

# OMRON Basic Switches



RoHS Compliant This page of product is RoHS compliant.

## D2LS SERIES: ULTRA SUBMINIATURE BASIC SWITCHES

### Specifications:

- Rated Voltage: 6VDC
- Resistive load: 1mA

### Features:

- High-operating force version with long service life is available
- Compact size: 8.6x4.8x3mm (WxDxH)
- Clear click feeling

MOUSER STOCK NO.	Omron Part No.	Fig.	Actuator Type	Operating Force (Max.) (N)	Terminals	Price Each			
						1	25	50	100
653-D2LS-11	D2LS-11	A	Button	1.2	Gull Wing Lead	1.39	1.32	1.21	1.10
653-D2LS-21	D2LS-21	A	Button	0.6	Gull Wing Lead	1.87	1.80	1.72	1.65

## 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 super miniaturized design
- Ideal for applications where size is extremely limited and high reliability is demanded

For quantities greater than listed, call for quote.									
Contact Rating 50mA @ 30VDC						Price Each			
653-D2MQ-1-105	D2MQ-1-105	B	Pin plunger	1.18	Straight PCB	3.37	3.15	3.00	2.33
Contact Rating 0.5A @ 30VDC									
653-D2MQ-1	D2MQ-1	B	Pin plunger	1.18	Straight PCB	3.48	3.27	3.19	2.40
653-D2MQ-1L	D2MQ-1L	B	Leaf lever	0.59	Straight PCB	3.38	3.15	3.00	2.55
653-D2MQ-1L-TR	D2MQ-1L-TR	B	Leaf lever	0.59	Right-angled PCB	3.45	3.22	3.06	2.60
653-D2MQ-1L-TL	D2MQ-1L-TL	B	Leaf lever	0.59	Left-angled PCB	3.45	3.22	3.06	2.60
653-D2MQ-4L-1	D2MQ-4L-1	B	Hinge leaf lever	0.39	Straight PCB	3.09	2.67	2.61	2.08
653-D2MQ-4L-1-R	D2MQ-4L-1-R	B	Hinge leaf lever	0.39	Right-angled PCB	3.91	3.22	3.06	2.60
653-D2MQ-4L-1-L	D2MQ-4L-1-L	B	Hinge leaf lever	0.39	Left-angled PCB	3.91	3.22	3.06	2.60

## 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: 100MQ 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.									
653-D2T-T1S	D2T-T1S	C	Pin plunger	3.24	Straight solder	4.67	4.44	4.32	3.51
653-D2T-T1	D2T-T1	C	Pin plunger	3.24	Right-angled solder	4.67	4.44	4.32	3.51
653-D2T-LT1S	D2T-LT1S	C	Hinge lever	1.47	Straight solder	4.74	4.32	3.96	3.66
653-D2T-LT1	D2T-LT1	C	Hinge lever	1.47	Right-angled solder	4.82	4.58	4.46	3.62

## 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.									
Contact Rating 0.1A @ 30VDC						Price Each			
653-SS-01GP	SS-01GP	D	Pin plunger	1.5	Solder	1.19	1.14	1.09	1.04
653-SS-01GLP	SS-01GLP	D	Hinge lever	0.5	Solder	1.05	1.00	.965	.923
653-SS-01GLPT	SS-01GLPT	E	Hinge lever	0.5	QC #110	1.05	1.00	.965	.923
653-SS-01GL13P	SS-01GL13P	D	Simulated roller lever	0.5	Solder	1.05	1.00	.965	.923
653-SS-01GL13PT	SS-01GL13PT	E	Simulated roller lever	0.5	QC #110	1.24	1.18	1.14	1.09
Contact Rating 3A @ 125VAC						Price Each			
653-SS-3GLP	SS-3GLP	D	Hinge lever	0.5	Solder	1.24	1.19	1.14	1.09
653-SS-3GL13PD	SS-3GL13PD	F	Simulated roller lever	0.5	PCB uneven pitch	1.05	1.00	.965	.923
653-SS-3GL13PT	SS-3GL13PT	E	Simulated roller lever	0.5	QC #110	1.05	1.00	.966	.924

## 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.									
Contact Rating 0.1A @ 30VDC						Price Each			
653-SS-01FT	SS-01FT	G	Pin plunger	0.49	QC #110	2.94	2.75	2.44	2.15
653-SS-01D	SS-01D	H	Pin plunger	1.47	Straight PCB	2.86	2.65	2.38	2.09
653-SS-01	SS-01	I	Pin plunger	1.47	Solder	2.73	2.56	2.50	1.99
653-SS-01-GL-F	SS-01-GL-F	I	Hinge lever	0.16	Solder	3.12	2.80	2.49	2.26
653-SS-01GL	SS-01GL	I	Hinge lever	0.49	Solder	2.65	2.54	2.27	2.15
653-SS01-GLT	SS01-GLT	G	Hinge lever	0.49	QC #110	3.36	3.06	2.72	2.45
653-SS-01GL13	SS-01GL13	I	Simulated roller lever	0.49	Solder	2.94	2.75	2.44	2.15
653-SS-01GL2D	SS-01GL2D	I	Hinge roller lever	0.49	Straight PCB	3.55	3.19	2.84	2.55
653-SS-01GL2	SS-01GL2	I	Hinge roller lever	0.49	Solder	3.11	2.92	2.85	2.27
Contact Rating 5A @ 125VAC						Price Each			
653-SS-5FT	SS-5FT	G	Pin plunger	0.49	QC #110	1.82	1.75	1.68	1.61
653-SS-5D	SS-5D	H	Pin plunger	1.47	Straight PCB	1.82	1.75	1.68	1.61
653-SS-5D2	SS-5D2	J	Pin plunger	1.47	Right-angled PCB	2.60	2.33	2.08	1.87
653-SS-5	SS-5	I	Pin plunger	1.47	Solder	1.24	1.17	1.13	1.08
653-SS-5T	SS-5T	G	Pin plunger	1.47	QC #110	1.72	1.63	1.57	1.40
653-SS-5GL-F	SS-5GL-F	I	Hinge lever	0.16	Solder	1.91	1.71	1.52	1.37
653-SS-5GLD	SS-5GLD	H	Hinge lever	0.49	Straight PCB	2.11	1.97	1.75	1.54
653-SS-5GL	SS-5GL	I	Hinge lever	0.49	Solder	1.51	1.42	1.37	1.32
653-SS-5GLT	SS-5GLT	G	Hinge lever	0.49	QC #110	1.79	1.69	1.56	1.40
653-SS-5GL13D	SS-5GL13D	H	Simulated roller lever	0.49	Straight PCB	2.18	2.04	1.81	1.59
653-SS-5GL13	SS-5GL13	I	Simulated roller lever	0.49	Solder	1.83	1.73	1.62	1.46
653-SS-5GL13T	SS-5GL13T	G	Simulated roller lever	0.49	QC #110	1.28	1.21	1.15	1.11
653-SS-5GL2-FT	SS-5GL2-FT	G	Hinge roller lever	0.16	QC #110	2.63	2.36	2.10	1.89
653-SS-5GL2D	SS-5GL2D	H	Hinge roller lever	0.49	Straight PCB	2.45	2.29	2.24	1.79
653-SS-5GL2	SS-5GL2	I	Hinge roller lever	0.49	Solder	2.58	2.41	2.16	1.97
653-SS-5GL2T	SS-5GL2T	G	Hinge roller lever	0.49	QC #110	2.44	2.28	2.23	1.78
Contact Rating 10.1A @ 125VAC						Price Each			
653-SS-10D	SS-10D	H	Pin plunger	1.47	Straight PCB	2.66	2.48	2.43	1.93
653-SS-10	SS-10	I	Pin plunger	1.47	Solder	2.01	1.83	1.68	1.55
653-SS-10T	SS-10T	G	Pin plunger	1.47	QC #110	3.07	2.88	2.81	2.24
653-SS-10GL	SS-10GL	I	Hinge lever	0.49	Solder	2.25	2.11	2.06	1.64
653-SS-10GLT	SS-10GLT	G	Hinge lever	0.49	QC #110	2.80	2.62	2.56	2.03
653-SS-10GL13T	SS-10GL13T	G	Simulated roller lever	0.49	QC #110	2.84	2.66	2.60	2.07
653-SS-10GL2	SS-10GL2	I	Hinge roller lever	0.49	Solder	2.99	2.80	2.48	2.29
653-SS-10GL2T	SS-10GL2T	G	Hinge roller lever	0.49	QC #110	3.20	2.75	2.66	2.25

**DIMENSIONS: mm**

**A** Contact Form (SPST-NO)

**B** Hinge Leaf Lever Leaf Lever Pin Plunger Straight Terminals

**C** Pin Plunger Hinge Leaf Lever

**D** SS-P with pin plunger and solder terminals shown Simulated Roller Lever Pin Plunger Hinge Lever Solder Terminals

**E** Quick-Connect Terminals (#110)

**F** PCB Terminals (Uneven Pitch)

**G** Quick-Connect Terminals (#110)

**H** PCB Terminals

**I** Solder Terminals

**J** PCB, Right-Angled Terminal