

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)



RoHS Compliant

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-P01L3T	D2SW-P01L3T	A	Simulated roller lever	61 gf	#110 QC				
653-D2SW-P01L3B	D2SW-P01L3B	A	Simulated roller lever	61 gf	PCB even				
653-D2SW-P01L3M	D2SW-P01L3M	A	Simulated roller lever	61 gf	Molded lead wires				
653-D2SW-P2L2H	D2SW-P2L2H	A	Hinge roller lever	61 gf	Solder				
653-D2SW-P2L3H	D2SW-P2L3H	A	Simulated roller lever	61 gf	Solder				

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



RoHS Compliant



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				
653-D2SW-01L3TS	D2SW-01L3TS	B	Simulated roller lever	60 gf	#110 QC				
653-D2SW-01L3MS	D2SW-01L3MS	B	Simulated roller lever	60 gf	Molded lead wires				
653-D2SW-01L2HS	D2SW-01L2HS	B	Hinge roller lever	60 gf	Solder				
653-D2SW-01L2TS	D2SW-01L2TS	B	Hinge roller lever	60 gf	#110 QC				
653-D2SW-01L2MS	D2SW-01L2MS	B	Hinge roller lever	60 gf	Molded lead wires				
653-D2SW-01HS	D2SW-01HS	B	Pin Plunger	180 gf	Solder				
653-D2SW-3HS	D2SW-3HS	B	Pin plunger	180 gf	Solder				
653-D2SW-3TS	D2SW-3TS	B	Pin plunger	180 gf	#110 QC				
653-D2SW-3L3HS	D2SW-3L3HS	B	Simulated roller lever	60 gf	Solder				
653-D2SW-3L3MS	D2SW-3L3MS	B	Simulated roller lever	60 gf	Molded lead wires				
653-D2SW-3L1HS	D2SW-3L1HS	B	Hinge lever	60 gf	Solder				
653-D2SW-3L1TS	D2SW-3L1TS	B	Hinge lever	60 gf	#110 QC				
653-D2SW-3L1MS	D2SW-3L1MS	B	Hinge lever	60 gf	Molded lead wires				
653-D2SW-3L2HS	D2SW-3L2HS	B	Hinge roller lever	60 gf	Solder				
653-D2SW-3L2MS	D2SW-3L2MS	B	Hinge roller lever	60 gf	Molded lead wires				

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



RoHS Compliant

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				
653-D2FW-G072M	D2FW-G072M	C	Leaf lever	250 gf	SPST-NC				
653-D2FW-G073M	D2FW-G073M	C	Leaf lever	250 gf	SPST-NO				
653-D2FW-G081M	D2FW-G081M	C	Long leaf lever	300 gf	SPDT				
653-D2FW-G083M	D2FW-G083M	C	Long leaf lever	300 gf	SPST-NO				
653-D2FW-G271M	D2FW-G271M	C	Leaf lever	250 gf	SPDT				
653-D2FW-G272M	D2FW-G272M	C	Leaf lever	250 gf	SPST-NC				
653-D2FW-G273M	D2FW-G273M	C	Leaf lever	250 gf	SPST-NO				
653-D2FW-G281M	D2FW-G281M	C	Long leaf lever	300 gf	SPDT				
653-D2FW-G282M	D2FW-G282M	C	Long leaf lever	300 gf	SPST-NC				
653-D2FW-G283M	D2FW-G283M	C	Long leaf lever	300 gf	SPST-NO				

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



RoHS Compliant

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				
653-D2JW-011-MD	D2JW-011-MD	D	Pin plunger	250 gf	Molded lead wires				
653-D2JW-01K31	D2JW-01K31	D	Simulated roller lever	97 gf	Solder				
653-D2JW-01K31-MD	D2JW-01K31-MD	D	Simulated roller lever	97 gf	Molded lead wires				
653-D2JW-01K1A1	D2JW-01K1A1	D	Short hinge lever	117 gf	Solder				
653-D2JW-01K11	D2JW-01K11	D	Hinge lever	82 gf	Solder				
653-D2JW-01K11-MD	D2JW-01K11-MD	D	Hinge lever	82 gf	Molded lead wires				
653-D2JW-01K21	D2JW-01K21	D	Hinge roller lever	100 gf	Solder				
653-D2JW-01K21-MD	D2JW-01K21-MD	D	Hinge roller lever	100 gf	Molded lead wires				

DIMENSIONS: mm

A

D2SW-P with pin plunger and solder terminals shown

Hinge Roller Lever

PCB Terminals (even)

Molded Lead Wires

B

Pin Plunger

Hinge Lever

Simulated Roller Lever

Hinge Roller Lever

D2SW with pin plunger and solder terminals shown

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

Molded Lead Wires

Omron Basic/Snap Switches