

OMRON Sealed Basic Switches



OMRON D2SW-P SERIES: SEALED SUBMINIATURE BASIC SWITCHES

Specifications:

- Contacts: D2SW-P01 - Crossbar; D2SW-P2 - Rivet
- Contact material: D2SW-P01 - Gold alloy; D2SW-P2 - Silver alloy
- Contact form: SPDT
- Contact gap: 0.5mm
- Contact rating: D2SW-P01 - 0.1A @ 30 VDC/125 VAC; D2SW-P2 - 2A @ 30 VDC/250 VAC

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)



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Operating Force (max.)	Terminals	Price Each			
						1	25	50	100
653-D2SW-P01D	D2SW-P01D	A	Pin plunger	183 gf	PCB uneven	1.44	1.29	1.15	1.03
653-D2SW-P01L3T	D2SW-P01L3T	A	Simulated roller lever	61 gf	#110 QC	1.85	1.69	1.47	1.33
653-D2SW-P01L3B	D2SW-P01L3B	A	Simulated roller lever	61 gf	PCB even	1.85	1.66	1.47	1.33
653-D2SW-P01L3M	D2SW-P01L3M	A	Simulated roller lever	61 gf	Molded lead wires	4.87	4.34	4.21	4.00
653-D2SW-P2T	D2SW-P2T	A	Pin plunger	183 gf	#110 QC	1.18	1.08	1.01	.91
653-D2SW-P2L2H	D2SW-P2L2H	A	Hinge roller lever	61 gf	Solder	2.04	1.83	1.63	1.46
653-D2SW-P2L3H	D2SW-P2L3H	A	Simulated roller lever	61 gf	Solder	1.65	1.48	1.32	1.18

OMRON D2SW SERIES: SUBMINIATURE WATERTIGHT SNAP ACTION SWITCHES

Specifications:

- Contacts: D2SW-01 - Crossbar; D2SW-3 - Rivet
- Contact material: D2SW-01 - Gold alloy; D2SW-3 - Silver alloy
- Contact form: SPDT
- Contact gap: 0.5mm
- Contact rating: D2SW-01 - 0.1A @ 30 VDC/125 VAC; D2SW-3 - 3A @ 30 VDC/125 VAC

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



The standard length of the molded lead wires is 30 cm.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Operating Force (max.)	Terminals	Price Each			
						1	25	50	100
653-D2SW-01L1MS	D2SW-01L1MS	B	Hinge lever	60 gf	Molded lead wires	7.62	6.99	6.67	6.36
653-D2SW-01L3TS	D2SW-01L3TS	B	Simulated roller lever	60 gf	#110 QC	4.86	4.45	4.25	2.75
653-D2SW-01L3MS	D2SW-01L3MS	B	Simulated roller lever	60 gf	Molded lead wires	7.62	6.99	6.67	6.36
653-D2SW-01L2HS	D2SW-01L2HS	B	Hinge roller lever	60 gf	Solder	4.85	4.31	3.99	2.92
653-D2SW-01L2TS	D2SW-01L2TS	B	Hinge roller lever	60 gf	#110 QC	4.81	4.58	4.20	2.92
653-D2SW-01L2MS	D2SW-01L2MS	B	Hinge roller lever	60 gf	Molded lead wires	5.59	5.13	4.90	4.46
653-D2SW-01HS	D2SW-01HS	B	Pin Plunger	180 gf	Solder	4.80	4.32	4.09	2.61
653-D2SW-3HS	D2SW-3HS	B	Pin plunger	180 gf	Solder	3.19	2.86	2.54	2.29
653-D2SW-3TS	D2SW-3TS	B	Pin plunger	180 gf	#110 QC	3.19	2.86	2.54	2.17
653-D2SW-3MS	D2SW-3MS	B	Pin plunger	180 gf	Molded lead wires	5.29	4.76	4.23	3.60
653-D2SW-3L3HS	D2SW-3L3HS	B	Simulated roller lever	60 gf	Solder	3.25	2.98	2.85	2.70
653-D2SW-3L3MS	D2SW-3L3MS	B	Simulated roller lever	60 gf	Molded lead wires	5.52	4.96	4.41	3.97
653-D2SW-3L1HS	D2SW-3L1HS	B	Hinge lever	60 gf	Solder	3.25	2.98	2.70	2.43
653-D2SW-3L1TS	D2SW-3L1TS	B	Hinge lever	60 gf	#110 QC	3.39	3.04	2.70	2.43
653-D2SW-3L1MS	D2SW-3L1MS	B	Hinge lever	60 gf	Molded lead wires	5.52	4.96	4.41	3.97
653-D2SW-3L2HS	D2SW-3L2HS	B	Hinge roller lever	60 gf	Solder	3.87	3.47	3.09	2.78
653-D2SW-3L2MS	D2SW-3L2MS	B	Hinge roller lever	60 gf	Molded lead wires	5.83	5.24	4.66	4.19

OMRON D2FW-G SERIES: SUBMINIATURE WATERTIGHT SNAP ACTION SWITCHES

Specifications:

- Contacts: Crossbar
- Contact material: D2FW-G0 - Gold alloy; D2FW-G2 - Silver alloy
- Contact gap: 0.25mm
- Contact rating: D2FW-G0 - 0.1A @ 30 VDC; D2FW-G2 - 1A @ 30 VDC

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



The standard length of the molded lead wires is 30 cm.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Operating Force (max.)	Contact Form	Price Each			
						1	25	50	100
653-D2FW-G071M	D2FW-G071M	C	Leaf lever	250 gf	SPDT	4.73	4.59	4.42	4.28
653-D2FW-G072M	D2FW-G072M	C	Leaf lever	250 gf	SPST-NC	5.46	4.87	4.73	4.49
653-D2FW-G073M	D2FW-G073M	C	Leaf lever	250 gf	SPST-NO	4.35	4.13	3.68	3.57
653-D2FW-G081M	D2FW-G081M	C	Long leaf lever	300 gf	SPDT	5.46	4.87	4.73	4.49
653-D2FW-G083M	D2FW-G083M	C	Long leaf lever	300 gf	SPST-NO	5.46	4.87	4.46	4.01
653-D2FW-G271M	D2FW-G271M	C	Leaf lever	250 gf	SPDT	5.46	4.87	4.73	4.49
653-D2FW-G272M	D2FW-G272M	C	Leaf lever	250 gf	SPST-NC	4.86	4.79	4.73	4.49
653-D2FW-G273M	D2FW-G273M	C	Leaf lever	250 gf	SPST-NO	4.35	4.13	3.68	3.57
653-D2FW-G281M	D2FW-G281M	C	Long leaf lever	300 gf	SPDT	4.35	4.13	3.68	3.57
653-D2FW-G282M	D2FW-G282M	C	Long leaf lever	300 gf	SPST-NC	4.64	4.50	4.30	4.16
653-D2FW-G283M	D2FW-G283M	C	Long leaf lever	300 gf	SPST-NO	4.35	4.13	3.68	3.57

OMRON D2JW SERIES: IMMERSION-PROOF SUBMINIATURE SNAP ACTION SWITCHES

Specifications:

- Contact form: SPDT
- Contact gap: 0.5mm
- Degree of protection: IEC IP67 (excluding the terminals on terminal models)
- Contact rating: 0.1A @ 30 VDC

Features:

- Ultra-small and highly sealed
- Gold-alloy crossbar contact and coil spring offer long life expectancy and high contact reliability



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Operating Force (max.)	Terminals	Price Each			
						1	25	50	100
653-D2JW-011	D2JW-011	D	Pin plunger	250 gf	Solder	6.76	6.41	5.72	5.55
653-D2JW-011-MD	D2JW-011-MD	D	Pin plunger	250 gf	Molded lead wires	8.98	8.52	7.60	7.37
653-D2JW-01K31	D2JW-01K31	D	Simulated roller lever	97 gf	Solder	6.89	6.31	6.01	5.48
653-D2JW-01K31-MD	D2JW-01K31-MD	D	Simulated roller lever	97 gf	Molded lead wires	9.33	8.85	7.90	7.66
653-D2JW-01K1A1	D2JW-01K1A1	D	Short hinge lever	117 gf	Solder	6.89	6.31	6.01	5.48
653-D2JW-01K11	D2JW-01K11	D	Hinge lever	82 gf	Solder	7.12	6.75	6.02	5.84
653-D2JW-01K11-MD	D2JW-01K11-MD	D	Hinge lever	82 gf	Molded lead wires	9.33	8.85	7.90	7.66
653-D2JW-01K21	D2JW-01K21	D	Hinge roller lever	100 gf	Solder	7.46	7.08	6.32	6.13
653-D2JW-01K21-MD	D2JW-01K21-MD	D	Hinge roller lever	100 gf	Molded lead wires	9.63	9.14	8.15	7.90

DIMENSIONS: mm

A

Pin Plunger
Simulated Roller Lever
Hinge Roller Lever
#110 QC Terminals
PCB Terminals (even)
PCB Terminals (uneven)
Molded Lead Wires

D2SW-P with pin plunger shown
Solder Terminals

B

Pin Plunger
Hinge Lever
Simulated Roller Lever
Hinge Roller Lever
#110 QC Terminals
Molded Lead Wires

D2SW with pin plunger and solder terminals shown
Solder/PCB

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
Molded Lead Wires

D2JW shown with pin plunger and solder terminals
Solder Terminals