

OMRON Basic Switches



RoHS Compliant This product is RoHS compliant.

OMRON D2MQ SERIES: ULTRA SUBMINIATURE BASIC SWITCHES

Specifications:

- Contact form: SPDT
- Mechanical life: 30,000 operations min.
- Contact gap: 0.15mm
- Use M1.4 mounting screws with screws to mount the switch.

Features:

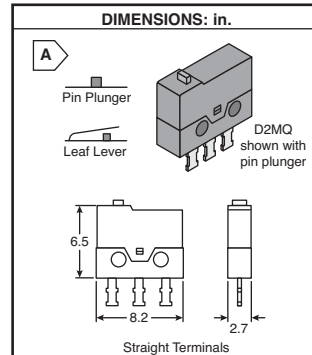
- Excels in electric characteristics with the snap-action mechanism despite superminiaturized design
- Gold-plated contacts for micro load switching available in addition to the standard silver-plated contacts



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For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Terminal Type	Contact Rating (max.)	Contact Material	Operating Force (max.)	Price Each			
								1	25	50	100
653-D2MQ-1	D2MQ-1	A	Pin plunger	Straight	0.5A @ 30 VDC	Silver-plated	120 gf	2.74	2.60	2.41	2.06
653-D2MQ-1L	D2MQ-1L	A	Leaf lever	Straight	0.5A @ 30 VDC	Silver-plated	60 gf	2.75	2.61	2.33	2.24
653-D2MQ-1L-TL	D2MQ-1L-TL	A	Leaf lever	Left angled	0.5A @ 30 VDC	Silver-plated	60 gf	3.19	2.87	2.55	2.17
653-D2MQ-1L-TR	D2MQ-1L-TR	A	Leaf lever	Right angled	0.5A @ 30 VDC	Silver-plated	60 gf	3.19	2.87	2.55	2.17
653-D2MQ-1-105	D2MQ-1-105	A	Pin plunger	Straight	50mA @ 30 VDC	Gold-plated	120 gf	2.76	2.54	2.42	2.21
653-D2MQ-1L-105	D2MQ-1L-105	A	Leaf lever	Straight	50mA @ 30 VDC	Gold-plated	60 gf	2.91	2.66	2.54	2.32



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:

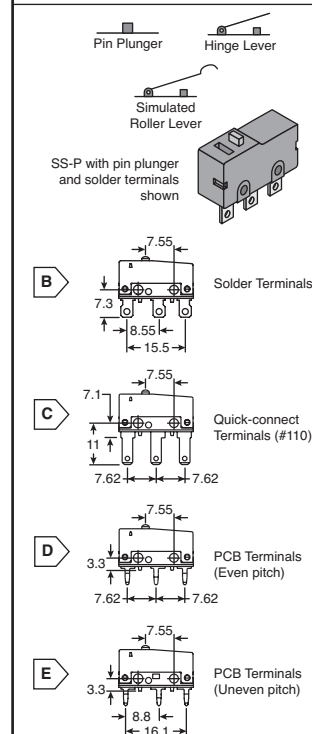
- Insert molded case for enhanced resistance to flux
- Simple construction with single-leaf spring
- SS series compatible mounting



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MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Contact Rating (max.)	Operating Force (max.)	Terminals	Price Each			
							1	25	50	100
653-SS-01GP	SS-01GP	B	Pin plunger	0.1A @ 30 VDC	150 gf	Solder	.77	.70	.62	.56
653-SS-01GPT	SS-01GPT	C	Pin plunger	0.1A @ 30 VDC	150 gf	#110 QC	.77	.69	.61	.55
653-SS-01GLP	SS-01GLP	B	Hinge lever	0.1A @ 30 VDC	50 gf	Solder	.90	.80	.71	.64
653-SS-01GLPT	SS-01GLPT	C	Hinge lever	0.1A @ 30 VDC	50 gf	#110 QC	.92	.82	.73	.66
653-SS01-GLT	SS-01-GLT	C	Hinge lever	0.1A @ 30 VDC	50 gf	#110 QC	2.86	2.61	2.49	2.37
653-SS-01GL13P	SS-01GL13P	B	Sim. roller lever	0.1A @ 30 VDC	50 gf	Solder	.92	.82	.73	.66
653-SS-01GL13PT	SS-01GL13PT	C	Sim. roller lever	0.1A @ 30 VDC	50 gf	#110 QC	.90	.82	.73	.663
653-SS-01GL13PB	SS-01GL13PB	D	Sim.roller lever	0.1A @ 30 VDC	50 gf	PCB even	.92	.82	.73	.66
653-SS-01GL13PD	SS-01GL13PD	E	Sim. roller lever	0.1A @ 30 VDC	50 gf	PCB uneven	.90	.80	.71	.64
653-SS-3GP	SS-3GP	B	Pin plunger	3A @ 125 VAC	150 gf	Solder	.77	.69	.61	.55
653-SS-3GPB	SS-3GPB	D	Pin plunger	3A @ 125 VAC	150 gf	PCB even	.77	.69	.61	.55
653-SS-3GPD	SS-3GPD	E	Pin plunger	3A @ 125 VAC	150 gf	PCB uneven	.77	.69	.61	.55
653-SS-3GLP	SS-3GLP	B	Hinge lever	3A @ 125 VAC	50 gf	Solder	.90	.80	.71	.64
653-SS-3GLPB	SS-3GLPB	D	Hinge lever	3A @ 125 VAC	50 gf	PCB even	.90	.80	.71	.64
653-SS-3GL13P	SS-3GL13P	B	Sim. roller lever	3A @ 125 VAC	50 gf	Solder	.89	.80	.71	.64
653-SS-3GL13PT	SS-3GL13PT	C	Sim. roller lever	3A @ 125 VAC	50 gf	#110 QC	.90	.80	.71	.64
653-SS-3GL13PB	SS-3GL13PB	D	Sim. roller lever	3A @ 125 VAC	50 gf	PCB even	.89	.80	.71	.64
653-SS-5GL13	SS-5GL13	B	Sim. roller lever	5A @ 125 VAC	50 gf	Solder	1.36	1.31	1.25	1.19
653-SS-5GL2D	SS-5GL2D	E	Hinge roller lever	5A @ 125 VAC	50 gf	PCB uneven	2.18	1.96	1.74	1.56



OMRON SS SERIES: SUBMINIATURE BASIC 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 minimum for SS-10)
- All models are free from overtravel restrictions, permit easy setting



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MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Contact Rating (max.)	Operating Force (max.)	Terminals	Price Each			
							1	25	50	100
653-SS-01	SS-01	F	Pin plunger	0.1A @ 30 VDC	150 gf	Solder	2.12	1.99	1.93	1.75
653-SS-01FT	SS-01FT	G	Pin plunger	0.1A @ 30 VDC	50 gf	#110 QC	2.28	2.08	1.98	1.88
653-SS-01D	SS-01D	H	Pin plunger	0.1A @ 30 VDC	150 gf	PCB	2.55	2.29	2.04	1.83
653-SS-01GL	SS-01GL	F	Hinge lever	0.1A @ 30 VDC	50 gf	Solder	2.21	2.10	1.89	1.79
653-SS-01GL13	SS-01GL13	F	Sim. roller lever	0.1A @ 30 VDC	50 gf	Solder	2.62	2.36	2.09	1.88
653-SS-01-GL-F	SS-01-GL-F	F	Hinge lever	0.1A @ 30 VDC	16 gf	Solder	3.37	3.07	2.76	2.61
653-SS-01GL2	SS-01GL2	G	Hinge roller lever	0.1A @ 30 VDC	50 gf	Solder	2.78	2.65	2.56	2.43
653-SS-01GL2FD	SS-01GL2-FD	F	Hinge roller lever	0.1A @ 30 VDC	16 gf	PCB	3.04	2.73	2.43	2.19
653-SS-01GLD	SS-01GLD	F	Hinge lever	0.1A @ 30 VDC	50 gf	PCB	2.54	2.28	2.02	1.85
653-SS-5	SS-5	F	Pin plunger	5A @ 125 VAC	150 gf	Solder	.94	.91	.86	.81
653-SS-5FT	SS-5FT	G	Pin plunger	5A @ 125 VAC	50 gf	#110 QC	1.51	1.39	1.33	1.27
653-SS-5F	SS-5F	F	Pin Plunger	5A @ 125 VAC	50 gf	PCB	1.56	1.40	1.24	1.12
653-SS-5T	SS-5T	G	Pin plunger	5A @ 125 VAC	150 gf	#110 QC	1.44	1.37	1.33	1.23
653-SS-5D	SS-5D	H	Pin plunger	5A @ 125 VAC	150 gf	PCB	1.30	1.25	1.22	1.12
653-SS-5GL	SS-5GL	F	Hinge lever	5A @ 125 VAC	50 gf	Solder	1.09	1.02	.99	.96
653-SS-5GLT	SS-5GLT	G	Hinge lever	5A @ 125 VAC	50 gf	#110 QC	1.41	1.31	1.20	1.12
653-SS-5GLD	SS-5GLD	H	Hinge lever	5A @ 125 VAC	50 gf	PCB	1.63	1.49	1.43	1.36
653-SS-5GL2	SS-5GL2	F	Hinge roller lever	5A @ 125 VAC	50 gf	Solder	1.44	1.39	1.23	1.11
653-SS-5GL2T	SS-5GL2T	G	Hinge roller lever	5A @ 125 VAC	50 gf	#110 QC	2.18	1.96	1.74	1.56
653-SS-5GL13T	SS-5GL13T	G	Sim. roller lever	5A @ 125 VAC	50 gf	#110 QC	1.22	1.17	1.14	1.08
653-SS-5GL13D	SS-5GL13D	F	Sim. roller lever	5A @ 125 VAC	50 gf	PCB	1.94	1.74	1.55	1.39
653-SS-5GL2-F	SS-5GL2-F	G	Hinge roller lever	5A @ 125 VAC	16 gf	Solder	1.99	1.84	1.79	1.72
653-SS-5GL2-FT	SS-5GL2-FT	H	Hinge roller lever	5A @ 125 VAC	16 gf	#110 QC	2.25	2.03	1.81	1.63
653-SS-5GL-F	SS-5GL-F	G	Hinge lever	5A @ 125 VAC	16 gf	Solder	1.77	1.59	1.41	1.27
653-SS-10	SS-10	F	Pin plunger	10.1A @ 125 VAC	150 gf	Solder	1.80	1.61	1.43	1.29
653-SS-10T	SS-10T	G	Pin plunger	10.1A @ 125 VAC	150 gf	#110 QC	2.52	2.45	2.19	1.97
653-SS-10D	SS-10D	H	Pin plunger	10.1A @ 125 VAC	150 gf	PCB	2.51	2.45	2.32	2.07
653-SS-10GL	SS-10GL	F	Hinge lever	10.1A @ 125 VAC	50 gf	Solder	1.80	1.75	1.65	1.49
653-SS-10GLT	SS-10GLT	G	Hinge lever	10.1A @ 125 VAC	50 gf	#110 QC	2.41	2.24	1.99	1.79
653-SS-10GL2	SS-10GL2	F	Hinge roller lever	10.1A @ 125 VAC	50 gf	Solder	2.54	2.33	2.21	1.67
653-SS-10GL2T	SS-10GL2T	G	Hinge roller lever	10.1A @ 125 VAC	50 gf	#110 QC	2.70	2.52	2.24	2.01
653-SS-10GL13T	SS-10GL13T	G	Sim. roller lever	10.1A @ 125 VAC	50 gf	#110 QC	2.33	2.27	2.02	1.82

