

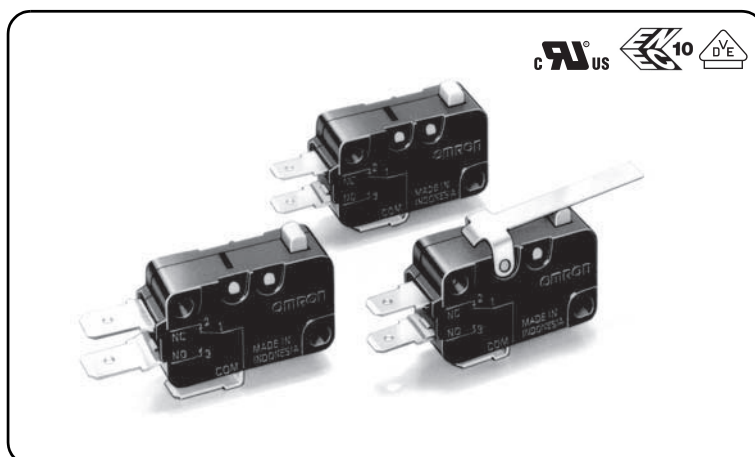
D3V

Miniature Basic Switch

Reliable Basic Switch with External Lever

- Available by 21 A, 16 A, 11 A, 6 A and 0.1 A models, all with self-cleaning contacts.
- Available with internally or externally fitted levers.

RoHS Compliant



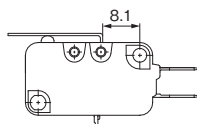
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Model Number Legend

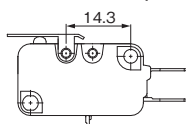
D3V-1234-567-8-9											
1. Ratings				5. Contact Form				6. Terminals			
21 : 20 (4) A at 250 VAC				1 : SPDT				A : Solder terminals			
16 : 16 (3) A at 250 VAC				2 : SPST-NC				C2 : Quick-connect terminals (#187)			
11 : 11 (3) A at 250 VAC				3 : SPST-NO				C : Quick-connect terminals (#250)			
6 : 16 (2) A at 250 VAC				7. Maximum Operating Force				5 : 1.96 N {200 gf}			
01 : 0.1 A at 125 VAC				4A : 1.23 N {125 gf}				4 : 0.98 N {100 gf}			
2. Contact Gap				8. Mounting Hole Size				3 : 0.49 N {50 gf}			
None : 1 mm (F gap)				None : 3.1 mm				2 : 0.25 N {25 gf}			
G : 0.5 mm (G gap)				K : 2.9 mm				Note. These values are for the pin plunger model			
3. Actuator				9. Special Code				None : Standard			
None : Pin plunger											
1 : Short hinge lever											
2 : Hinge lever											
3 : Long hinge lever											
4 : Simulated roller lever											
5 : Short hinge roller lever											
6 : Hinge roller lever											
4. Hinge Position											
None : Internal/Far from plunger											

4. Hinge Position

None : Internal/Far from plunger



K : External/Near plunger



List of Models

●21 A (OF: 1.23 N {125 gf})

Ratings	Contact gap	Actuators	Contact form	Terminals Maximum operating force (OF)	Quick-connect terminals (#250) (C)
21 A	0.5 mm (G gap)	 Pin plunger	SPDT	1.23 N {125 gf}	D3V-21G-1C4A
			SPDT-NC		—
			SPDT-NO		—
		 Short hinge lever	SPDT	1.23 N {125 gf}	D3V-21G1-1C4A
			SPDT-NC		—
			SPDT-NO		—
		 Hinge lever	SPDT	0.78 N {80 gf}	D3V-21G2-1C4A
			SPDT-NC		—
			SPDT-NO		—
		 Long hinge lever	SPDT	0.44 N {45 gf}	D3V-21G3-1C4A
			SPDT-NC		—
			SPDT-NO		—
		 Simulated roller lever	SPDT	0.83 N {85 gf}	D3V-21G4-1C4A
			SPDT-NC		—
			SPDT-NO		—
		 Short hinge roller lever	SPDT	1.42 N {145 gf}	D3V-21G5-1C4A
			SPDT-NC		—
			SPDT-NO		—
		 Hinge roller lever	SPDT	0.79 N {80 gf}	D3V-21G6-1C4A
			SPDT-NC		—
			SPDT-NO		—

Note. If you need mounting hole 2.9 mm, add "-K" at last of model.

Consult your OMRON sales representative when you can't find a model on this List of Models.

●16 A (OF: 1.96 N {200 gf})

Ratings	Contact gap	Actuators	Contact form	Terminals Maximum operating force (OF)	Solder terminals (A)	Quick-connect terminals (#187) (C2)	Quick-connect terminals (#250) (C)
16 A	1 mm (F gap)	 Pin plunger	SPDT	1.96 N {200 gf}	D3V-16-1A5	D3V-16-1C25	D3V-16-1C5
			SPDT-NC		D3V-16-2A5	D3V-16-2C25	D3V-16-2C5
			SPDT-NO		D3V-16-3A5	D3V-16-3C25	D3V-16-3C5
		 Short hinge lever	SPDT	1.96 N {200 gf}	D3V-161-1A5	D3V-161-1C25	D3V-161-1C5
			SPDT-NC		D3V-161-2A5	D3V-161-2C25	D3V-161-2C5
			SPDT-NO		D3V-161-3A5	D3V-161-3C25	D3V-161-3C5
		 Hinge lever	SPDT	1.23 N {125 gf}	D3V-162-1A5	D3V-162-1C25	D3V-162-1C5
			SPDT-NC		D3V-162-2A5	D3V-162-2C25	D3V-162-2C5
			SPDT-NO		D3V-162-3A5	D3V-162-3C25	D3V-162-3C5
		 Long hinge lever	SPDT	0.69 N {70 gf}	D3V-163-1A5	D3V-163-1C25	D3V-163-1C5
			SPDT-NC		D3V-163-2A5	D3V-163-2C25	D3V-163-2C5
			SPDT-NO		D3V-163-3A5	D3V-163-3C25	D3V-163-3C5
		 Simulated roller lever	SPDT	1.23 N {125 gf}	D3V-164-1A5	D3V-164-1C25	D3V-164-1C5
			SPDT-NC		D3V-164-2A5	D3V-164-2C25	D3V-164-2C5
			SPDT-NO		D3V-164-3A5	D3V-164-3C25	D3V-164-3C5
		 Short hinge roller lever	SPDT	2.35 N {240 gf}	D3V-165-1A5	D3V-165-1C25	D3V-165-1C5
			SPDT-NC		D3V-165-2A5	D3V-165-2C25	D3V-165-2C5
			SPDT-NO		D3V-165-3A5	D3V-165-3C25	D3V-165-3C5
		 Hinge roller lever	SPDT	1.23 N {125 gf}	D3V-166-1A5	D3V-166-1C25	D3V-166-1C5
			SPDT-NC		D3V-166-2A5	D3V-166-2C25	D3V-166-2C5
			SPDT-NO		D3V-166-3A5	D3V-166-3C25	D3V-166-3C5

Note. If you need mounting hole 2.9 mm, add "-K" at last of model.

Consult your OMRON sales representative when you can't find a model on this List of Models.

●11 A (OF: 1.96 N {200 gf})

Ratings	Contact gap	Actuators	Contact form	Terminals Maximum operating force (OF)	Solder terminals (A)	Quick-connect terminals (#187) (C2)	Quick-connect terminals (#250) (C)
11 A	1 mm (F gap)		SPDT	1.96N {200 gf}	D3V-11-1A5	D3V-11-1C25	D3V-11-1C5
			SPDT-NC		—	—	—
			SPDT-NO		—	—	—
			SPDT	1.96N {200 gf}	D3V-111-1A5	D3V-111-1C25	D3V-111-1C5
			SPDT-NC		—	—	—
			SPDT-NO		—	—	—
			SPDT	1.23N {125 gf}	D3V-112-1A5	D3V-112-1C25	D3V-112-1C5
			SPDT-NC		—	—	—
			SPDT-NO		—	—	—
			SPDT	0.69N {70 gf}	D3V-113-1A5	D3V-113-1C25	D3V-113-1C5
			SPDT-NC		—	—	—
			SPDT-NO		—	—	—
			SPDT	1.23N {125 gf}	D3V-114-1A5	D3V-114-1C25	D3V-114-1C5
			SPDT-NC		—	—	—
			SPDT-NO		—	—	—
			SPDT	2.35N {240 gf}	D3V-115-1A5	D3V-115-1C25	D3V-115-1C5
			SPDT-NC		—	—	—
			SPDT-NO		—	—	—
			SPDT	1.23N {125 gf}	D3V-116-1A5	D3V-116-1C25	D3V-116-1C5
			SPDT-NC		—	—	—
			SPDT-NO		—	—	—

Note. If you need mounting hole 2.9 mm, add "-K" at last of model.

Consult your OMRON sales representative when you can't find a model on this List of Models.

●11 A (OF: 0.98 N {100 gf})

Ratings	Contact gap	Actuators	Contact form	Terminals Maximum operating force (OF)	Solder terminals (A)	Quick-connect terminals (#187) (C2)	Quick-connect terminals (#250) (C)
11 A	1 mm (F gap)		SPDT	0.98N {100 gf}	D3V-11-1A4	D3V-11-1C24	D3V-11-1C4
			SPDT-NC		—	—	—
			SPDT-NO		—	—	—
			SPDT	0.98N {100 gf}	D3V-111-1A4	D3V-111-1C24	D3V-111-1C4
			SPDT-NC		—	—	—
			SPDT-NO		—	—	—
			SPDT	0.59N {60 gf}	D3V-112-1A4	D3V-112-1C24	D3V-112-1C4
			SPDT-NC		—	—	—
			SPDT-NO		—	—	—
			SPDT	0.34N {35 gf}	D3V-113-1A4	D3V-113-1C24	D3V-113-1C4
			SPDT-NC		—	—	—
			SPDT-NO		—	—	—
			SPDT	0.59N {60 gf}	D3V-114-1A4	D3V-114-1C24	D3V-114-1C4
			SPDT-NC		—	—	—
			SPDT-NO		—	—	—
			SPDT	1.18N {120 gf}	D3V-115-1A4	D3V-115-1C24	D3V-115-1C4
			SPDT-NC		—	—	—
			SPDT-NO		—	—	—
			SPDT	0.59N {60 gf}	D3V-116-1A4	D3V-116-1C24	D3V-116-1C4
			SPDT-NC		—	—	—
			SPDT-NO		—	—	—

Note. If you need mounting hole 2.9 mm, add "-K" at last of model.

Consult your OMRON sales representative when you can't find a model on this List of Models.

●6 A (OF: 0.98 N {100 gf})

Ratings	Contact gap	Actuators	Contact form	Terminals Maximum operating force (OF)	Solder terminals (A)	Quick-connect terminals (#187) (C2)	Quick-connect terminals (#250) (C)
6 A	1 mm (F gap)	 Pin plunger	SPDT	0.98 N {100 gf}	D3V-6-1A4	D3V-6-1C24	D3V-6-1C4
			SPDT-NC		—	—	—
			SPDT-NO		—	—	—
		 Short hinge lever	SPDT	0.98 N {100 gf}	D3V-61-1A4	D3V-61-1C24	D3V-61-1C4
			SPDT-NC		—	—	—
			SPDT-NO		—	—	—
		 Hinge lever	SPDT	0.59 N {60 gf}	D3V-62-1A4	D3V-62-1C24	D3V-62-1C4
			SPDT-NC		—	—	—
			SPDT-NO		—	—	—
		 Long hinge lever	SPDT	0.34 N {35 gf}	D3V-63-1A4	D3V-63-1C24	D3V-63-1C4
			SPDT-NC		—	—	—
			SPDT-NO		—	—	—
		 Simulated roller lever	SPDT	0.59 N {60 gf}	D3V-64-1A4	D3V-64-1C24	D3V-64-1C4
			SPDT-NC		—	—	—
			SPDT-NO		—	—	—
		 Short hinge roller lever	SPDT	1.18 N {120 gf}	D3V-65-1A4	D3V-65-1C24	D3V-65-1C4
			SPDT-NC		—	—	—
			SPDT-NO		—	—	—
		 Hinge roller lever	SPDT	0.59 N {60 gf}	D3V-66-1A4	D3V-66-1C24	D3V-66-1C4
			SPDT-NC		—	—	—
			SPDT-NO		—	—	—

●6 A (OF: 0.49 N {50 gf})

Ratings	Contact gap	Actuators	Contact form	Terminals Maximum operating force (OF)	Solder terminals (A)	Quick-connect terminals (#187) (C2)	Quick-connect terminals (#250) (C)
6 A	0.5 mm Ggap)	 Pin plunger	SPDT	0.49 N {50 gf}	D3V-6G-1A3	D3V-6G-1C23	D3V-6G-1C3
			SPDT-NC		—	—	—
			SPDT-NO		—	—	—
		 Short hinge lever	SPDT	0.49 N {50 gf}	D3V-6G1-1A3	D3V-6G1-1C23	D3V-6G1-1C3
			SPDT-NC		—	—	—
			SPDT-NO		—	—	—
		 Hinge lever	SPDT	0.59 N {60 gf}	D3V-6G2-1A3	D3V-6G2-1C23	D3V-6G2-1C3
			SPDT-NC		—	—	—
			SPDT-NO		—	—	—
		 Long hinge lever	SPDT	0.20 N {20 gf}	D3V-6G3-1A3	D3V-6G3-1C23	D3V-6G3-1C3
			SPDT-NC		—	—	—
			SPDT-NO		—	—	—
		 Simulated roller lever	SPDT	0.29 N {30 gf}	D3V-6G4-1A3	D3V-6G4-1C23	D3V-6G4-1C3
			SPDT-NC		—	—	—
			SPDT-NO		—	—	—
		 Short hinge roller lever	SPDT	0.59 N {60 gf}	D3V-6G5-1A3	D3V-6G5-1C23	D3V-6G5-1C3
			SPDT-NC		—	—	—
			SPDT-NO		—	—	—
		 Hinge roller lever	SPDT	0.29 N {30 gf}	D3V-6G6-1A3	D3V-6G6-1C23	D3V-6G6-1C3
			SPDT-NC		—	—	—
			SPDT-NO		—	—	—

Note. If you need mounting hole 2.9 mm, add "-K" at last of model.

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●0.1 A (OF: 0.49 N {50 gf})

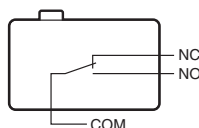
Ratings	Contact gap	Actuators	Contact form	Terminals Maximum operating force (OF)	Solder terminals (A)	Quick-connect terminals (#187) (C2)	Quick-connect terminals (#250) (C)
0.1 A	1 mm (F gap)	 Pin plunger	SPDT	0.49 N {50 gf}	D3V-01-1A3	D3V-01-1C23	D3V-01-1C3
			SPDT-NC		D3V-01-2A3	D3V-01-2C23	D3V-01-2C3
			SPDT-NO		D3V-01-3A3	D3V-01-3C23	D3V-01-3C3
		 Short hinge lever	SPDT	0.49 N {50 gf}	D3V-011-1A3	D3V-011-1C23	D3V-011-1C3
			SPDT-NC		D3V-011-2A3	D3V-011-2C23	D3V-011-2C3
			SPDT-NO		D3V-011-3A3	D3V-011-3C23	D3V-011-3C3
		 Hinge lever	SPDT	0.59 N {60 gf}	D3V-012-1A3	D3V-012-1C23	D3V-012-1C3
			SPDT-NC		D3V-012-2A3	D3V-012-2C23	D3V-012-2C3
			SPDT-NO		D3V-012-3A3	D3V-012-3C23	D3V-012-3C3
		 Long hinge lever	SPDT	0.20 N {20 gf}	D3V-013-1A3	D3V-013-1C23	D3V-013-1C3
			SPDT-NC		D3V-013-2A3	D3V-013-2C23	D3V-013-2C3
			SPDT-NO		D3V-013-3A3	D3V-013-3C23	D3V-013-3C3
		 Simulated roller lever	SPDT	0.29 N {30 gf}	D3V-014-1A3	D3V-014-1C23	D3V-014-1C3
			SPDT-NC		D3V-014-2A3	D3V-014-2C23	D3V-014-2C3
			SPDT-NO		D3V-014-3A3	D3V-014-3C23	D3V-014-3C3
		 Short hinge roller lever	SPDT	0.59 N {60 gf}	D3V-015-1A3	D3V-015-1C23	D3V-015-1C3
			SPDT-NC		D3V-015-2A3	D3V-015-2C23	D3V-015-2C3
			SPDT-NO		D3V-015-3A3	D3V-015-3C23	D3V-015-3C3
		 Hinge roller lever	SPDT	0.29 N {30 gf}	D3V-016-1A3	D3V-016-1C23	D3V-016-1C3
			SPDT-NC		D3V-016-2A3	D3V-016-2C23	D3V-016-2C3
			SPDT-NO		D3V-016-3A3	D3V-016-3C23	D3V-016-3C3

Note. If you need mounting hole 2.9 mm, add "-K" at last of model.

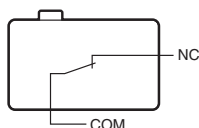
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Contact Form

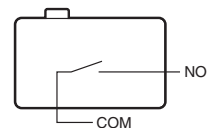
●SPDT



●SPST-NC



●SPST-NO



Contact Specifications

Item	Model	D3V-21	D3V-16	D3V-11	D3V-6	D3V-01
Contact	Specification	Rivet				Crossbar
	Material	Silver alloy				Gold alloy
	Gap (standard value)	0.5 mm	1.0 mm (F gap) or 0.5 mm (G gap)			1.0 mm
Inrush current	NC	50 A max.	40 A max.	24 A max.	15 A max.	---
	NO					
Minimum applicable load (see note)		160 mA at 5 VDC				1 mA at 5 VDC

Note. For more information on the minimum applicable load, refer to *Using Micro Loads* on page 11.