge roller lever	50 gf	Solder	2.21	1.98	1.77	1.59
653-SS-5GL2T	SS-5GL2T	F	Hinge roller lever	50 gf	QC #110	2.05	1.92	1.74	1.56
Contact Rating 10.1A @ 125VAC									
653-SS-10D	SS-10D	G	Pin plunger	150 gf	PCB straight	2.30	2.12	2.03	1.93
653-SS-10	SS-10	H	Pin plunger	150 gf	Solder	1.83	1.64	1.46	1.40
653-SS-10T	SS-10T	F	Pin plunger	150 gf	QC #110	2.82	2.70	2.57	2.31
653-SS-10GL	SS-10GL	H	Hinge lever	50 gf	Solder	2.03	1.95	1.88	1.69
653-SS-10GLT	SS-10GLT	F	Hinge lever	50 gf	QC #110	2.90	2.68	2.34	2.23
653-SS-10GL13T	SS-10GL13T	F	Simulated roller lever	50 gf	QC #110	2.76	2.64	2.36	2.13
653-SS-10GL2	SS-10GL2	H	Hinge roller lever	50 gf	Solder	2.58	2.35	2.16	1.99
653-SS-10GL2T	SS-10GL2T	F	Hinge roller lever	50 gf	QC #110	3.34	3.13	2.83	2.55

