

OMRON Sealed Basic Switches



OMRON D2SW-P SERIES: SEALED SUBMINIATURE BASIC SWITCHES

Specifications:

- Contact form: SPDT
- Contact material: D2SW-P01 - Gold alloy
D2SW-P2 - Silver alloy
- Contact rating: D2SW-P01 - Crossbar
D2SW-P2 - Rivet
- Contact gap: 0.5mm

Features:

- Mounting compatible with SS and D2SW series
- Sealing by using rubber packing means the switch can be used in dustproof or in temporary waterproof environments
- Degree of protection: IEC IP67 (circuit block only)

RoHS compliant This page of product is compliant.



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-D2SW-P01L3B	D2SW-P01L3B	A	Simulated roller lever	61 gf	PCB even pitch	2.45	2.17	1.95	1.84
653-D2SW-P01L3T	D2SW-P01L3T	A	Simulated roller lever	61 gf	QC #110	1.84	1.68	1.54	1.39
Contact Rating 2A @ 250VAC									
653-D2SW-P2L3H	D2SW-P2L3H	A	Simulated roller lever	61 gf	Solder	1.58	1.43	1.37	1.24
653-D2SW-P2L2H	D2SW-P2L2H	A	Hinge roller lever	61 gf	Solder	2.27	2.04	1.81	1.63
653-D2SW-P2L2T	D2SW-P2L2T	A	Hinge roller lever	61 gf	QC #110	2.38	2.18	1.99	1.84

OMRON D2SW SERIES: SUBMINIATURE WATERTIGHT SNAP ACTION SWITCHES

Specifications:

- Contact form: SPDT
- Contact material: D2SW-01 - Gold alloy
D2SW-3 - Silver alloy
- Contact rating: D2SW-01 - Crossbar
D2SW-3 - Rivet
- Contact gap: 0.5mm
- Molded lead wire length: 30cm

Features:

- Use of epoxy resin assures stable sealing, making this switch ideal for places subject to water spray or excessive dust
- Degree of protection: IEC IP67



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-D2SW-01HS	D2SW-01HS	B	Pin plunger	180 gf	Solder	4.03	3.67	3.36	3.11
653-D2SW-01L1MS	D2SW-01L1MS	B	Hinge lever	60 gf	Molded lead wires	9.02	8.22	7.53	6.96
653-D2SW-01L3TS	D2SW-01L3TS	B	Simulated roller lever	60 gf	QC #110	4.27	3.63	3.39	3.16
653-D2SW-01L3MS	D2SW-01L3MS	B	Simulated roller lever	60 gf	Molded lead wires	9.74	8.87	8.13	7.52
653-D2SW-01L2HS	D2SW-01L2HS	B	Hinge roller lever	60 gf	Solder	4.61	4.14	3.68	3.23
653-D2SW-01L2TS	D2SW-01L2TS	B	Hinge roller lever	60 gf	QC #110	4.52	4.11	3.77	3.48
653-D2SW-01L2MS	D2SW-01L2MS	B	Hinge roller lever	60 gf	Molded lead wires	8.93	8.18	7.80	7.19
Contact Rating 3A @ 125VAC									
653-D2SW-3HS	D2SW-3HS	B	Pin plunger	180 gf	Solder	3.56	3.34	3.19	2.98
* 653-D2SW-3H	D2SW-3H	B	Pin plunger	180 gf	Solder	4.24	3.86	3.55	3.27
653-D2SW-3TS	D2SW-3TS	B	Pin plunger	180 gf	QC #110	4.16	3.74	3.32	2.98
* 653-D2SW-3M	D2SW-3M	B	Pin plunger	180 gf	Molded lead wires	11.09	10.09	9.25	8.35
653-D2SW-3L1HS	D2SW-3L1HS	B	Hinge lever	60 gf	Solder	4.16	3.90	3.57	3.21
653-D2SW-3L1MS	D2SW-3L1MS	B	Hinge lever	60 gf	Molded lead wires	4.97	4.66	4.45	4.17
653-D2SW-3L3MS	D2SW-3L3MS	B	Simulated roller lever	60 gf	Molded lead wires	5.34	5.01	4.78	4.58
653-D2SW-3L2HS	D2SW-3L2HS	B	Hinge roller lever	60 gf	Solder	4.47	4.06	3.86	3.63
* 653-D2SW-3L2H	D2SW-3L2H	B	Hinge roller lever	60 gf	Solder	5.59	5.09	4.67	4.30
653-D2SW-3L2TS	D2SW-3L2TS	B	Hinge roller lever	60 gf	QC #110	4.55	4.14	3.80	3.51
653-D2SW-3L2MS	D2SW-3L2MS	B	Hinge roller lever	60 gf	Molded lead wires	6.72	6.30	5.64	5.07
* 653-D2SW-3L2M	D2SW-3L2M	B	Hinge roller lever	60 gf	Molded lead wires	11.97	10.89	9.98	9.22

OMRON D2FW-G SERIES: SUBMINIATURE WATERTIGHT SNAP ACTION SWITCHES

Specifications:

- Contact material: D2FW-G0 - Gold alloy
D2FW-G2 - Silver alloy
- Contact rating: Crossbar
- Contact gap: 0.25mm
- Molded lead wire length: 30cm

Features:

- Single-point mounting with an M4 screw
- Molded lead wires are installed using lead-free connections for environmental conservation
- Incorporates a fixed leaf lever for tough environments
- Degree of protection: IEC IP67

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Actuator Type	Operating Force (max.)	Price Each			
						1	25	50	100
Contact Rating 0.1A @ 30VDC									
653-D2FW-G071M	D2FW-G071M	C	SPDT	Leaf lever	250 gf	9.24	8.41	7.71	6.86
653-D2FW-G072M	D2FW-G072M	C	SPST-NC	Leaf lever	250 gf	9.47	8.64	7.92	7.31
653-D2FW-G082M	D2FW-G082M	C	SPST-NC	Long leaf lever	300 gf	9.79	8.92	8.18	7.55
653-D2FW-G073M	D2FW-G073M	C	SPST-NO	Leaf lever	250 gf	5.49	5.02	4.79	4.63
653-D2FW-G083M	D2FW-G083M	C	SPST-NO	Long leaf lever	300 gf	10.69	9.62	8.55	7.68
Contact Rating 1A @ 30VDC									
653-D2FW-G271M	D2FW-G271M	C	SPDT	Leaf lever	250 gf	8.93	8.51	8.14	7.68
653-D2FW-G273M	D2FW-G273M	C	SPST-NO	Leaf lever	250 gf	12.50	11.46	10.19	9.16
653-D2FW-G283M	D2FW-G283M	C	SPST-NO	Long leaf lever	300 gf	11.12	10.19	9.05	8.14

OMRON D2JW SERIES: IMMERSION-PROOF SUBMINIATURE SNAP ACTION SWITCHES

Specifications:

- Contact rating: 0.1A @ 30VDC
- Contact form: SPDT
- Contact gap: 0.5mm

Features:

- Ultra-small and highly sealed
- Gold-alloy crossbar contact and coil spring offer long life expectancy and high contact reliability
- Degree of protection: IEC IP67 (excluding the terminals on terminal models)

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-D2JW-011	D2JW-011	D	Pin plunger	250 gf	Solder	7.27	6.62	6.07	5.60
653-D2JW-011-MD	D2JW-011-MD	D	Pin plunger	250 gf	Molded lead wires	12.50	11.45	10.87	10.53
653-D2JW-01K1A1	D2JW-01K1A1	D	Short hinge lever	117 gf	Solder	6.49	5.91	5.70	5.48
653-D2JW-01K1A1-MD	D2JW-01K1A1-MD	D	Short hinge lever	117 gf	Molded lead wires	19.76	18.69	17.61	16.31
653-D2JW-01K11	D2JW-01K11	D	Hinge lever	82 gf	Solder	6.55	6.00	5.71	5.52
653-D2JW-01K11-MD	D2JW-01K11-MD	D	Hinge lever	82 gf	Molded lead wires	18.31	17.48	16.47	15.57
653-D2JW-01K31	D2JW-01K31	D	Simulated roller lever	97 gf	Solder	6.49	6.10	5.70	5.48
653-D2JW-01K31-MD	D2JW-01K31-MD	D	Simulated roller lever	97 gf	Molded lead wires	15.85	14.26	12.68	11.40
653-D2JW-01K21	D2JW-01K21	D	Hinge roller lever	100 gf	Solder	6.89	6.39	5.88	5.64
653-D2JW-01K21-MD	D2JW-01K21-MD	D	Hinge roller lever	100 gf	Molded lead wires	16.35	15.61	14.71	13.89

DIMENSIONS: mm

A

D2SW-P with pin plunger shown

Simulated Roller Lever

Hinge Roller Lever

#110 QC Terminals

PCB Terminals (even)

B

D2SW with pin plunger and solder terminals shown

Pin Plunger

Hinge Lever

Simulated Roller Lever

Hinge Roller Lever

#110 QC Terminals

Molded Lead Wires

C

Leaf Lever

Long Leaf Lever

D2FW-G with leaf lever shown

D

Pin Plunger

Short Hinge Lever

Hinge Lever

Simulated Roller Lever

Hinge Roller Lever

D2JW shown with pin plunger and solder terminals

Solder Terminals

Molded Lead Wires

Omron Basic/Snap Switches