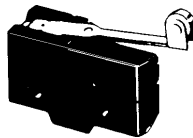


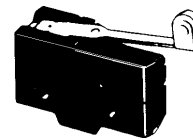


BASIC SWITCHES

GENERAL-PURPOSE



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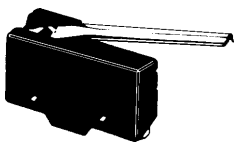


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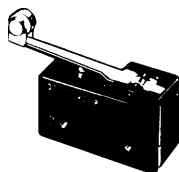
MODEL	Z-15G	Z-15H
<b>Description</b>	<b>General Purpose Basic Switch</b> High precision switch available in a variety of styles.	<b>General Purpose Basic Switch</b> High precision switch available in a variety of styles.
<b>Service Life</b>		
<b>Mechanical</b>	20 x 10 <sup>6</sup> min.	20 x 10 <sup>6</sup> min.
<b>Electrical</b>	500 x 10 <sup>3</sup> min.	500 x 10 <sup>3</sup> min.
<b>Mounting Pitch</b>	25.4 mm	25.4 mm
<b>Type of Actuator</b>	Pin plunger, Panel mount plunger, Panel mount roller plunger, Leaf spring, Roller leaf spring, Hinge lever, Hinge roller lever, Flexible rod	Pin plunger, Panel mount plunger, Panel mount roller plunger, Leaf spring, Roller leaf spring, Hinge lever, Hinge roller lever, Flexible rod
<b>Terminal Choices</b>	Solder Screw, or Quick connect (#250)	Solder Screw, or Quick connect (#250)
<b>Approved Standards</b>	UL, CSA, SEV	UL, CSA, SEV
<b>Contact Ratings</b>		
<b>Resistive Load</b>	0.5 A, 125 VDC	0.4 A, 125 VDC
<b>Operating Force (OF)*</b>	250 to 430 g	250 to 430 g

\*Note: These values are for pin plunger type only

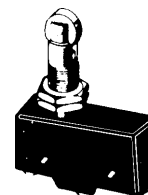
B A S I C   S W I T C H E S



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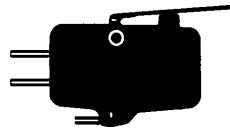


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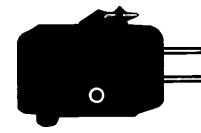
A	DZ	X
<p><b>General Purpose Basic Switch</b> High capacity switch handles loads with large inrush currents.</p>	<p><b>General Purpose Basic Switch</b> Double pole contact configuration.</p>	<p><b>General Purpose Basic Switch</b> Built-in permanent magnet effectively extinguishes the arc.</p>
<p>10 x 10<sup>6</sup> min. 500 x 10<sup>3</sup> min.</p>	<p>1 x 10<sup>6</sup> min. 500 x 10<sup>3</sup> min.</p>	<p>10 x 10<sup>6</sup> min. 100 x 10<sup>3</sup> min.</p>
<p>25.4 mm</p>	<p>25.4 mm</p>	<p>25.4 mm</p>
<p>Pin plunger, Panel mount plunger, Panel mount roller plunger, Leaf spring, Hinge lever, Hinge roller lever, Roller leaf spring</p>	<p>Pin plunger, Hinge lever, Hinge roller lever</p>	<p>Pin plunger, Panel mount plunger, Panel mount roller plunger, Leaf spring, Hinge lever, Hinge roller lever, Roller leaf spring</p>
<p>Solder, Screw Quick connect (#250)</p>	<p>Solder Screw</p>	<p>Solder Screw Quick connect (#250)</p>
<p>UL, CSA, SEV</p>	<p>UL, CSA</p>	<p>UL, CSA, SEV</p>
<p>20 A, 250 VAC</p>	<p>10 A, 250 VDC</p>	<p>15 A, 30 VDC</p>
<p>400 to 625 g</p>	<p>570 g</p>	<p>510 g</p>

BASIC SWITCHES

MINIATURE



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MODEL	V-15G	V-10G
<b>Description</b>	<b>Miniature Basic Switch</b> Breaks from 0.1 to 21 A.	<b>Miniature Basic Switch</b> Breaks from 0.1 to 21 A.
<b>Service Life</b>		
<b>Mechanical</b>	50 x 10 <sup>6</sup> min.	50 x 10 <sup>6</sup> min.
<b>Electrical</b>	300 x 10 <sup>3</sup> min.	300 x 10 <sup>3</sup> min.
<b>Mounting Pitch</b>	10.3 x 22.2 mm	10.3 x 22.2 mm
<b>Type of Actuator</b>	Pin plunger, Short hinge lever, Hinge lever, Long hinge lever, Simulated hinge lever, Short hinge roller lever, Hinge roller lever	Pin plunger, Short hinge lever, Hinge lever, Long hinge lever, Simulated hinge lever, Short hinge roller lever, Hinge roller lever
<b>Terminal Choices</b>	Solder/Quick connect (#187) Solder, Screw, Quick connect (#187) Quick connect (#250)	Solder/Quick connect (#187) Screw Quick connect (#250)
<b>Approved Standards</b>	UL, CSA, SEV, VDE, SEMKO, DENMARK	UL, CSA, SEV, VDE, SEMKO, DENMARK
<b>Contact Ratings</b>		
<b>Resistive Load</b>	15 A, 250 VAC	10 A, 250 VAC
<b>Operating Force (OF)*</b>	100 g, 200 g, or 400 g	100 g or 200 g

\*Note: These values are for pin plunger type only

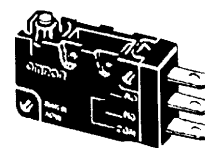
BASIC SWITCHES



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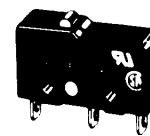
VX-5	VX-0.1	D2VW
<p><b>Miniature Basic Switch</b> Compact basic switch with low-force operation.</p>	<p><b>Miniature Basic Switch</b> Compact basic switch with low-force operation.</p>	<p><b>Sealed Basic Switch</b> Watertight-IP67.</p>
<p>10 x 10 x 10<sup>6</sup> min. 500 x 10<sup>3</sup> min.</p>	<p>10 x 10 x 10<sup>6</sup> min. 1 x 10<sup>6</sup> min.</p>	<p>10 x 10 x 10<sup>6</sup> min. 1 x 10<sup>6</sup> min. or 100 x 10<sup>3</sup> min.</p>
<p>10.3 x 22.2 mm</p>	<p>10.3 x 22.2 mm</p>	<p>10.3 x 22.2 mm</p>
<p>Pin plunger, Short hinge lever, Hinge lever, Long hinge lever, Simulated hinge lever, Short hinge roller lever, Hinge roller lever</p>	<p>Pin plunger, Short hinge lever, Hinge lever, Long hinge lever, Simulated hinge lever, Short hinge roller lever, Hinge roller lever</p>	<p>Pin plunger, Short hinge lever, Hinge lever, Long hinge lever, Simulated hinge lever, Hinge roller lever</p>
<p>Solder/Quick connect (#187) Quick connect (#187)</p>	<p>Solder/Quick connect (#187) Quick connect (#187)</p>	<p>Solder/Quick connect (#187) Lead wire</p>
<p>UL, CSA, VDE</p>	<p>UL, CSA, VDE</p>	<p>UL, CSA</p>
<p>5 A, 125 VAC</p>	<p>0.1 A, 125 VAC</p>	<p>0.1 A, 250 VAC or 5 A, 250 VAC</p>
<p>25 g or 50 g</p>	<p>25 g or 50 g</p>	<p>200 g</p>

BASIC SWITCHES

MINIATURE  
& SUBMINIATURE



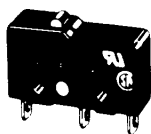
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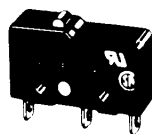
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MODEL	D2T	SS-01
<b>Description</b>	<b>Miniature Basic Switch</b> Incorporates circuits for power and low-level loads.	<b>Subminiature Basic Switch</b> Split double spring mechanism for a long life of up to 30 million operations. Sealed types available.
<b>Service Life</b>		
<b>Mechanical</b>	100,000 operations min.	30 x 10 <sup>6</sup> min.
<b>Electrical</b>	100,000 operations min.	200 x 10 <sup>3</sup> min.
<b>Mounting Pitch</b>	—	9.5 mm
<b>Type of Actuator</b>	Pin plunger, Hinge lever	Pin plunger, Hinge lever, Simulated hinge lever, Hinge roller lever
<b>Terminal Choices</b>	Solder Screw	Solder Quick connect (#1110) PC board
<b>Approved Standards</b>	UL, VDE, SEMKO	UL, CSA, VDE, SEMKO, SEV
<b>Contact Ratings</b>		
<b>Resistive Load</b>	—	0.1 A, 125 VAC
<b>Operating Force (OF)</b>	150 g or 330 g	25 g, 50 g, or 150 g

\*Note: These values are for pin plunger type only



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SS-5

**Subminiature Basic Switch**

Split double spring mechanism for a long life of up to 30 million operations. Sealed types available.

30 x 10<sup>6</sup> min.

200 x 10<sup>3</sup> min.

9.5 mm

Pin plunger, Hinge lever, Simulated hinge lever, Hinge roller lever

Solder  
Quick connect (#110)  
PC board

UL, CSA, VDE, SEMKO, SEV

5 A, 125 VAC

50 g or 100 g

SS-10

**Subminiature Basic Switch**

Split double spring mechanism for a long life of up to 30 million operations. Sealed types available.

10 x 10<sup>6</sup> min.

50 x 10<sup>3</sup> min.

9.5 mm

Pin plunger, Hinge lever, Simulated hinge lever, Hinge roller lever

Solder  
Quick connect (#110)  
PC board

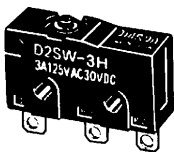
UL, CSA, VDE, SEMKO, SEV

10.1 A, 250 VAC

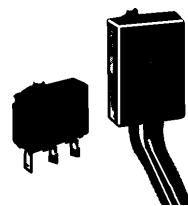
150 g

BASIC SWITCHES

SUBMINIATURE



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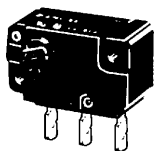


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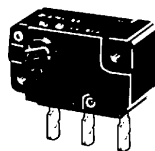
MODEL	D2SW	D2JW
<b>Description</b>	<b>Sealed Basic Switch</b> Watertight-IP67.	<b>Subminiature Basic Switch</b> Highly sealed, water-tight housing.
<b>Service Life</b>		
<b>Mechanical</b>	5 x 10 <sup>6</sup> min.	10 x 10 <sup>6</sup> min.
<b>Electrical</b>	200 x 10 <sup>3</sup> min.	10 x 10 <sup>4</sup> min.
<b>Mounting Pitch</b>	9.5 mm	4.8 mm
<b>Type of Actuator</b>	Pin plunger, Hinge lever, Simulated hinge lever, Hinge roller lever	Pin plunger, Hinge lever, Long hinge lever, Simulated hinge lever, Hinge roller lever
<b>Terminal Choices</b>	Solder Quick connect (#110) PC board Lead wire	Solder Molded lead Wire
<b>Approved Standards</b>	UL, CSA	—
<b>Contact Ratings</b>		
<b>Resistive Load</b>	0.1 A, 125 VAC or 3 A, 125 VAC	0.1 A, 30 VDC
<b>Operating Force (OF)*</b>	180 g	250 g

\*Note: These values are for pin plunger type only





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D2MC-5

**Low-torque Basic Switch**

Highly reliable, rotary-action switch for low torque operation.

10 x 10<sup>6</sup> min.

100 x 10<sup>3</sup> min.

8.7 x 23.8 mm

Low-force torque

Quick connect (#205)

UL, CSA

5 A, 250 VAC

5.1 g-cm, 7.6 g-cm, or 10.2 g-cm

D2MC-01

**Low-torque Basic Switch**

Highly reliable, rotary-action switch for low torque operation.

10 x 10<sup>6</sup> min.

100 x 10<sup>3</sup> min.

8.7 x 23.8 mm

Low-force torque

Quick connect (#205)

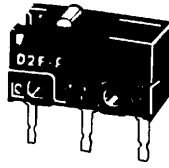
UL, CSA

0.5 A, 250 VAC

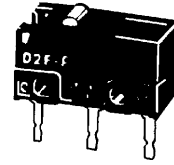
5.1 g-cm, 7.6 g-cm, or 10.2 g-cm

BASIC SWITCHES

SUBMINIATURE



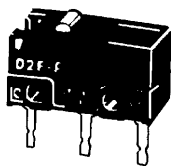
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<b>MODEL</b>	D2F Micro-voltage/current load	D2F Standard
<b>Description</b>	<b>Subminiature Basic Switch</b> Breaks from 0.1 A to 21 A.	<b>Subminiature Basic Switch</b> Long lifespan assured by high-precision dual spring reverse-action mechanism.
<b>Service Life</b>		
<b>Mechanical</b>	300 x 10 <sup>3</sup> min.	300 x 10 <sup>3</sup> min.
<b>Electrical</b>	30 x 10 <sup>3</sup> min.	30 x 10 <sup>3</sup> min.
<b>Mounting Pitch</b>	6.5 mm	6.5 mm
<b>Type of Actuator</b>	Pin plunger, Hinge lever	Pin plunger, Hinge lever
<b>Terminal Choices</b>	PC board	PC board
<b>Approved Standards</b>	—	—
<b>Contact Ratings</b>		
<b>Resistive Load</b>	0.1 A, 30 VDC	3 A, 125 VAC
<b>Operating Force (OF)*</b>	75 g	150 g

\*Note: These values are for pin plunger type only



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D2F Low-force

D2MQ

**Subminiature Basic Switch**

Long lifespan assured by high-precision dual spring reverse-action mechanism.

**Subminiature Basic Switch**

Silver plated or gold plated. Ultra-small size switch.

300 x 10<sup>3</sup> min.

30 x 10<sup>3</sup> min.

30 x 10<sup>3</sup> min.

10 x 10<sup>3</sup> min.

6.5 mm

4.0 mm

Pin plunger, Hinge lever

Pin plunger, Leaf spring

PC board

PC board

—

—

1 A, 125 VAC

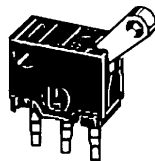
0.5 A, 30 VDC or 50 mA, 30 VDC

75 g

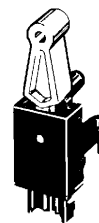
120 g

BASIC SWITCHES

SPECIAL-PURPOSE

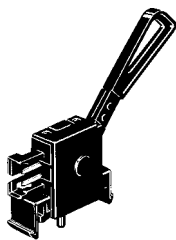


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MODEL	D3C	D2X
<b>Description</b>	<b>Low-torque Basic Switch</b> Built-in slide mechanism for selecting shorting or non-shorting timing of switch.	<b>Special-purpose Basic Switch</b> High contact force and wiping action for greater contact reliability.
<b>Service Life</b>		
<b>Mechanical</b>	50 x 10 <sup>3</sup> min.	1 x 10 <sup>6</sup> min.
<b>Electrical</b>	50 x 10 <sup>3</sup> min.	50 x 10 <sup>3</sup> min.
<b>Mounting Pitch</b>	5.7 x 4.6 mm	12.2 mm
<b>Type of Actuator</b>	Hinge lever	Bi-directional paddle
<b>Terminal Choices</b>	PC board	Quick connect (Dipole type)
<b>Approved Standards</b>	—	—
<b>Contact Ratings</b>		
<b>Resistive Load</b>	0.1 A, 30 VDC	0.1 A, 30 VDC
<b>Operating Force (OF)</b>	40 g or 130 g	50 g



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D3K

**Special-purpose Detection Switch**

Detects cards and paper sheets with a 3 gram operating force.

2 x 10<sup>6</sup> min.

2 x 10<sup>6</sup> min.

27.35 mm

Paddle lever

Quick connect (Dipole type)

----

10 mA, 12 VAC

3 g

D2D

**Special-purpose Basic Switch**

Interlock switch, minimum contact gap: 3 mm.

10 x 10<sup>6</sup> min.

100 x 10<sup>3</sup> min.

22 mm

Pin plunger

Quick connect (#250)

UL, CSA, VDE, SEMKO

16 A, 250 VAC

2000 g, 300 g, or 200 g  
(value for pin plunger type)