## Miniature Basic Switch D3V

## Reliable Basic Switch with External Lever

- Available by $0.1 \mathrm{~A}, 6 \mathrm{~A}, 11 \mathrm{~A}, 16 \mathrm{~A}$ and 21 A models, all with self-cleaning contacts. 0.1 A utilizes gold alloy crossbar contacts for high reliability at low loads.
- Available with internally or externally fitted levers, and 2 fixing positions for external levers.
- Conforms to EN61058-1 UL1054.
- Right-angle plunger option available in some models.
- RoHS Compliant.



## Ordering Information

Model Number Legend

D3V- $\frac{\square}{1} \frac{\square}{2} \frac{\square}{4}-\frac{\square}{5}-\frac{\square}{7}-\frac{\square}{8}=\frac{\square}{9}$

1. Ratings

21: 20 (4) A at 250 VAC
16: 16 (3) A at 250 VAC
11: 11 (3) A at 250 VAC
6: $\quad 6$ (2) A at 250 VAC
01: 0.1 A at 125 VAC
2. Contact Gap

None: 1 mm (F gap)
G: $\quad 0.5 \mathrm{~mm}$ (G gap)
3. Actuator

None: Pin plunger
1: Short hinge lever
2: Hinge lever
3: Long hinge lever
4: $\quad$ Simulated roller lever
5: $\quad$ Short hinge roller lever
6: Hinge roller lever
4. Hinge Position

None: Internal/Far from plunger
M: External/Far from plunger
K: External/Near plunger
5. Contact Form

1: SPDT
2: SPST-NC
3: SPST-NO
6. Terminals

A: Solder/quick-connect terminal (\#187)
C2: Quick-connect terminal (\#187)
C: Quick-connect terminal (\#250) (optional without surge creepage tab flush around terminals.)
7. Maximum Operating Force

5: $\quad 1.96 \mathrm{~N}\{200 \mathrm{gf}\}$
4A: $\quad 1.23 \mathrm{~N}\{125 \mathrm{gf}\}$
4: $\quad 0.98 \mathrm{~N}\{100 \mathrm{~g}\}$
3: $\quad 0.49 \mathrm{~N}\{50 \mathrm{gf}\}$
2: $\quad 0.25 \mathrm{~N}\{25 \mathrm{gf}\}$
Note: These values are for the plunger models.
8. Mounting Hole Size

None: 3.1 mm
K: $\quad 2.9 \mathrm{~mm}$
9. Special Code

None: Standard
$\mathrm{H}: \quad$ High temperature $\left(125^{\circ} \mathrm{C}\right)$
E: Special rating: 21 (8) A
T: High temperature $\left(200^{\circ} \mathrm{C}\right)$

## Available Combinations

| Heat resistance | $\begin{array}{r} \text { Model } \\ \text { Rated current } \\ \text { OF } \\ \text { Contact } \\ \text { Terminals } \end{array}$ | $\begin{array}{\|c\|} \hline \text { D3V-21 } \\ \hline 21 \mathrm{~A} \\ \hline \begin{array}{c} 1.23 \mathrm{~N} \\ \{125 \mathrm{gf}\} \end{array} \\ \hline \end{array}$ | D3V-16 |  |  | D3V-11 |  |  |  |  | D3V-6 |  |  |  | D3V-01 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 16 A |  |  | 11 A |  |  |  |  | 6 A |  |  |  | 0.1 A |  |
|  |  |  | $\begin{gathered} 1.96 \mathrm{~N} \\ \{200 \mathrm{gf}\} \end{gathered}$ |  | $\begin{gathered} 0.98 \mathrm{~N} \\ \{100 \mathrm{gf}\} \end{gathered}$ | $\begin{gathered} 1.96 \mathrm{~N} \\ \{200 \mathrm{gf}\} \end{gathered}$ |  | $\begin{gathered} 0.98 \mathrm{~N} \\ \{100 \mathrm{gf}\} \end{gathered}$ |  | $\begin{aligned} & 0.49 \mathrm{~N} \\ & \{50 \mathrm{gf}\} \end{aligned}$ | $\begin{gathered} 1.96 \mathrm{~N} \\ \{200 \mathrm{gf}\} \end{gathered}$ | $\begin{gathered} 0.98 \mathrm{~N} \\ \{100 \mathrm{gf}\} \end{gathered}$ |  | $\begin{aligned} & 0.49 \mathrm{~N} \\ & \{50 \mathrm{gf}\} \end{aligned}$ | $\left\|\begin{array}{c} 0.49 \mathrm{~N} \\ \{50 \mathrm{gf}\} \end{array}\right\|$ | $\left\lvert\, \begin{gathered} 0.25 \mathrm{~N} \\ \{25 \mathrm{gf}\} \end{gathered}\right.$ |
|  |  | $\begin{gathered} \mathrm{G} \\ 0.5 \mathrm{~mm} \end{gathered}$ | $\begin{gathered} F \\ 1 \mathrm{~mm} \end{gathered}$ | $\begin{gathered} \mathrm{G} \\ 0.5 \mathrm{~mm} \end{gathered}$ | $\begin{array}{\|c} \text { F/G } \\ 1 \mathrm{~mm} \text { or } \\ 0.5 \mathrm{~mm} \end{array}$ | $\begin{gathered} \mathrm{F} \\ 1 \mathrm{~mm} \end{gathered}$ | $\begin{gathered} G \\ 0.5 \mathrm{~mm} \end{gathered}$ | $\begin{gathered} \mathrm{F} \\ 1 \mathrm{~mm} \end{gathered}$ | $\begin{gathered} \mathrm{G} \\ 0.5 \\ \mathrm{~mm} \end{gathered}$ | $\underset{0.5 \mathrm{~mm}}{\mathrm{G}}$ | $\begin{array}{\|c} \text { F/G } \\ 1 \mathrm{~mm} \text { or } \\ 0.5 \mathrm{~mm} \end{array}$ | $\begin{gathered} \mathrm{F} \\ 1 \mathrm{~mm} \end{gathered}$ | $\begin{gathered} G \\ 0.5 \\ \mathrm{~mm} \end{gathered}$ | $\begin{gathered} \mathrm{G} \\ 0.5 \mathrm{~mm} \end{gathered}$ | $\begin{gathered} \mathrm{F} \\ 1 \mathrm{~mm} \end{gathered}$ | $\begin{gathered} \text { F } \\ 1 \text { mm } \end{gathered}$ |
| $\begin{aligned} & \text { Standard } \\ & \left(85^{\circ} \mathrm{C}\right) \end{aligned}$ | \#187 |  |  |  |  |  |  |  |  |  |  |  |  |  | - | - |
|  | \#250 | $\bullet$ |  |  |  |  |  |  |  |  |  |  |  |  | $\bigcirc$ | $\bigcirc$ |
| Standard $\left(105^{\circ} \mathrm{C}\right)$ | \#187 |  | - | $\bigcirc$ | $\bigcirc$ | $\bullet$ | O | - | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bullet$ | $\bigcirc$ | - |  |  |
|  | \#250 |  | - | $\bigcirc$ | $\bigcirc$ | - | $\bigcirc$ | $\bullet$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | - | $\bigcirc$ | - |  |  |
| High temperature $\left(125^{\circ} \mathrm{C}\right)$ | \#187 |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | O | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |  |  |
|  | \#250 |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | O | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |  |  |
| High temperature $\left(200^{\circ} \mathrm{C}\right)$ | \#187 |  |  |  |  |  |  |  |  |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
|  | \#250 |  |  |  |  |  |  |  |  |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |

Note: 1. : Standard
O: Semi-standard
2. Consult OMRON for specific models with standard approval.

## List of Models

## 21 A (OF: $1.23 \mathrm{~N}\{125 \mathrm{gf}\})$

| Actuator | Hinge position (far from plunger) | Contact form |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | SPDT | SPST-NC | SPST-NO |
| Plunger _ | --- | D3V-21G-1 $\square$ 4A- $\triangle$ | D3V-21G-2 $\square 4 \mathrm{~A}-\triangle$ | D3V-21G-3■4A- $\triangle$ |
| Short hinge lever | Internal | D3V-21G1-1 $\square$ 4A- $\triangle$ | D3V-21G1-2 $\square$ 4A- $\triangle$ | D3V-21G1-3 $\square$ 4A- $\Delta$ |
|  | External (M) | D3V-21G1M-1■4A- $\Delta$ | D3V-21G1M-2■4A- $\Delta$ | D3V-21G1M-3 $\square$ 4A- $\Delta$ |
| Hinge lever | Internal | D3V-21G2-1 $\square$ 4A- $\triangle$ | D3V-21G2-2 $\square$ 4A- $\triangle$ | D3V-21G2-3 $\square$ 4A- $\triangle$ |
|  | External (M) | D3V-21G2M-1■4A- $\Delta$ | D3V-21G2M-2■4A- $\Delta$ | D3V-21G2M-3 $\square$ 4A- $\Delta$ |
| Long hinge lever | Internal | D3V-21G3-1 $\square$ 4A- $\triangle$ | D3V-21G3-2 $\square$ 4A- $\triangle$ | D3V-21G3-3 $\square$ 4A- $\triangle$ |
|  | External (M) | D3V-21G3M-1■4A- $\triangle$ | D3V-21G3M-2■4A- $\triangle$ | D3V-21G3M-3 $\square$ 4A- $\Delta$ |
| Simulated roller lever | Internal | D3V-21G4-1 $\square$ 4A- $\triangle$ | D3V-21G4-2 $\square$ 4A- $\triangle$ | D3V-21G4-3 $\square$ 4A- $\triangle$ |
|  | External (M) | D3V-21G4M-1■4A- $\Delta$ | D3V-21G4M-2■4A- $\Delta$ | D3V-21G4M-3■4A- $\triangle$ |
| Short hinge roller lever Q | Internal | D3V-21G5-1 $\square$ 4A- $\triangle$ | D3V-21G5-2 $\square$ 4A- $\triangle$ | D3V-21G5-3 $\square$ 4A- $\triangle$ |
|  | External (M) | D3V-21G5M-1 $\square$ 4A- $\triangle$ | D3V-21G5M-2 $\square$ 4A- $\triangle$ | D3V-21G5M-3 $\square 4 \mathrm{~A}-\triangle$ |
| Hinge roller lever | Internal | D3V-21G6-1 $\square$ 4A- $\triangle$ | D3V-21G6-2 $\square$ 4A- $\triangle$ | D3V-21G6-3 $\square$ 4A- $\triangle$ |
|  | External (M) | D3V-21G6M-1 $\square$ 4A- $\triangle$ | D3V-21G6M-2 $\square 4 \mathrm{~A}-\Delta$ | D3V-21G6M-3 $\square 4 \mathrm{~A}-\Delta$ |

## 16 A (OF: $1.96 \mathrm{~N}\{200 \mathrm{gf}\})$

| Actuator | Hinge position (far from plunger) | Contact form |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | SPDT | SPST-NC | SPST-NO |
| Plunger _- | --- | D3V-16-1■5- $\triangle$ | D3V-16-2■5- $\triangle$ | D3V-16-3■5- $\triangle$ |
| Short hinge lever | Internal | D3V-161-1■5- $\triangle$ | D3V-161-2 $\square 5-\Delta$ | D3V-161-3 $\square 5-\Delta$ |
|  | External (M) | D3V-161M-1 $\square$ - $\Delta$ | D3V-161M-2 $\square 5-\Delta$ | D3V-161M-3■5- $\triangle$ |
| Hinge lever | Internal | D3V-162-1 $\square 5-\Delta$ | D3V-162-2 $\square 5-\Delta$ | D3V-162-3 $\square 5-\Delta$ |
|  | External (M) | D3V-162M-1 $\square$ 5- $\Delta$ | D3V-162M-2 $\square$ 5- - | D3V-162M-3■5-4 |
| Long hinge lever | Internal | D3V-163-1 $\square 5-\Delta$ | D3V-163-2 $\square 5-\Delta$ | D3V-163-3 $\square 5-\Delta$ |
|  | External (M) | D3V-163M-1 $\square 5-\Delta$ | D3V-163M-2 $\square 5-\Delta$ | D3V-163M-3■5- $\triangle$ |
| Simulated roller lever | Internal | D3V-164-1 $\square 5-\Delta$ | D3V-164-2 $\square 5-\Delta$ | D3V-164-3 $\square 5-\Delta$ |
|  | External (M) | D3V-164M-1■5- $\triangle$ | D3V-164M-2 $\square 5-\Delta$ | D3V-164M-3■5- $\triangle$ |
| Short hinge roller lever | Internal | D3V-165-1 $\square 5-\Delta$ | D3V-165-2 $\square$ 5- $\triangle$ | D3V-165-3 $\square 5-\triangle$ |
|  | External (M) | D3V-165M-1■5- $\triangle$ | D3V-165M-2 $\square 5-\Delta$ | D3V-165M-3 $\square 5-\Delta$ |
| Hinge roller lever | Internal | D3V-166-1 $\square 5-\Delta$ | D3V-166-2 $\square 5-\Delta$ | D3V-166-3 $\square 5-\triangle$ |
|  | External (M) |  | D3V-166M-2 $\square 5-\Delta$ | D3V-166M-3■5- ${ }^{\text {d }}$ |

Note: The $\square$ in the model number is for the terminal code.
A: Solder/quick-connect terminals (\#187)
C2: Quick-connect terminals (\#187)
C: Quick-connect terminals (\#250)
The $\Delta$ in the model number is for the mounting hole size.
None: 3.1 mm
K: $\quad 2.9 \mathrm{~mm}$

## 16 A (OF: $0.98 \mathrm{~N}\{100 \mathrm{gf}\})$

| Actuator | Hinge position (far from plunger) | Contact form |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | SPDT | SPST-NC | SPST-NO |
| Plunger - | --- | D3V-16-1■4- $\Delta$ | D3V-16-2 $\square 4-\Delta$ | D3V-16-3 $\square$ 4- $\triangle$ |
| Short hinge lever | Internal | D3V-161-1 $\square$ 4- $\triangle$ | D3V-161-2 $\square$ 4- $\Delta$ | D3V-161-3 $\square$ 4- $\Delta$ |
|  | External (M) | D3V-161M-1 $\square$ 4- $\Delta$ | D3V-161M-2 $\square$ 4- $\Delta$ | D3V-161M-3 $\square$ 4- $\triangle$ |
| Hinge lever | Internal | D3V-162-1 $\square$ 4- $\triangle$ | D3V-162-2 $\square$ 4- $\triangle$ | D3V-162-3 $\square$ 4- $\triangle$ |
|  | External (M) | D3V-162M-1■4- $\triangle$ | D3V-162M-2 $\square$ 4- $\Delta$ | D3V-162M-3 $\square 4-\Delta$ |
| Long hinge lever | Internal | D3V-163-1 $\square 4-\triangle$ | D3V-163-2 $\square$ 4- $\triangle$ | D3V-163-3■4- $\triangle$ |
|  | External (M) | D3V-163M-1 $\square 4-\Delta$ | D3V-163M-2 $\square$ 4- $\Delta$ | D3V-163M-3■4- $\triangle$ |
| Simulated roller lever | Internal | D3V-164-1 $\square$ 4- $\triangle$ | D3V-164-2■4- $\triangle$ | D3V-164-3■4- $\triangle$ |
|  | External (M) | D3V-164M-1 $\square$ 4- $\Delta$ | D3V-164M-2■4- ${ }^{\text {d }}$ | D3V-164M-3■4- $\triangle$ |
| Short hinge roller lever | Internal | D3V-165-1 $\square$ 4- $\triangle$ | D3V-165-2■4- $\triangle$ | D3V-165-3■4- $\triangle$ |
|  | External (M) | D3V-165M-1 $\square$ 4- $\Delta$ | D3V-165M-2 $\square 4-\Delta$ | D3V-165M-3 $\square 4-\Delta$ |
| Hinge roller lever | Internal | D3V-166-1 $\square 4-\Delta$ | D3V-166-2 $\square$ 4- $\triangle$ | D3V-166-3 $\square$ 4- $\triangle$ |
|  | External (M) | D3V-166M-1 $\square 4-\Delta$ | D3V-166M-2■4- ${ }^{\text {d }}$ | D3V-166M-3■4- ${ }^{\text {d }}$ |

## 11 A (OF: $1.96 \mathrm{~N}\{200 \mathrm{gf}\})$

| Actuator | Hinge position (far from plunger) | Contact form |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | SPDT | SPST-NC | SPST-NO |
| Plunger | --- | D3V-11-1 $\square 5-\Delta$ | D3V-11-2 $\square 5-\Delta$ | D3V-11-3 $\square 5-\Delta$ |
| Short hinge lever | Internal | D3V-111-1 $\square 5-\Delta$ | D3V-111-2 $\square 5-\Delta$ | D3V-111-3 $\square 5-\Delta$ |
|  | External (M) | D3V-111M-1 $\square 5-\Delta$ | D3V-111M-2 $\square 5-\Delta$ | D3V-111M-3 $\square 5-\Delta$ |
| Hinge lever | Internal | D3V-112-1 $\square 5-\Delta$ | D3V-112-2 $\square 5-\Delta$ | D3V-112-3 $\square 5-\Delta$ |
|  | External (M) | D3V-112M-1 $\square 5-\Delta$ | D3V-112M-2 $\square 5-\Delta$ | D3V-112M-3 $\square 5-\Delta$ |
| Long hinge lever | Internal | D3V-113-1 $\square 5-\Delta$ | D3V-113-2 $\square 5-\Delta$ | D3V-113-3 $\square 5-\Delta$ |
|  | External (M) | D3V-113M-1 $\square 5-\Delta$ | D3V-113M-2 $\square 5-\Delta$ | D3V-113M-3 $\square 5-\Delta$ |
| Simulated roller lever | Internal | D3V-114-1 $\square 5-\Delta$ | D3V-114-2 $\square 5-\Delta$ | D3V-114-3 $\square 5-\Delta$ |
|  | External (M) | D3V-114M-1 $\square 5-\Delta$ | D3V-114M-2 $\square 5-\Delta$ | D3V-114M-3 $\square 5-\Delta$ |
| Short hinge roller lever | Internal | D3V-115-1 $\square 5-\Delta$ | D3V-115-2 $\square 5-\Delta$ | D3V-115-3 $\square 5-\Delta$ |
|  | External (M) | D3V-115M-1 $\square 5-\Delta$ | D3V-115M-2 $\square 5-\Delta$ | D3V-115M-3 $\square 5-\Delta$ |
| Hinge roller lever | Internal | D3V-116-1 $\square 5-\Delta$ | D3V-116-2 $\square 5-\Delta$ | D3V-116-3 $\square 5-\Delta$ |
|  | External (M) | D3V-116M-1 $\square 5-\Delta$ | D3V-116M-2 $\square 5-\Delta$ | D3V-116M-3 $\square 5-\Delta$ |

Note: The $\square$ in the model number is for the terminal code.
A: $\quad$ Solder/quick-connect terminals (\#187)
C2: Quick-connect terminals (\#187)
C: Quick-connect terminals (\#250)
The $\Delta$ in the model number is for the mounting hole size.
None: 3.1 mm
K: $\quad 2.9 \mathrm{~mm}$

## 11 A (OF: $0.98 \mathrm{~N}\{100 \mathrm{gf}\})$

| Actuator | Hinge position (far from plunger) | Contact form |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | SPDT | SPST-NC | SPST-NO |
| Plunger _ـ_ | --- | D3V-11-1 $\square$ 4- $\Delta$ | D3V-11-2 $\square$ 4- $\Delta$ | D3V-11-3 $\square$ 4- $\Delta$ |
| Short hinge lever | Internal | D3V-111-1 $\square 4-\Delta$ | D3V-111-2 $\square$ 4- $\Delta$ | D3V-111-3 $\square 4-\Delta$ |
|  | External (M) | D3V-111M-1 $\square 4-\Delta$ | D3V-111M-2 $\square 4-\Delta$ | D3V-111M-3 $\square 4-\Delta$ |
| Hinge lever | Internal | D3V-112-1 $\square 4-\Delta$ | D3V-112-2 $\square 4-\Delta$ | D3V-112-3 $\square 4-\Delta$ |
|  | External (M) | D3V-112M-1 $\square$ 4- $\Delta$ | D3V-112M-2 $\square 4-\Delta$ | D3V-112M-3 $\square 4-\Delta$ |
| Long hinge lever | Internal | D3V-113-1 $\square 4-\Delta$ | D3V-113-2 $\square$ 4- $\Delta$ | D3V-113-3 $\square 4-\Delta$ |
|  | External (M) | D3V-113M-1 $\square 4-\Delta$ | D3V-113M-2 $\square 4-\Delta$ | D3V-113M-3 $\square 4-\Delta$ |
| Simulated roller lever | Internal | D3V-114-1 $\square 4-\Delta$ | D3V-114-2 $\square$ 4- $\Delta$ | D3V-114-3 $\square 4-\Delta$ |
|  | External (M) | D3V-114M-1 $\square$ 4- $\Delta$ | D3V-114M-2 $\square 4-\Delta$ | D3V-114M-3 $\square 4-\Delta$ |
| Short hinge roller lever | Internal | D3V-115-1 $\square$ 4- $\Delta$ | D3V-115-2 $\square$ 4- $\Delta$ | D3V-115-3 $\square 4-\Delta$ |
|  | External (M) | D3V-115M-1 $\square$ 4- $\Delta$ | D3V-115M-2 $\square 4-\Delta$ | D3V-115M-3 $\square 4-\Delta$ |
| Hinge roller lever | Internal | D3V-116-1 $\square$ 4- $\Delta$ | D3V-116-2 $\square$ 4- $\Delta$ | D3V-116-3 $\square$ 4- $\Delta$ |
|  | External (M) | D3V-116M-1 $\square$ 4- $\Delta$ | D3V-116M-2 $\square 4-\Delta$ | D3V-116M-3 $\square 4-\Delta$ |

## 11 A (OF: $0.49 \mathrm{~N}\{50 \mathrm{gf}\}$ )

| Actuator | Hinge position (far from plunger) | Contact form |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | SPDT | SPST-NC | SPST-NO |
| Plunger | -- | D3V-11G-1 $\square 3-\Delta$ | D3V-11G-2 $\square$ 4- $\Delta$ | D3V-11G-3 $\square 3-\Delta$ |
| Short hinge lever | Internal | D3V-11G1-1 $\square 3-\Delta$ | D3V-11G1-2 $\square$ 4- $\Delta$ | D3V-11G1-3 $\square 3-\Delta$ |
|  | External (M) | D3V-11G1M-1 $\square$ 3- $\Delta$ | D3V-11G1M-2 $\square 3-\Delta$ | D3V-11G1M-3 $\square 3-\Delta$ |
| Hinge lever | Internal | D3V-11G2-1 $\square 3-\Delta$ | D3V-11G2-2 $\square 3-\Delta$ | D3V-11G2-3 $\square 3-\Delta$ |
|  | External (M) | D3V-11G2M-1 $\square$ 3- $\Delta$ | D3V-11G2M-2 $\square$ 3- $\Delta$ | D3V-11G2M-3 $\square$ 3- $\Delta$ |
| Long hinge lever | Internal | D3V-11G3-1 $\square 3-\Delta$ | D3V-11G3-2 $\square 3-\Delta$ | D3V-11G3-3 $\square 3-\Delta$ |
|  | External (M) | D3V-11G3M-1 $\square 3-\Delta$ | D3V-11G3M-2 $\square$ 3- $\Delta$ | D3V-11G3M-3 $\square 3-\Delta$ |
| Simulated roller lever | Internal | D3V-11G4-1 $\square 3-\Delta$ | D3V-11G4-2 $\square 3-\Delta$ | D3V-11G4-3 $\square 3-\Delta$ |
|  | External (M) | D3V-11G4M-1 $\square$ 3- $\Delta$ | D3V-11G4M-2 $\square 3-\Delta$ | D3V-11G4M-3 $\square$ 3- $\Delta$ |
| Short hinge roller lever $Q$ | Internal | D3V-11G5-1 $\square 3-\Delta$ | D3V-11G5-2 $\square 3-\Delta$ | D3V-11G5-3 $\square 3-\Delta$ |
|  | External (M) | D3V-11G5M-1 $\square$ 3- $\Delta$ | D3V-11G5M-2 $\square 3-\Delta$ | D3V-11G5M-3 $\square 3-\Delta$ |
| Hinge roller lever | Internal | D3V-11G6-1 $\square 3-\Delta$ | D3V-11G6-2 $\square 3-\Delta$ | D3V-11G6-3 $\square 3-\Delta$ |
|  | External (M) | D3V-11G6M-1 $\square 3-\Delta$ | D3V-11G6M-2 $\square 3-\Delta$ | D3V-11G6M-3 $\square 3-\Delta$ |

Note: The $\square$ in the model number is for the terminal code.
A: Solder/quick-connect terminals (\#187)
C2: Quick-connect terminals (\#187)
C: Quick-connect terminals (\#250)
The $\Delta$ in the model number is for the mounting hole size.
None: 3.1 mm
$\mathrm{K}: \quad 2.9 \mathrm{~mm}$

## 6 A (OF: $0.98 \mathrm{~N}\{100 \mathrm{gff}\})$

| Actuator | Hinge position (far from plunger) | Contact form |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | SPDT | SPST-NC | SPST-NO |
| Plunger - | --- | D3V-6-1 $\square$ 4- ${ }^{\text {d }}$ | D3V-6-2■4- $\triangle$ | D3V-6-3 $\square$ 4- $\triangle$ |
| Short hinge lever | Internal | D3V-61-1 $\square 4$ - $\Delta$ | D3V-61-2 $\square 4-\Delta$ | D3V-61-3 $\square 4-\Delta$ |
|  | External (M) | D3V-61M-1■4- $\triangle$ | D3V-61M-2 $\square$ 4- $\Delta$ | D3V-61M-3 $\square$ 4- $\triangle$ |
| Hinge lever | Internal | D3V-62-1 $\square$ 4- $\triangle$ | D3V-62-2■4- $\Delta$ | D3V-62-3■4- $\triangle$ |
|  | External (M) | D3V-62M-1 $\square 4-\Delta$ | D3V-62M-2 $\square$ 4- $\Delta$ | D3V-62M-3 $\square$ 4- $\Delta$ |
| Long hinge lever | Internal | D3V-63-1 $\square 4$ - $\Delta$ | D3V-63-2 $\square 4-\Delta$ | D3V-63-3 $\square 4-\Delta$ |
|  | External (M) | D3V-63M-1 $\square$ 4- ${ }^{\text {d }}$ | D3V-63M-2 $\square$ 4- $\Delta$ | D3V-63M-3 $\square$ 4- $\triangle$ |
| Simulated roller lever | Internal | D3V-64-1 $\square$ 4- $\Delta$ | D3V-64-2 $\square 4-\Delta$ | D3V-64-3 $\square$ 4- $\Delta$ |
|  | External (M) | D3V-64M-1 $\square 4-\Delta$ | D3V-64M-2 $\square$ 4- $\Delta$ | D3V-64M-3 $\square$ 4- $\Delta$ |
| Short hinge roller lever | Internal | D3V-65-1 $\square$ 4- $\Delta$ | D3V-65-2 $\square 4-\Delta$ | D3V-65-3■4- $\Delta$ |
|  | External (M) | D3V-65M-1 $\square$ 4- ${ }^{\text {d }}$ | D3V-65M-2■4- ${ }^{\text {d }}$ | D3V-65M-3 $\square$ 4- $\triangle$ |
| Hinge roller lever | Internal | D3V-66-1 $\square$ 4- $\Delta$ | D3V-66-2 $\square 4-\Delta$ | D3V-66-3 $\square$ 4- $\Delta$ |
|  | External (M) | D3V-66M-1■4- ${ }^{\text {d }}$ | D3V-66M-2■4- ${ }^{\text {a }}$ | D3V-66M-3■4- ${ }^{\text {a }}$ |

## 6 A (OF: $0.49 \mathrm{~N}\{50 \mathrm{gf}\})$

| Actuator | Hinge position <br> (far from plunger) | Contact form |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | SPDT | SPST-NC | SPST-NO |
| Plunger - | --- | D3V-6G-1 $\square 3-\Delta$ | D3V-6G-2 $\square 3-\Delta$ | D3V-6G-3 $\square 3-\Delta$ |
| Short hinge lever | Internal | D3V-6G1-1 $\square 3-\Delta$ | D3V-6G1-2 $\square 3-\Delta$ | D3V-6G1-3 $\square$ 3- ${ }^{\text {d }}$ |
|  | External (M) | D3V-6G1M-1 $\square 3-\Delta$ | D3V-6G1M-2 $\square 3-\Delta$ | D3V-6G1M-3 $\square 3-\Delta$ |
| Hinge lever | Internal | D3V-6G2-1 $\square 3-\Delta$ | D3V-6G2-2■3- $\triangle$ | D3V-6G2-3 $\square 3-\Delta$ |
|  | External (M) | D3V-6G2M-1 $\square 3-\Delta$ | D3V-6G2M-2 $\square 3-\Delta$ | D3V-6G2M-3 $\square$ 3- $\Delta$ |
| Long hinge lever | Internal | D3V-6G3-1 $\square 3-\Delta$ | D3V-6G3-2 $\square 3-\Delta$ | D3V-6G3-3 $\square 3-\Delta$ |
|  | External (M) | D3V-6G3M-1■3- $\triangle$ | D3V-6G3M-2■3-4 | D3V-6G3M-3 $\square 3-\Delta$ |
| Simulated roller lever | Internal | D3V-6G4-1 $\square 3-\Delta$ | D3V-6G4-2■3- $\triangle$ | D3V-6G4-3 $\square 3-\Delta$ |
|  | External (M) | D3V-6G4M-1 $\square 3-\Delta$ | D3V-6G4M-2 $\square 3-\Delta$ | D3V-6G4M-3 $\square 3-\Delta$ |
| Short hinge roller lever Q | Internal | D3V-6G5-1 $\square 3-\Delta$ | D3V-6G5-2■3- $\triangle$ | D3V-6G5-3 $\square 3-\Delta$ |
|  | External (M) | D3V-6G5M-1 $\square 3-\Delta$ | D3V-6G5M-2■3-4 | D3V-6G5M-3 $\square 3-\Delta$ |
| Hinge roller lever | Internal | D3V-6G6-1 $\square 3-4$ | D3V-6G6-2 $\square 3-\Delta$ | D3V-6G6-3 $\square 3-\Delta$ |
|  | External (M) | D3V-6G6M-1■3- $\triangle$ | D3V-6G6M-2■3-4 | D3V-6G6M-3 $\square 3-\Delta$ |

Note: The $\square$ in the model number is for the terminal code.
A: Solder/quick-connect terminals (\#187)
C2: Quick-connect terminals (\#187)
C: Quick-connect terminals (\#250)
The $\Delta$ in the model number is for the mounting hole size.
None: 3.1 mm
$\mathrm{K}: \quad 2.9 \mathrm{~mm}$

## 01 A (OF: $0.49 \mathrm{~N}\{50 \mathrm{gf}\}$ )

| Actuator | Hinge position (far from plunger) | Contact form |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | SPDT | SPST-NC | SPST-NO |
| Plunger | --- | D3V-01-1 $\square 3-\Delta$ | D3V-01-2 $\square 3-\Delta$ | D3V-01-3 $\square$ 3- $\Delta$ |
| Short hinge lever | Internal | D3V-011-1 $\square 3-\Delta$ | D3V-011-2 $\square 3-\Delta$ | D3V-011-3 $\square 3-\Delta$ |
|  | External (M) | D3V-011M-1 $\square 3-\Delta$ | D3V-011M-2 $\square 3-\Delta$ | D3V-011M-3 $\square 3-\Delta$ |
| Hinge lever | Internal | D3V-012-1 $\square 3-\Delta$ | D3V-012-2 $\square 3-\Delta$ | D3V-012-3 $\square 3-\Delta$ |
|  | External (M) | D3V-012M-1 $\square 3-\Delta$ | D3V-012M-2 $\square 3-\Delta$ | D3V-012M-3 $\square 3-\Delta$ |
| Long hinge lever | Internal | D3V-013-1 $\square 3-\Delta$ | D3V-013-2 $\square 3-\Delta$ | D3V-013-3 $\square 3-\Delta$ |
|  | External (M) | D3V-013M-1 $\square 3-\Delta$ | D3V-013M-2 $\square 3-\Delta$ | D3V-013M-3 $\square 3-\Delta$ |
| Simulated roller lever | Internal | D3V-014-1 $\square 3-\Delta$ | D3V-014-2 $\square 3-\Delta$ | D3V-014-3 $\square 3-\Delta$ |
|  | External (M) | D3V-014M-1 $\square 3-\Delta$ | D3V-014M-2 $\square 3-\Delta$ | D3V-014M-3 $\square 3-\Delta$ |
| Short hinge roller lever | Internal | D3V-015-1 $\square 3-\Delta$ | D3V-015-2 $\square 3-\Delta$ | D3V-015-3 $\square 3-\Delta$ |
|  | External (M) | D3V-015M-1 $\square 3-\Delta$ | D3V-015M-2 $\square 3-\Delta$ | D3V-015M-3 $\square 3-\Delta$ |
| Hinge roller lever | Internal | D3V-016-1 $\square 3-\Delta$ | D3V-016-2 $\square 3-\Delta$ | D3V-016-3 $\square 3-\Delta$ |
|  | External (M) | D3V-016M-1 $\square 3-\Delta$ | D3V-016M-2 $\square 3-\Delta$ | D3V-016M-3 $\square 3-\Delta$ |

## 01 A (OF: $0.25 \mathrm{~N}\{25 \mathrm{gf}\}$ )

| Actuator |  | Hinge position <br> (far from plunger) | Contact form |  |  |
| :--- | :--- | :--- | :--- | :--- | :---: |
|  |  | SPDT | SPST-NC | SPST-NO |  |
| Plunger | --- | D3V-01-1 $\square 2-\Delta$ | D3V-01-2 $\square 2-\Delta$ | D3V-01-3 $\square 2-\Delta$ |  |

Note: The $\square$ in the model number is for the terminal code.
A: Solder/quick-connect terminals (\#187)
C2: Quick-connect terminals (\#187)
C: Quick-connect terminals (\#250)
The $\Delta$ in the model number is for the mounting hole size.
None: 3.1 mm
$\mathrm{K}: \quad 2.9 \mathrm{~mm}$

## Specifications

## Ratings

| Type | Rated voltage | Non-inductive load |  |  |  | Inductive load |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Resistive load |  | Lamp load |  | Inductive load |  | Motor load |  |
|  |  | NC | NO | NC | NO | NC | NO | NC | NO |
| D3V-21 | 250 VAC | 21 A |  | 3 A |  | 12 A |  | 4 A |  |
|  | 8 VDC 30 VDC 125 VDC 250 VDC | $\begin{aligned} & \hline 21 \mathrm{~A} \\ & 14 \mathrm{~A} \\ & 0.6 \mathrm{~A} \\ & 0.3 \mathrm{~A} \end{aligned}$ |  | $\begin{array}{\|l\|} \hline 5 \mathrm{~A} \\ 5 \mathrm{~A} \\ 0.1 \mathrm{~A} \\ 0.05 \mathrm{~A} \end{array}$ |  | $\begin{aligned} & \hline 12 \mathrm{~A} \\ & 12 \mathrm{~A} \\ & 0.6 \mathrm{~A} \\ & 0.3 \mathrm{~A} \end{aligned}$ |  | 7 A 5 A 0.1 A 0.05 A |  |
| D3V-16 | 250 VAC | 16 A |  | 2 A |  | 10 A |  | 3 A |  |
|  | 8 VDC 30 VDC 125 VDC 250 VDC | $\begin{aligned} & \hline 16 \mathrm{~A} \\ & 10 \mathrm{~A} \\ & 0.6 \mathrm{~A} \\ & 0.3 \mathrm{~A} \end{aligned}$ |  | 4 A 4 A 0.1 A 0.05 A |  | $\begin{aligned} & \hline 10 \mathrm{~A} \\ & 10 \mathrm{~A} \\ & 0.6 \mathrm{~A} \\ & 0.3 \mathrm{~A} \end{aligned}$ |  | 6 A 4 A 0.1 A 0.05 A |  |
| D3V-11 | 250 VAC | 11 A |  | 1.5 A |  | 6 A |  | 2 A |  |
|  | $\begin{array}{\|l\|} \hline 8 \mathrm{VDC} \\ 30 \mathrm{VDC} \\ 125 \mathrm{VDC} \\ 250 \mathrm{VDC} \end{array}$ | $\begin{aligned} & \hline 11 \mathrm{~A} \\ & 6 \mathrm{~A} \\ & 0.6 \mathrm{~A} \\ & 0.3 \mathrm{~A} \end{aligned}$ |  | 3 A 3 A 0.1 A 0.05 A |  | $\begin{aligned} & 6 \mathrm{~A} \\ & 6 \mathrm{~A} \\ & 0.6 \mathrm{~A} \\ & 0.3 \mathrm{~A} \end{aligned}$ |  | 3 A 3 A 0.1 A 0.05 A |  |
| D3V-6 | 250 VAC | 6 A |  | 3 A |  | 4 A |  | --- |  |
|  | 8 VDC 30 VDC 125 VDC 250 VDC | $\begin{aligned} & \hline 6 \mathrm{~A} \\ & 6 \mathrm{~A} \\ & 0.4 \mathrm{~A} \\ & 0.3 \mathrm{~A} \end{aligned}$ |  | $\begin{aligned} & \hline 3 \mathrm{~A} \\ & 3 \mathrm{~A} \\ & 0.1 \mathrm{~A} \\ & 0.05 \mathrm{~A} \end{aligned}$ |  | $\begin{aligned} & 4 \mathrm{~A} \\ & 4 \mathrm{~A} \\ & 0.4 \mathrm{~A} \\ & 0.2 \mathrm{~A} \end{aligned}$ |  | --- |  |
| D3V-01 | 125 VAC | 0.1 A |  | --- |  | --- |  | --- |  |
|  | $\begin{aligned} & 8 \mathrm{VDC} \\ & 30 \mathrm{VDC} \end{aligned}$ | $\begin{aligned} & \hline 0.1 \mathrm{~A} \\ & 0.1 \mathrm{~A} \end{aligned}$ |  | --- |  | --- |  | --- |  |

Note: 1. The above current values are the normal current values of models with a contact gap of 1 mm (gap F), which vary with the normal current values of models with a contact gap of 0.5 mm (gap G).
2. Inductive load has a power factor of 0.4 min . ( AC ) and a time constant of 7 ms max. (DC).
3. Lamp load has an inrush current of 10 times the steady-state current.
4. Motor load has an inrush current of 6 times the steady-state current.
5. The ratings values apply under the following test conditions:

Ambient temperature: $20 \pm 2^{\circ} \mathrm{C}$
Ambient humidity: $65 \pm 5 \%$
Operating frequency: 30 operations $/ \mathrm{min}$

## Characteristics

| Operating speed | 0.1 mm to $1 \mathrm{~m} / \mathrm{s}$ (plunger models without levers) |
| :--- | :--- |
| Operating frequency | Mechanical: 600 operations/min <br> Electrical: 60 operations/min |
| Insulation resistance | $100 \mathrm{M} \Omega \mathrm{min}$. (at 500 VDC ) |

Note: 1. The dielectric strength values shown in the table are for models with a Separator.
2. For plunger models, the above values apply for use at both the free position and total travel position. For lever models, they apply at the total travel position.
3. For testing conditions, contact your OMRON sales representative.

## Approved Standards

UL1054 (File No. E41515) CSA C22.2 No. 55 (File No. LR21642) (Only standard ratings are listed.)

| Rated voltage | D3V-21G | D3V-16 | D3V-16G | D3V-11 | D3V-11G | D3V-6 | D3V-6G | D3V-01 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 125 VAC | $21 \mathrm{~A}, 1 / 2 \mathrm{HP}$ <br> (See note.) | $16 \mathrm{~A}, 1 / 2 \mathrm{HP}$ | $16 \mathrm{~A}, 1 / 2 \mathrm{HP}$ | $11 \mathrm{~A}, 1 / 2 \mathrm{HP}$ | $11 \mathrm{~A}, 1 / 2 \mathrm{HP}$ | $6 \mathrm{~A}, 1 / 4 \mathrm{HP}$ | $6 \mathrm{~A}, 1 / 4 \mathrm{HP}$ | 0.1 A |
| 250 VAC | $21 \mathrm{~A}, 1 / 2 \mathrm{HP}$ <br> (See note.) | $16 \mathrm{~A}, 1 / 2 \mathrm{HP}$ | $16 \mathrm{~A}, 1 / 2 \mathrm{HP}$ | $11 \mathrm{~A}, 1 / 2 \mathrm{HP}$ | $11 \mathrm{~A}, 1 / 2 \mathrm{HP}$ | $6 \mathrm{~A}, 1 / 4 \mathrm{HP}$ | $6 \mathrm{~A}, 1 / 4 \mathrm{HP}$ | --- |
| 125 VDC | --- | 0.6 A | 0.1 A | 0.6 A | 0.1 A | --- | --- | --- |
| 250 VDC | --- | 0.3 A | --- | 0.3 A | -- | -- | - |  |

Note: Approval projected.

## EN 61058-1: 1992+A1: 1993 (License No. 119151L)

| Rated voltage | D3V-21G | D3V-16 | D3V-11 | D3V-6 | D3V-01 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 125 VAC | --- | --- | --- | 0.1 A |  |
| 250 VAC | $20(4)$ A | $16(3)$ A | $11(3)$ A | $6(2)$ A | --- |

Testing conditions: 50,000 operations, $\mathrm{T} 85\left(0^{\circ} \mathrm{C}\right.$ to $\left.85^{\circ} \mathrm{C}\right)$ for D3V-21/D3V-01, T105 $\left(0^{\circ} \mathrm{C}\right.$ to $\left.105^{\circ} \mathrm{C}\right)$ for D3V-16/D3V-11/D3V-6

| Rated voltage | D3V-21G |
| :--- | :---: |
| 250 VAC | 21 (8) A |

Testing conditions: 10,000 operations, $\mathrm{T} 85\left(0^{\circ} \mathrm{C}\right.$ to $\left.85^{\circ} \mathrm{C}\right)$

## Contact Specifications

| Item |  | 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 mm (F gap type) or 0.5 mm (G gap type) |  |  | 1.0 mm |
| Inrush current | NC | 50 A max. | 40 A max. | 24 A max. | 15 A max. | --- |
|  | NO |  |  |  |  |  |
| Minimum applicable load |  | 160 mA at 5 VDC |  |  |  | 1 mA at 5 VDC |

## Contact Form

| SPDT | SPST-NC | SPST-NO |
| :---: | :---: | :---: |
| COMC |  |  |
| COM |  |  |

## Dimensions

Unit: mm (inch)

## Terminals

| Terminal type | Solder/Quick-connect Terminal (\#187) (A) | Quick-connect Terminal (\#187) (C2) | Quick-connect Terminal (\#250) (C) |
| :---: | :---: | :---: | :---: |
| COM | Three, solder/quick-connect terminals (\#187) | Three, quick-connect terminals (\#187) | Three, quick-connect terminals (\#250) |
| Terminal dimensions | Note: Indicates the length to the center of the 1.6-dia. holes |  |  |

Note: The table above is for the SPDT contact specifications. Two terminals will be available for SPST-NO or SPST-NC contact specifications. For terminal positions, refer to the above Contact Form.

## ■ Mounting Holes



## Dimensions and Operating Characteristics

Note: 1. All units are in millimeters unless otherwise indicated
2. Unless otherwise specified, a tolerance of $\pm 0.4 \mathrm{~mm}$ applies to all dimensions.
3. The following illustrations and drawings are for quick-connect terminals (\#187) (terminals C2). D3V models incorporate terminals A and C. These models are different from \#187 models in terminal size only. Terminals A and C are omitted from the following drawings. Refer to Terminals on page 995 for these terminals.
4. The following illustrations and drawings are for models with the hinge position set to external/further than plunger. Models with the hinge position set to internal position are not shown here. For details about the internal position models, contact your OMRON sales representative. Operating characteristics are the same for these two types of models.
5. The $\square$ in the model number is for the terminal code.
6. The $\Delta$ in the model number is for the mounting hole size. The hole size in the following illustrations of models with a suffix " $K$ " in the $\Delta$ is 2.9 mm .
7. The operating characteristics are for operation in the A direction ( ).

## Plunger Models

```
D3V-21G-1\square4-\Delta
D3V-16-1\square5-\Delta
D3V-11-1\square5-\Delta
D3V-11-1\square4-\Delta
D3V-6-1\square4-\Delta
D3V-6G-1\square3-\Delta
D3V-01-1\square2-\Delta
D3V-01-1\square3-\Delta
```



| Model | D3V-21G-1■4A- $\Delta$ | $\begin{array}{\|l\|} \hline \text { D3V-16-1 } \square 5-\Delta \\ \text { D3V-11-1 } \square 5-\Delta \end{array}$ | $\begin{array}{\|l} \hline \text { D3V-11-1 } \square 4-\Delta \\ \text { D3V-6-1 } \square 4-\Delta \end{array}$ | D3V-6G-1■3- $\triangle$ | D3V-01-1■3- ${ }^{\text {a }}$ | D3V-01-1■2-4 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| OF max. RF min. | $\begin{array}{\|l\|} \hline 125 \mathrm{~g}\{1.23 \mathrm{~N}\} \\ 20 \mathrm{~g}\{0.20 \mathrm{~N}\} \\ \hline \end{array}$ | $\begin{aligned} & \hline 200 \mathrm{~g}\{1.96 \mathrm{~N}\} \\ & 50 \mathrm{~g}\{0.49 \mathrm{~N}\} \\ & \hline \end{aligned}$ | $\begin{aligned} & 100 \mathrm{~g}\{0.98 \mathrm{~N}\} \\ & 15 \mathrm{~g}\{0.15 \mathrm{~N}\} \end{aligned}$ | $\begin{aligned} & \hline 50 \mathrm{~g}\{0.49 \mathrm{~N}\} \\ & 5 \mathrm{~g}\{0.05 \mathrm{~N}\} \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \hline 50 \mathrm{~g}\{0.49 \mathrm{~N}\} \\ 5 \mathrm{~g}\{0.05 \mathrm{~N}\} \\ \hline \end{array}$ | $\begin{array}{\|l\|} \hline 25 \mathrm{~g}\{0.25 \mathrm{~N}\} \\ 3 \mathrm{~g}\{0.03 \mathrm{~N}\} \\ \hline \end{array}$ |
|  | 1.2 mm <br> 1.0 mm <br> 0.3 mm | $\begin{aligned} & 1.2 \mathrm{~mm} \\ & 1.0 \mathrm{~mm} \\ & 0.4 \mathrm{~mm} \text { (F gap type) or } 0.3 \mathrm{~mm} \text { (G gap type) } \end{aligned}$ |  |  | 1.2 mm <br> 1.0 mm <br> 0.4 mm |  |
| OP | $14.7 \pm 0.4 \mathrm{~mm}$ |  |  |  |  |  |

## Short Hinge Lever Models

```
D3V-21GM-1\square4A-\Delta
D3V-161M-1\square5-\Delta
D3V-111M-1\square5-\Delta
D3V-111M-1\square4-\Delta
D3V-61M-1\square4-\Delta
D3V-6G1M-1}\square3-
D3V-01-1\square2-\Delta
D3V-01M1-1\square3-\Delta
```



Note: Stainless-steel lever.

| Model | D3V-21G1M-1 $\square$ 4A- $\Delta$ | D3V-161M-1 $\square 5-\Delta$ <br> D3V-111M-1 $\square 5-\Delta$ | D3V-111M-1 $\square 4-\Delta$ D3V-61M-1 $\square 4-\Delta$ | D3V-6G1M-1 $\square$ 3- $\Delta$ | D3V-011M-1 $\square 3-\Delta$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| OF max. RF min. | $\begin{aligned} & 125 \mathrm{~g}\{1.23 \mathrm{~N}\} \\ & 20 \mathrm{~g}\{0.20 \mathrm{~N}\} \end{aligned}$ | $\begin{aligned} & 200 \mathrm{~g}\{1.96 \mathrm{~N}\} \\ & 50 \mathrm{~g}\{0.49 \mathrm{~N}\} \end{aligned}$ | $\begin{aligned} & 100 \mathrm{~g}\{0.98 \mathrm{~N}\} \\ & 15 \mathrm{~g}\{0.15 \mathrm{~N}\} \end{aligned}$ | $\begin{aligned} & \hline 50 \mathrm{~g}\{0.49 \mathrm{~N}\} \\ & 5 \mathrm{~g}\{0.05 \mathrm{~N}\} \end{aligned}$ |  |
| PT max. OT min. MD max. | $\begin{aligned} & 1.6 \mathrm{~mm} \\ & 0.8 \mathrm{~mm} \\ & 0.5 \mathrm{~mm} \end{aligned}$ | $\begin{aligned} & 1.6 \mathrm{~mm} \\ & 0.8 \mathrm{~mm} \\ & 0.6 \mathrm{~mm} \text { (F gap type) or } 0.5 \mathrm{~mm} \text { (G gap type) } \end{aligned}$ |  |  | $\begin{aligned} & 1.6 \mathrm{~mm} \\ & 0.8 \mathrm{~mm} \\ & 0.6 \mathrm{~mm} \end{aligned}$ |
| OP | $15.2 \pm 0.5 \mathrm{~mm}$ |  |  |  |  |

## Hinge Lever Models

D3V-21G2M-1 $\square 4 \mathrm{~A}-\Delta$
D3V-162M-1 $\square 5-\Delta$
D3V-112M-1 $\square 5-\Delta$
D3V-112M-1 $\square 4-\Delta$
D3V-62M-1 $\square 4-\Delta$
D3V-6G2M-1 $\square 3-\Delta$
D3V-012M-1 $\square 3-\Delta$


Note: Stainless-steel lever.

| Model | D3V-21G2M-1 $\square$ 4A- $\Delta$ | $\begin{aligned} & \text { D3V-162M-1 } \square 5-\Delta \\ & \text { D3V-112M-1 } \square 5-\Delta \end{aligned}$ | $\begin{aligned} & \text { D3V-112M-1 } \square 4-\Delta \\ & \text { D3V-62M-1 } \square 4-\Delta \end{aligned}$ | D3V-6G2M-1 $\square$ 3- $\Delta$ | D3V-012M-1 $\square 3-\Delta$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| OF max. RF min. | $\begin{aligned} & 80 \mathrm{~g}\{0.78 \mathrm{~N}\} \\ & 6 \mathrm{~g}\{0.06 \mathrm{~N}\} \end{aligned}$ | $\begin{aligned} & \hline 125 \mathrm{~g}\{1.23 \mathrm{~N}\} \\ & 14 \mathrm{~g}\{0.14 \mathrm{~N}\} \end{aligned}$ | $\begin{aligned} & 60 \mathrm{~g}\{0.59 \mathrm{~N}\} \\ & 6 \mathrm{~g}\{0.06 \mathrm{~N}\} \end{aligned}$ |  | $30 \mathrm{~g}\{0.29 \mathrm{~N}\}$ |
| PT max. OT min. MD max. | 4.0 mm <br> 1.6 mm <br> 0.8 mm | $\begin{aligned} & 4.0 \mathrm{~mm} \\ & 1.6 \mathrm{~mm} \\ & 1.5 \mathrm{~mm} \text { (F gap type) or } 0.8 \mathrm{~mm} \text { (G gap type) } \end{aligned}$ |  |  | 4.0 mm <br> 1.6 mm <br> 1.5 mm |
| OP | $15.2 \pm 1.2 \mathrm{~mm}$ |  |  |  |  |

## Long Hinge Lever Models

D3V-21G3M-1 $\square 4 \mathrm{~A}-\Delta$
D3V-163M-1 $\square 5-\Delta$
D3V-113M-1 $\square 5-\Delta$
D3V-113M-1 $\square 4-\Delta$
D3V-63M-1 $\square 4-\Delta$
D3V-6G3M-1 $\square 3-\Delta$
D3V-013M-1 $\square 3-\Delta$


Note: Stainless-steel lever.

| Model | D3V-21G3M-1 $\square$ 4A- $\triangle$ | D3V-163M-1 $\square 5-\Delta$ <br> D3V-113M-1 $\square 5-\Delta$ | $\begin{aligned} & \text { D3V-113M-1 } \square 4-\Delta \\ & \text { D3V-63M-1 } \square 4-\Delta \end{aligned}$ | D3V-6G3M-1 $\square 3-\Delta$ | D3V-013M-1 $\square 3-\Delta$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| OF max. RF min. | $\begin{array}{\|l\|} \hline 45 \mathrm{~g}\{0.44 \mathrm{~N}\} \\ 3 \mathrm{~g}\{0.03 \mathrm{~N}\} \\ \hline \end{array}$ | $\begin{array}{\|l\|} \hline 70 \mathrm{~g}\{0.69 \mathrm{~N}\} \\ 6 \mathrm{~g}\{0.06 \mathrm{~N}\} \\ \hline \end{array}$ | $35 \mathrm{~g} \mathrm{\{0.34N} \mathrm{\}}$ | $20 \mathrm{~g}\{0.20 \mathrm{~N}\}$ |  |
| PT max. OT min. MD max. | 9.0 mm <br> 2.0 mm <br> 2.0 mm | $\begin{aligned} & 9.0 \mathrm{~mm} \\ & 2.0 \mathrm{~mm} \\ & 2.8 \mathrm{~mm} \text { (F gap type) or } 2.0 \mathrm{~mm} \text { (G gap type) } \end{aligned}$ | $\begin{aligned} & 9.0 \mathrm{~mm} \\ & 3.2 \mathrm{~mm} \\ & 2.8 \mathrm{~mm} \text { (F gap type) or } 2.0 \mathrm{~mm} \text { (G gap } \\ & \text { type) } \end{aligned}$ |  | $\begin{aligned} & 9.0 \mathrm{~mm} \\ & 3.2 \mathrm{~mm} \\ & 2.8 \mathrm{~mm} \end{aligned}$ |
| OP | $15.2_{-3.2}^{+2.6} \mathrm{~m}$ |  | $15.2 \pm 2.6 \mathrm{~mm}$ |  |  |

## Simulated Roller Lever Models

D3V-21G3M-1 $\square 4$ A- $\Delta$
D3V-164M-1 $\square 5-\Delta$
D3V-114M-1 $\square 5-\Delta$
D3V-114M-1 $\square 4-\Delta$
D3V-64M-1 $\square 4-\Delta$
D3V-6G4M-1 $\square 3-\Delta$
D3V-014M-1 $\square 3-\Delta$


Note: Stainless-steel lever.

| Model | D3V-21G4M-1 $\square$ 4A- $\Delta$ | D3V-164M-1 $\square 5-\Delta$ D3V-114M-1 $\square 5-\Delta$ | D3V-114M-1 $\square 4-\Delta$ D3V-64M-1 $\square 4-\Delta$ | D3V-6G4M-1 $\square 3-\Delta$ | D3V-014M-1 $\square 3-\Delta$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| OF max. RF min. | $\begin{aligned} & 85 \mathrm{~g}\{0.83 \mathrm{~N}\} \\ & 7 \mathrm{~g}\{0.07 \mathrm{~N}\} \end{aligned}$ | $\begin{aligned} & 125 \mathrm{~g}\{1.23 \mathrm{~N}\} \\ & 14 \mathrm{~g}\{0.14 \mathrm{~N}\} \end{aligned}$ | $\begin{aligned} & 60 \mathrm{~g}\{0.59 \mathrm{~N}\} \\ & 6 \mathrm{~g}\{0.06 \mathrm{~N}\} \end{aligned}$ | $30 \mathrm{~g}\{0.29 \mathrm{~N}\}$ |  |
| PT max. OT min. MD max. | $\begin{aligned} & 4.0 \mathrm{~mm} \\ & 1.6 \mathrm{~mm} \\ & 1.4 \mathrm{~mm} \end{aligned}$ | $\begin{aligned} & 4.0 \mathrm{~mm} \\ & 1.6 \mathrm{~mm} \\ & 1.5 \mathrm{~mm} \text { (F gap type) or } 0.8 \mathrm{~mm} \text { (G gap type) } \end{aligned}$ |  |  | 4.0 mm 1.6 mm 1.5 mm |
| OP | $18.7 \pm 1.2 \mathrm{~mm}$ |  |  |  |  |

## Short Hinge Roller Lever Models

D3V-21G5M-1 $\square 4 \mathrm{~A}-\Delta$
D3V-165M-1 $\square 5-\Delta$
D3V-115M-1 $\square 5-\Delta$
D3V-115M-1 $\square 4-\Delta$
D3V-65M-1 $\square 4-\Delta$
D3V-6G5M-1 $\square 3-\Delta$
D3V-015M-1 $\square 3-\Delta$


Note: 1. Stainless-steel lever.
2. Oilless polyacetal resin roller.

| Model | D3V-21G5M-1 $\square$ 4A- $\Delta$ | D3V-165M-1 $\square 5-\Delta$ D3V-115M-1 $\square 5-\Delta$ | D3V-115M-1 $\square 4-\Delta$ D3V-65M-1 $\square 4-\Delta$ | D3V-6G5M-1 $\square$ 3- $\Delta$ | D3V-015M-1 $\square 3-\Delta$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| OF max. RF min. | $\begin{aligned} & 145 \mathrm{~g}\{1.42 \mathrm{~N}\} \\ & 20 \mathrm{~g}\{0.2 \mathrm{~N}\} \end{aligned}$ | $\begin{aligned} & 240 \mathrm{~g}\{2.35 \mathrm{~N}\} \\ & 50 \mathrm{~g}\{0.49 \mathrm{~N}\} \end{aligned}$ | $\begin{aligned} & 120 \mathrm{~g}\{1.18 \mathrm{~N}\} \\ & 15 \mathrm{~g}\{0.15 \mathrm{~N}\} \end{aligned}$ | $\begin{aligned} & 60 \mathrm{~g}\{0.59 \mathrm{~N}\} \\ & 6 \mathrm{~g}\{0.06 \mathrm{~N}\} \end{aligned}$ |  |
| PT max. OT min. MD max. | $\begin{aligned} & 1.6 \mathrm{~mm} \\ & 0.8 \mathrm{~mm} \\ & 0.5 \mathrm{~mm} \end{aligned}$ | $\begin{aligned} & 1.6 \mathrm{~mm} \\ & 0.8 \mathrm{~mm} \\ & 0.6 \mathrm{~mm} \text { (F gap type) or } 0.5 \mathrm{~mm} \text { (G gap type) } \end{aligned}$ |  |  | $\begin{aligned} & 1.6 \mathrm{~mm} \\ & 0.8 \mathrm{~mm} \\ & 0.6 \mathrm{~mm} \end{aligned}$ |
| OP | $20.7 \pm 0.6 \mathrm{~mm}$ |  |  |  |  |

## Hinge Roller Lever Models

D3V-21G6M-1 $\square 4$ A- $\Delta$
D3V-166M-1 $\square 5-\Delta$
D3V-116M-1 $\square 5-\Delta$
D3V-116M-1 $\square 4-\Delta$
D3V-66M-1 $\square 4-\Delta$
D3V-6G6M-1 $\square 3-\Delta$
D3V-016M-1 $\square 3-\Delta$


Note: 1. Stainless-steel lever.
2. Oilless polyacetal resin roller.

| Model | D3V-21G6M-1 $\square 4$ A- $\Delta$ | D3V-166M-1 $\square 5-\Delta$ D3V-116M-1 $\square 5-\Delta$ | D3V-116M-1 $\square 4-\Delta$ D3V-66M-1 $\square 4-\Delta$ | D3V-6G6M-1 $\square 3-\Delta$ | D3V-016M-1 $\square 3-\Delta$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| OF max. RF min. | $\begin{aligned} & 80 \mathrm{~g}\{0.79 \mathrm{~N}\} \\ & 5 \mathrm{~g}\{0.05 \mathrm{~N}\} \end{aligned}$ | $\begin{aligned} & 125 \mathrm{~g}\{1.23 \mathrm{~N}\} \\ & 14 \mathrm{~g}\{0.14 \mathrm{~N}\} \end{aligned}$ | $\begin{aligned} & 60 \mathrm{~g}\{0.59 \mathrm{~N}\} \\ & 6 \mathrm{~g}\{0.06 \mathrm{~N}\} \end{aligned}$ | $\begin{aligned} & 30 \mathrm{~g}\{0.29 \mathrm{~N}\} \\ & --- \end{aligned}$ |  |
| PT max. OT min. MD max. | $\begin{aligned} & 4.0 \mathrm{~mm} \\ & 1.6 \mathrm{~mm} \\ & 0.8 \mathrm{~mm} \end{aligned}$ | $\begin{aligned} & 4.0 \mathrm{~mm} \\ & 1.6 \mathrm{~mm} \\ & 1.5 \mathrm{~mm} \text { (F gap type) or } 0.8 \mathrm{~mm} \text { (G gap type) } \end{aligned}$ |  |  | $\begin{aligned} & 4.0 \mathrm{~mm} \\ & 1.6 \mathrm{~mm} \\ & 1.5 \mathrm{~mm} \end{aligned}$ |
| OP | $20.7 \pm 1.2 \mathrm{~mm}$ |  |  |  |  |

## Precautions

## Cautions

## Handling

Be careful not to drop the switch. Doing so may cause damage to the switch's internal components because it is designed for a small load.

## Correct Use

## Mounting

Use two M3 mounting screws with an appropriate screwdriver to mount the switch. Tighten the screws to a torque of 0.39 to $0.59 \mathrm{~N} \cdot \mathrm{~m}\{4$ to $6 \mathrm{kgf} \bullet \mathrm{cm}\}$.

## Mounting Direction

Mount lever-operated switches with a maximum operating force of 0.49 N in a direction where the actuator weight will not be applied to the switch. Since the switch is designed for a small load, its resetting force is small. Therefore, resetting failure may occur if unnecessary load is applied to the switch.

## Insulation Distance

According to EN61058-1, the minimum insulation thickness for this switch should be 1.1 mm and minimum clearance distance between the terminal and mounting plate should be 1.9 mm . If the insulation distance cannot be provided in the product incorporating the switch, either use a switch with insulation barrier or use a Separator to ensure sufficient insulation distance.

## Using Micro Loads

Using a model for ordinary loads to open or close the contact of a micro load circuit may result faulty contact. Use models that operate in the following range. However, even when using micro load models within the operating range shown below, if inrush current occurs when the contact is opened or closed, it may increase contact wear and so decrease life expectancy. Therefore, insert a contact protection circuit where necessary.
The minimum applicable load is the N -level reference value. This value indicates the malfunction reference level for the reliability level of $60 \%(\lambda 60)$. The equation, $\lambda 60=0.5 \times 10^{-6} /$ operations indicates that the estimated malfunction rate is less than
$1 / 2,000,000$ operations with a reliability level of $60 \%$.


## Solder Terminal Approval Conditions

Use of soldering iron for normal soldering is acceptable. Soldering hook holes version available.

Soldering terminal types 1 and 2 are met.

## Terms and Conditions of Sale

1. Offer; Acceptance. These terms and conditions (these "Terms") are deemed part of all quotations, acknowledgments, invoices, purchase orders and other documents, whether electronic or in writing, relating to the sale of products or documents, whether electronic or in writing, relating to the sale of products or
services (collectively, the "Products") by Omron Electronic Components LLC ("Seller"). Seller hereby objects to any terms or conditions proposed in Buyer's purchase order or other documents which are inconsistent with, or in addition to, these Terms.
2. notice by Seller Buyer agrees to pare current, subject to change without Payments for Products received are due net 30 days unless otherwise stated in the invoice.
3. Discounts. Cash discounts, if any, will apply only on the net amount of invoices sent to Buyer after deducting transportation charges, taxes and duties, and will be allowed only if (i) the invoice is paid according to Seller's payment terms and (ii) Buyer has no past due amounts owing to Seller.
4. Currencies. If the prices quoted herein are in a currency other than U.S. dollars, Buyer shall make remittance to Seller at the then current exchange rate most favorable to Seller and which is available on the due date; provided that if remittance is not made when due, Buyer will convert the amount to U.S. dollars at the then current exchange rate most favorable to Seller available during the period between the due date and the date remittance is actually made.
5. Governmental Approvals. Buyer shall be responsible for, and shall bear al costs involved in, obtaining any government approvals required for the imporcosts involved in, obtaining an
tation or sale of the Products.
6. Taxes. All taxes, duties and other governmental charges (other than general real property and income taxes), including any interest or penalties thereon, imposed directly or indirectly on Seller or required to be collected directly or indirectly by Seller for the manufacture, production, sale, delivery, importation, consumption or use of the Products sold hereunder (including customs duties and sales, excise, use, turnover and license taxes) shall be charged to and remitted by Buyer to Seller.
7. Financial. If the financial position of Buyer at any time becomes unsatisfactory to Seller, Seller reserves the right to stop shipments or require satisfactory security or payment in advance. If Buyer fails to make payment or otherwise comply with these Terms or any related agreement, Seller may (without liability and in addition to other remedies) cancel any unshipped portion of Products sold hereunder and stop any Products in transit until Buyer pays all amounts, including amounts payable hereunder, whether or not then due, which are owing to it by Buyer. Buyer shall in any event remain liable for all unpaid accounts.
8. Cancellation; Etc. Orders are not subject to rescheduling or cancellation unless Buyer indemnifies Seller fully against all costs or expenses arising in connection therewith.
9. Force Majeure. Seller shall not be liable for any delay or failure in delivery resulting from causes beyond its control, including earthquakes, fires, floods, strikes or other labor disputes, shortage of labor or materials, accidents to machinery, acts of sabotage, riots, delay in or lack of transportation or the requirements of any government authority.
10. Shipping; Delivery. Unless otherwise expressly agreed in writing by Seller: 1. Shipments shall be by a carrier selected by Seller;
11. Such carrier shall act as the agent of Buyer and delivery to such carrier shall constitute delivery to Buyer;
12. All sales and shipments of Products shall be FOB shipping point (unless otherwise stated in writing by Seller), at which point title to and all risk of loss of the Products shall pass from Seller to Buyer, provided that Seller shall retain a security interest in the Products until the full purchase price is paid by Buyer;
13. Delivery and shipping dates are estimates only.
14. Seller will package Products as it deems proper for protection against normal handling and extra charges apply to special conditions.
15. Claims. Any claim by Buyer against Seller for shortage or damage to the Products occurring before delivery to the carrier must be presented in writing to Seller within 30 days of receipt of shipment and include the original transportation bill signed by the carrier noting that the carrier received the Products from Seller in the condition claimed.
16. Warranties. (a) Exclusive Warranty. Seller's exclusive warranty is that the Products will be free from defects in materials and workmanship for a period of twelve months from the date of sale by Seller (or such other period expressed in writing by Seller). Seller disclaims all other warranties, express or implied. (b) Limitations. SELLER MAKES NO WARRANTY OR REPRESENTATION, EXPRESS OR IMPLIED, ABOUT NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OF THE PRODUCTS. BUYER ACKNOWLEDGES THAT IT ALONE HAS DETERMINED THAT THE PRODUCTS WILL SUITABLY MEET THE REQUIREMENTS OF THEIR INTENDED USE. Seller further disclaims all warranties and responsibility of any type for claims or expenses based on infringement by the Products or otherwise of any intellectual property right. (c) Buyer Remedy. Seller's sole obligation hereunder shall be to replace (in the form originally shipped with Buyer responsible for labor charges for removal or replacement thereof) the noncomplying Product or, at Seller's election, to repay or credit Buyer an amount equal to the purchase price of the Product; provided that in no event shall Seller be responsible for warranty, repair, indemnity or any other claims or expenses regarding the Products unless Seller's analysis confirms that the Products were properly handled, stored, installed and maintained and not subject to contamination, abuse, misuse or inappropriate modification. Return of any Products by Buyer must be approved in writing by Seller before shipment. Seller shall not be liable for the suitability or unsuitability or the results from the use of Products in combination with any electrical or electronic components, circuits, system assemblies, or any other materials or substances or environments. Any advice, recommendations or information given orally or in writing are not to be construed as an amendment or addition to the above warranty.
17. Limitation on Liability; Etc. SELLER SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS OR PRODUCTION OR COMMERCIAL LOSS IN ANY WAY CONNECTED WITH THE PRODUCTS, WHETHER SUCH CLAIM IS BASED IN CONTRACT, WARRANTY, NEGLIGENCE OR STRICT LIABILITY. Further, in no event shall liability of Seller exceed the individual price of the Product on which liability is asserted.
18. Indemnities. Buyer shall indemnify and hold harmless Seller, its affiliates and its employees from and against all liabilities, losses, claims, costs and expenses (including attorney's fees and expenses) related to any claim, investigation, litigation or proceeding (whether or not Seller is a party) which arises or is alleged to arise from Buyer's acts or omissions under these Terms or in any way with respect to the Products. Without limiting the foregoing, Buyer (at its own expense) shall indemnify and hold harmless Seller and defend or settle any Product made to Buyer specifications infringed intellectual property rights of another party.
19. Property; Confidentiality. The intellectual property embodied in the Products is the exclusive property of Seller and its affiliates and Buyer shall not attempt to duplicate it in any way without the written permission of Seller. Notwithstanding any charges to Buyer for engineering or tooling, all engineering and tooling shall remain the exclusive property of Seller. All information and materials supplied by Seller to Buyer relating to the Products are confidential and proprietary, and Buyer shall limit distribution thereof to its trusted employees and strictly prevent disclosure to any third party.
20. Miscellaneous. (a) Waiver. No failure or delay by Seller in exercising any right and no course of dealing between Buyer and Seller shall operate as a waiver of rights by Seller. (b) Assignment. Buyer may not assign its rights hereunder without Seller's written consent. (c) Law. These Terms are governed by Illinois law (without regard to conflict of law principles). Federal and state courts in Illinois shall have exclusive jurisdiction for any dispute hereunder. (d) Amendment. These Terms constitute the entire agreement between Buyer and Seller relating to the Products, and no provision may be changed or waived unless in writing signed by the parties. (e) Severability. If any provision hereof is rendered ineffective or invalid, such provision shall not invalidate any other provision. (f) Setoff. Buyer shall have no right to set off any amounts against the amount owing in respect of this invoice.. (g) Definitions. As used herein, "including" means "including without limitation".

## Certain Precautions on Specifications and Use

1. Suitability for Use. Seller shall not be responsible for conformity with any standards, codes or regulations which apply to the combination of the Product in Buyer's application or use of the Product. At Buyer's request, Seller will provide applicable third party certification documents identifying ratings and limitations of use which apply to the Product. This information by itself is not sufficient for a complete determination of the suitability of the Product in combination with the end product, machine, system, or other application or use. Buyer shall be solely responsible for determining appropriateness of the particular Product with respect to Buyer's application, product or system. Buyer shall take application responsibility in all cases but the following is a nonexhaustive list of applications for which particular attention must be given: (i) Outdoor use, uses involving potential chemical contamination or electrical interference, or conditions or uses not described in this document.
(ii) Energy control systems, combustion systems, railroad systems, aviation systems, medical equipment, amusement machines, vehicles, safety equipment, and installations subject to
separate industry or government regulations.
(iii)Use in consumer products or any use in significant quantities.
(iv)Systems, machines and equipment that could present a risk to life or
property. Please know and observe all prohibitions of use applicable to this property
product.
NEVER USE THE PRODUCT FOR AN APPLICATION INVOLVING SERIOUS RISK TO LIFE OR PROPERTY WITHOUT ENSURING THAT THE SYSTEM AS A WHOLE HAS BEEN DESIGNED TO ADDRESS THE RISKS, AND THAT THE OMRON PRODUCT IS PROPERLY RATED AND INSTALLED FOR THE INTENDED USE WITHIN THE OVERALL EQUIPMENT OR SYSTEM.
2. Programmable Products. Seller shall not be responsible for the user's programming of a programmable product, or any consequence thereof.
3. Performance Data. Performance data given in this publication is provided as : guide for the user in determining suitability and does not constitute a warranty It may represent the result of Seller's test conditions, and the users must corre late it to actual application requirements. Actual performance is subject to Seller's Warranty and Limitations of Liability.
4. Change in Specifications. Product specifications and accessories may bs changed at any time based on improvements and other reasons. It is our prac tice to change part numbers when published ratings or features are changed or when significant construction changes are made. However, some specifica tions of the Product may be changed without any notice. When in doubt, spe cial part numbers may be assigned to fix or establish key specifications for you application. Please consult with your Seller representative at any time to con firm actual specifications of purchased Product.
5. Errors and Omissions. The information in this publication has been carefull! checked and is believed to be accurate; however, no responsibility is assumer for clerical, typographical or proofreading errors, or omissions.
6. RoHS Compliance. Where indicated, our products currently comply, to the bes of our knowledge as of the date of this publication, with the requirements of the European Union's Directive on the Restriction of certain Hazardous Sub stances ("RoHS"), although the requirements of RoHS do not take effect unti July 2006. These requirements may be subject to change. Please consult ou website for current information.

Complete "Terms and Conditions of Sale" for product purchase and use are on Omron's website at www.components.omron.com - under the "About Us" tab, in the Legal Matters section.

55 E. Commerce Drive, Suite B Schaumburg, IL 60173
847-882-2288

## OMRON CANADA, INC.

885 Milner Avenue Toronto, Ontario M1B 5V8 416-286-6465

## OMRON ON-LINE

Global - http://www.omron.com USA - http://www.components.omron.com Canada - http://www.omron.ca

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components
Click to view similar products for Basic / Snap Action Switches category:
Click to view products by Omron manufacturer:
Other Similar products are found below :
83228001 01.098.1358.1 602EN1-6B 602EN532 602EN535-RB 602HE5-RB1 604HE162 604HE223-6B 624HE17-RB 6HM89 6PA78-JM 6SE1 6SX1-H58 70500840 MBD5B1 MBH2731 73-316-0012 79211759 79211923 79218589 7AS12 ML-1155 ML-1376 831010C3.0 831060C3.TL 831090C2.EL 83131904 84212012 8AS239 8HM73-3 903VB1-PG 914CE1-6G PL-100 11SM1077-H4 11SM1077-H58 11SM1-TN107 11SM405 11SM703-T 11SM8423-H2 11SX37-T 11SX48-H58 11SX55-H58 11SM2442-T 11SM76-T 11SM77-H58 11SM77-T 11SM863-T 11SM866 11SX47-H58 A7CN-1M-1-LEFT

