## General-purpose Relay MY New model

## Versatile and Function-filled Miniature Power Relay for Sequence Control and Power Switching Applications

- Models with lockable test buttons now available.
- Many variations possible through a selection of operation indicators (mechanical and LED indicators), lockable test button, built-in diode and CR (surge suppression), bifurcated contacts, etc.
- Arc barrier standard on 4-pole Relays.
- Dielectric strength: 2,000 VAC (coil to contact)
- Environment-friendly cadmium-free contacts.
- Safety standard approvals obtained.

- Wide range of Sockets (PY, PYF Series) and optional parts are available.
- Max. Switching Current: 2-pole: $10 \mathrm{~A}, 4$-pole: 5 A
- Provided with nameplate.


## Ordering Information

## - Relays

## Standard Coil Polarity

| Type | Contact form | Plug-in socket/Solder terminals |  | Without LED indicator |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Standard with LED indicator | With LED indicator and lockable test button |  |
| Standard | DPDT | MY2N | MY2IN | MY2 |
|  | 4PDT | MY4N | MY4IN | MY4 |
|  | 4PDT (bifurcated) | MY4ZN | MY4ZIN | MY4Z |
| With built-in diode (DC only) | DPDT | MY2N-D2 | MY2IN-D2 | --- |
|  | 4PDT | MY4N-D2 | MY4IN-D2 | --- |
|  | 4PDT (bifurcated) | MY4ZN-D2 | MY4ZIN-D2 | --- |
| With built-in CR(220/240 VAC, 110/120 VAConly) | DPDT | MY2N-CR | MY2IN-CR | -- |
|  | 4PDT | MY4N-CR | MY4IN-CR | --- |
|  | 4PDT (bifurcated) | MY4ZN-CR | MY4ZIN-CR | --- |

## Reverse Coil Polarity

| Type | Contact form | Plug-in socket/Solder terminals |  |
| :---: | :---: | :---: | :---: |
|  |  | With LED indicator | With LED indicator and lockable test button |
| Standard (DC only) | DPDT | MY2N1 | MY2IN1 |
|  | 4PDT | MY4N1 | MY4IN1 |
|  | 4PDT (bifurcated) | MY4ZN1 | MY4ZIN1 |
| With built-in diode (DC only) | DPDT | MY2N1-D2 | MY2IN1-D2 |
|  | 4PDT | MY4N1-D2 | MY4IN1-D2 |
|  | 4PDT (bifurcated) | MY4ZN1-D2 | MY4ZIN1-D2 |

Note: When ordering, add the rated coil voltage and "(s)" to the model number. Rated coil voltages are given in the coil ratings table.
Example: MY2 6VAC (S)
Rated coil voltage

## Accessories (Order Separately)

## Sockets

| Poles | Front-mounting Socket (DIN-track/ screw mounting) | Back-mounting Socket |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Solder terminals |  | Wire-wrap terminals |  | PCB terminals |
|  |  | Without clip | With clip | Without clip | With clip |  |
| 2 | PYF08A-E PYF08A-N | PY08 | PY08-Y1 | $\begin{aligned} & \hline \text { PY08QN } \\ & \text { PY08QN2 } \end{aligned}$ | $\begin{aligned} & \text { PY08QN-Y1 } \\ & \text { PY08QN2-Y1 } \end{aligned}$ | PY08-02 |
| 4 | $\begin{array}{\|l\|} \hline \text { PYF14A-E } \\ \text { PYF14A-N } \\ \hline \end{array}$ | PY14 | PY14-Y1 | $\begin{array}{\|l} \hline \text { PY14QN } \\ \text { PY14QN2 } \\ \hline \end{array}$ | PY14QN-Y1 PY14QN2-Y1 | PY14-02 |

## Socket Hold-down Clip Pairing

| Relay type | Poles | Front-connecting Socket (DIN-track/ screw mounting) |  | Back-connecting Socket |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Solder/Wire-wrap terminals |  | PCB terminals |  |
|  |  | Socket | Clip | Socket | Clip | Socket | Clip |
| Without 2-pole test button | 2 | PYF08A-E PYF08A-N | PYC-A1 | PY08(QN) | $\begin{array}{\|l\|} \hline \text { PYC-P } \\ \text { PYC-P2 } \end{array}$ | PY08-02 | $\begin{aligned} & \hline \text { PYC-P } \\ & \text { PYC-P2 } \end{aligned}$ |
|  | 4 | PYF14A-E PYF14A-N |  | PY14(QN) |  | PY14-02 |  |
| 2-pole test button | 2 | PYF08A-E PYF08A-N | PYC-E1 | PY08(QN) | PYC-P2 | PY08-02 | PYC-P2 |

## Mounting Plates for Sockets

| Socket model | For 1 Socket | For 18 Sockets | For 36 Sockets |
| :---: | :--- | :--- | :--- |
| PY08, PY08QN(2), PY14, PY14QN(2) | PYP-1 | PYP-18 | PYP-36 |

Note: PYP-18 and PYP-36 can be cut into any desired length in accordance with the number of Sockets.

## Track and Accessories

| Supporting Track (length $=\mathbf{5 0 0} \mathbf{m m}$ ) | PFP-50N |
| :--- | :--- |
| Supporting Track (length $=\mathbf{1 , 0 0 0} \mathbf{~ m m}$ ) | PFP-100N, PFP-100N2 |
| End Plate | PFP-M |
| Spacer | PFP-S |

## Specifications

## ■ Coil Ratings

| Rated voltage |  | Rated current |  | Coil <br> resistance <br> $12.2 \Omega$ | Coil inductance (reference value) |  | Must <br> operate <br> voltage$\%$ | Must <br> release <br> voltage Max. <br> voltage <br> of rated voltage  |  | Power consumption (approx.) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 50 Hz | 60 Hz |  | $$ | Arm. ON0.08 H | \% of rated voltage |  |  |  |
| AC | $6 \mathrm{~V}^{*}$ | 214.1 mA | 183 mA |  |  |  | 80\% max. | 30\% min. | 110\% | $\begin{aligned} & 1.0 \text { to } 1.2 \mathrm{VA} \\ & (60 \mathrm{~Hz}) \end{aligned}$ |
|  | 12 V | 106.5 mA | 91 mA | $46 \Omega$ | 0.17 H | 0.33 H |  |  |  |  |
|  | 24 V | 53.8 mA | 46 mA | $180 \Omega$ | 0.69 H | 1.30 H |  |  |  |  |
|  | 48/50 V* | $\begin{aligned} & 24.7 / \\ & 25.7 \mathrm{~mA} \end{aligned}$ | $\begin{aligned} & 21.1 / \\ & 22.0 \mathrm{~mA} \end{aligned}$ | $788 \Omega$ | 3.22 H | 5.66 H |  |  |  |  |
|  | 110/120 V | 9.9/10.8 mA | 8.4/9.2 mA | 4,430 $\Omega$ | 19.20 H | 32.1 H |  |  |  | $0.9 \text { to } 1.1 \mathrm{VA}$ |
|  | 220/240 V | $4.8 / 5.3 \mathrm{~mA}$ | 4.2/4.6 mA | 18,790 $\Omega$ | 83.50 H | 136.4 H |  |  |  |  |
| DC | $6 \mathrm{~V}^{*}$ | 151 mA |  | $39.8 \Omega$ | 0.17 H | 0.33 H |  | 10\% min. |  | 0.9 W |
|  | 12 V | 75 mA |  | $160 \Omega$ | 0.73 H | 1.37 H |  |  |  |  |
|  | 24 V | 37.7 mA |  | $636 \Omega$ | 3.20 H | 5.72 H |  |  |  |  |
|  | $48 \mathrm{~V}^{*}$ | 18.8 mA |  | 2,560 $\Omega$ | 10.60 H | 21.0 H |  |  |  |  |
|  | 100/110 V | 9.0/9.9 mA |  | 11,100 $\Omega$ | 45.60 H | 86.2 H |  |  |  |  |

Note: 1. The rated current and coil resistance are measured at a coil temperature of $23^{\circ} \mathrm{C}$ with tolerances of $+15 \% /-20 \%$ for rated currents and $\pm 15 \%$ for DC coil resistance.
2. Performance characteristic data are measured at a coil temperature of $23^{\circ} \mathrm{C}$.
3. $A C$ coil resistance and impedance are provided as reference values (at 60 Hz ).
4. Power consumption drop was measured for the above data. When driving transistors, check leakage current and connect a bleeder resistor if required.
5. Rated voltage denoted by "*" will be manufactured upon request. Ask your OMRON representative.

## Contact Ratings

| Item | 2-pole |  | 4-pole |  | 4-pole (bifurcated) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Resistive load $(\cos \phi=1)$ | Inductive load $(\cos \phi=0.4, L / R=7 \mathrm{~ms})$ | Resistive load $(\cos \phi=1)$ | Inductive load $(\cos \phi=0.4, L / R=7 \mathrm{~ms})$ | Resistive load $(\cos \phi=1)$ | Inductive load $(\cos \phi=0.4, L / R=7 \mathrm{~ms})$ |
| Rated load | 5A, 250 VAC 5A, 30 VDC | $\begin{aligned} & 2 \mathrm{~A}, 250 \mathrm{VAC} \\ & 2 \mathrm{~A}, 30 \mathrm{VDC} \end{aligned}$ | 3 A, 250 VAC <br> 3 A, 30 VDC | $\begin{aligned} & 0.8 \mathrm{~A}, 250 \mathrm{VAC} \\ & 1.5 \mathrm{~A}, 30 \mathrm{VDC} \end{aligned}$ | 3 A, 250 VAC <br> 3 A, 30 VDC | $\begin{aligned} & 0.8 \mathrm{~A}, 250 \mathrm{VAC} \\ & 1.5 \mathrm{~A}, 30 \mathrm{VDC} \end{aligned}$ |
| Carry current | 10 A (see note) |  | 5 A (see note) |  |  |  |
| Max. switching voltage | $\begin{aligned} & 250 \text { VAC } \\ & 125 \text { VDC } \end{aligned}$ |  | $\begin{aligned} & 250 \text { VAC } \\ & 125 \text { VDC } \end{aligned}$ |  |  |  |
| Max. switching current | 10 A |  | 5 A |  |  |  |
| Max. switching power | $\begin{aligned} & 2,500 \mathrm{VA} \\ & 300 \mathrm{~W} \end{aligned}$ | $\begin{aligned} & 1,250 \mathrm{VA} \\ & 300 \mathrm{~W} \end{aligned}$ | $\begin{aligned} & 1,250 \mathrm{VA} \\ & 150 \mathrm{~W} \end{aligned}$ | $\begin{aligned} & 500 \mathrm{VA} \\ & 150 \mathrm{~W} \end{aligned}$ | $\begin{aligned} & 1,250 \mathrm{VA} \\ & 150 \mathrm{~W} \end{aligned}$ | $\begin{aligned} & 500 \mathrm{VA} \\ & 150 \mathrm{~W} \end{aligned}$ |
| Failure rate (reference value) | $5 \mathrm{VDC}, 1 \mathrm{~mA}$ |  | $1 \mathrm{VDC}, 1 \mathrm{~mA}$ |  | 1 VDC, $100 \mu \mathrm{~A}$ |  |

Note: Don't exceed the carry current of a Socket in use. Please see page 9.

## Characteristics

| Item | All Relays |
| :---: | :---: |
| Contact resistance | $100 \mathrm{~m} \Omega$ max. |
| Operate time | 20 ms max . |
| Release time | 20 ms max . |
| Max. operating frequency | Mechanical: 18,000 operations $/ \mathrm{hr}$ <br> Electrical: 1,800 operations $/ \mathrm{hr}$ (under rated load) |
| Insulation resistance | $1,000 \mathrm{M} \Omega \mathrm{min}$. (at 500 VDC$)$ |
| Dielectric strength | 2,000 VAC, $50 / 60 \mathrm{~Hz}$ for 1.0 min ( $1,000 \mathrm{VAC}$ between contacts of same polarity) |
| Vibration resistance | Destruction: 10 to 55 to $10 \mathrm{~Hz}, 0.5 \mathrm{~mm}$ single amplitude ( 1.0 mm double amplitude) <br> Malfunction: 10 to 55 to $10 \mathrm{~Hz}, 0.5 \mathrm{~mm}$ single amplitude ( 1.0 mm double amplitude) |
| Shock resistance | Destruction: $1,000 \mathrm{~m} / \mathrm{s}^{2}$ <br> Malfunction: $200 \mathrm{~m} / \mathrm{s}^{2}$ |
| Endurance | See the following table. |
| Ambient temperature | Operating: $-55^{\circ} \mathrm{C}$ to $70^{\circ} \mathrm{C}$ (with no icing) |
| Ambient humidity | Operating: 5\% to 85\% |
| Weight | Approx. 35 g |

Note: The values given above are initial values.

## ■ Endurance Characteristics

| Pole | Mechanical life (at 18,000 operations/hr) | Electrical life <br> (at 1,800 operations/hr under rated load) |
| :--- | :--- | :--- |
| 2-pole | AC:50,000,000 operations min. |  |
| DC: $100,000,000$ operations min. | 500,000 operations min. |  |
| 4-pole | 200,000 operations min. |  |
| 4-pole (bifurcated) | $20,000,000$ operations min. | 100,000 operations min. |

Approved Standards
VDE Recognitions (File No. 112467UG, IEC 255, VDE 0435)

| No. of poles | Coil ratings | Contact ratings | Operations |
| :---: | :---: | :---: | :---: |
| 2 | $\begin{aligned} & 6,12,24,48 / 50,100 / 110 \\ & 110 / 120,200 / 220, \end{aligned}$ | $\begin{aligned} & 10 \mathrm{~A}, 250 \mathrm{VAC}(\cos \phi=1) \\ & 10 \mathrm{~A}, 30 \mathrm{VDC}(\mathrm{~L} / \mathrm{R}=0 \mathrm{~ms}) \end{aligned}$ | $10 \times 10^{3}$ |
| 4 | $\begin{aligned} & 220 / 240 \text { VAC } \\ & 6,12,24,48,100 / 110, \\ & 125 \text { VDC } \end{aligned}$ | 5 A, 250 VAC ( $\cos \phi=1$ ) $5 \mathrm{~A}, 30 \mathrm{VDC}(\mathrm{L} / \mathrm{R}=0 \mathrm{~ms})$ | $\begin{aligned} & 100 \times 10^{3} \\ & \text { MY4Z AC; } 50 \times 10^{3} \end{aligned}$ |

UL508 Recognitions (File No. 41515)

| No. of poles | Coil ratings | Contact ratings | Operations |
| :--- | :--- | :--- | :--- |
| 2 | 6 to 240 VAC <br> 6 to 125 VDC | $10 \mathrm{~A}, 30 \mathrm{VDC}$ (General purpose) <br> $10 \mathrm{~A}, 250 \mathrm{VAC}$ (General purpose) | $6 \times 10^{3}$ |
|  |  | $5 \mathrm{~A}, 250 \mathrm{VAC}$ (General purpose) <br> $5 \mathrm{~A}, 30 \mathrm{VDC}$ (General purpose) |  |

CSA C22.2 No. 14 Listings (File No. LR31928)

| No. of poles | Coil ratings | Contact ratings | Operations |
| :---: | :---: | :---: | :---: |
| 2 | 6 to 240 VAC 6 to 125 VDC | $\begin{aligned} & 10 \mathrm{~A}, 30 \mathrm{VDC} \\ & 10 \mathrm{~A}, 250 \mathrm{VAC} \end{aligned}$ | $6 \times 10^{3}$ |
| 4 |  | 5 A, 250 VAC (Same polarity) 5 A, 30 VDC (Same polarity) |  |

## IMQ (File No. EN013 to 016)

| No. of poles | Coil ratings | Contact ratings | Operations |
| :---: | :---: | :---: | :---: |
| 2 | $\begin{aligned} & 6,12,24,48 / 50,100 / 110 \\ & 110 / 120,200 / 220, \end{aligned}$ | $\begin{aligned} & 10 \mathrm{~A}, 30 \mathrm{VDC} \\ & 10 \mathrm{~A}, 250 \mathrm{VAC} \end{aligned}$ | $10 \times 10^{3}$ |
| 4 | 220/240 VAC <br> 6, 12, 24, 48, 100/110, 125 VDC | 5 A, 250 VAC 5 A, 30 VDC | $\begin{aligned} & 100 \times 10^{3} \\ & \text { MY4Z AC; } 50 \times 10^{3} \end{aligned}$ |

## LR Recognitions (File No. 98/10014)

| No. of poles | Coil ratings | Contact ratings | Operations |
| :---: | :---: | :---: | :---: |
| 2 | 6 to 240 VAC6 to 125 VDC | 10 A, 250 VAC (Resistive) 2 A, 250 VAC (PF0.4) $10 \mathrm{~A}, 30$ VDC (Resistive) $2 \mathrm{~A}, 30 \mathrm{VDC}$ (L/R=7 ms) | $50 \times 10^{3}$ |
| 4 |  | 5 A, 250 VAC (Resistive) 0.8 A, 250 VAC (PF0.4) 5 A, 30 VDC (Resistive) $1.5 \mathrm{~A}, 30 \mathrm{VDC}(\mathrm{L} / \mathrm{R}=7 \mathrm{~ms})$ | $50 \times 10^{3}$ |

## SEV Listings (File No. 99.5 50902.01)

| No. of poles | Coil ratings | Contact ratings | Operations |
| :---: | :---: | :---: | :---: |
| 2 | 6 to 240 VAC <br> 6 to 125 VDC | 10 A, 250 VAC $10 \mathrm{~A}, 30 \mathrm{VDC}$ | $10 \times 10^{3}$ |
| 4 |  | $\begin{aligned} & 5 \mathrm{~A}, 250 \mathrm{VAC} \\ & 5 \mathrm{~A}, 30 \mathrm{VDC} \end{aligned}$ | $\begin{aligned} & 100 \times 10^{3} \\ & \text { MY4Z AC; } 50 \times 10^{3} \end{aligned}$ |

## Engineering Data

## Maximum Switching Power



Endurance


MY4 (Resistive Loads)



MY2 (Inductive Loads)


MY4 (Inductive Loads)



MY4Z (Inductive Loads)


## Dimensions

Note: All units are in millimeters unless otherwise indicated.

## 2-Pole Models

MY2N


## 4-Pole Models

MY4N


## Models with Test Button

MY2IN


MY4IN


## Terminal Arrangement/Internal Connections (Bottom View)

MY2


MY4(Z)


MY2N/MY2IN (AC Models)


MY2N-CR/MY2IN-CR (AC Models Only)


MY4(Z)N/MY4(Z)IN (AC Models)


MY4(Z)N-CR/MY4(Z)IN-CR (AC Models Only)


MY2N/MY2IN (DC Models)


MY2N1/MY2IN1 (DC Models Only)


MY4(Z)N/MY4(Z)IN (DC Models)


MY4(Z)N1/MY4(Z)IN1 (DC Models Only)


MY2N-D2/MY2IN-D2 (DC Models Only)


MY2N1-D2/MY2IN1-D2 (DC Models Only)


MY4(Z)N-D/MY4(Z)IN-D2 (DC Models Only)


MY4(Z)N1-D2/MY4(Z)IN1-D2 (DC Models Only)


Note: The DC models have polarity.

## Socket for MY

## Track-mounted (DIN Track) Socket

 Conforms to VDE 0106, Part 100- Snap into position along continuous sections of any mounting track.
- Facilitates sheet metal design by standardized mounting dimensions.
- Design with sufficient dielectric separation between terminals eliminates the need of any insulating sheet.



## Safety Standards for Sockets

| Model | Standards | File No. |
| :--- | :--- | :--- |
| PYF08A-E, PYF08A-N <br> PYF14A-E, PYF14A-N | UL508 | E87929 |
|  | CSA22.2 | LR31928 |

## Back-connecting Sockets



## Specifications

| Item | Pole | Model | Carry current | Dielectric withstand voltage | Insulation resistance (see note 2) |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Screwless Clamp Terminal Socket | 2 | PYF08S | 10 A | 2,000 VAC, 1 min | Less than 1,000 M |
|  | 4 | PYF14S | 5 A |  |  |
| Track-mounted Socket | 2 | PYF08A-E | 7 A | 2,000 VAC, 1 min | 1,000 M |
|  |  | PYF08A-N (see note 3) | 7 A (see note 4) |  |  |
|  | 4 | PYF14A-E | 5 A |  |  |
|  |  | PYF14A-N (see note 3) | 5 A (see note 4) |  |  |
| Back-connecting Socket | 2 | PY08(-Y1) | 7 A | 1,500 VAC, 1 min | $100 \mathrm{M} \Omega \mathrm{min}$. |
|  |  | PY08QN(-Y1) |  |  |  |
|  |  | PY08-02 |  |  |  |
|  | 4 | PY14(-Y1) | 3 A |  |  |
|  |  | PY14QN(-Y1) |  |  |  |
|  |  | PY14-02 |  |  |  |

Note: 1. The values given above are initial values.
2. The values for insulation resistance were measured at 500 V at the same place as the dielectric strength.
3. The maximum operating ambient temperature for the PYF08A-N and PYF14A-N is $55^{\circ} \mathrm{C}$.
4. When using the PYF08A-N or PYF14A-N at an operating ambient temperature exceeding $40^{\circ} \mathrm{C}$, reduce the current to $60 \%$.
5. The MY2(S) can be used at $70^{\circ} \mathrm{C}$ with a carry current of 7 A .

## - Dimensions

Note: All units are in millimeters unless otherwise indicated.

| Socket | Dimensions | Terminal arrangement/ Internal connections (top view) | Mounting holes |
| :---: | :---: | :---: | :---: |
|  | (5) |  | --- |
|  |  |  | Two, M3, M4, or 4.5-dia. holes <br> (TOP VIEW) <br> Note: Track mounting is also possible. Refer to page 12 for supporting tracks. |
| PYF08A-N |  |  | Note: Track mounting is also possible. Refer to page 12 for supporting tracks. |


| Socket | Dimensions | Terminal arrangement/ Internal connections (top view) | Mounting holes |
| :---: | :---: | :---: | :---: |
|  |  |  | --- |
|  |  |  | Two, M3, M4, or 4.5-dia. holes <br> (TOP VIEW) <br> Note: Track mounting is also possible. Refer to page 12 for supporting tracks. |
|  |  |  | Note: Track mounting is also possible. Refer to page 12 for supporting tracks. |



Note: Use a panel with plate thickness of 1 to 2 mm for mounting the Sockets.

## Hold-down Clips

PYC-A1
(2 pcs per set)


PYC-P


PYC-E1
(2 pcs per set)


PYC-P2


## Mounting Plates for Back-connecting Sockets

PYP-


PYP-18



## OmROn

## Tracks and Accessories

## Supporting Tracks

PFP-50N/PFP-100N


PFP-100N2
PFP-100N2


Note: The figure in the parentheses is for PFP-50N.


## End Plate

PFP-M


Spacer
PFP-S

## Precautions

Refer to General Precautions on page 11 of the General-purpose Relays and Power Relays Group Catalog (X034).

## Connections

Do not reverse polarity when connecting DC-operated Relays with built-in diodes or indicators or high-sensitivity DC-operated Relays.

## Mounting

- Whenever possible, mount Relays so that it is not subject to vibration or shock in the same direction as that of contact movement.

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.
To convert millimeters into inches, multiply by 0.03937 . To convert grams into ounces, multiply by 0.03527 .

Cat. No. J111-E1-03 In the interest of product improvement, specifications are subject to change without notice.

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The following are some examples of applications for which particular attention must be given. This is not intended to be an exhaustive list of all possible uses of the products, nor is it intended to imply that the uses listed may be suitable for the products:

- Outdoor use, uses involving potential chemical contamination or electrical interference, or conditions or uses not described in this catalog.
- Nuclear 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.
- Systems, machines, and equipment that could present a risk to life or property.

Please know and observe all prohibitions of use applicable to the products.
NEVER USE THE PRODUCTS 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.

## Disclaimers

## CHANGE IN SPECIFICATIONS

Product specifications and accessories may be changed at any time based on improvements and other reasons.
It is our practice to change model numbers when published ratings or features are changed, or when significant construction changes are made. However, some specifications of the product may be changed without any notice. When in doubt, special model numbers may be assigned to fix or establish key specifications for your application on your request. Please consult with your OMRON representative at any time to confirm actual specifications of purchased product.

## DIMENSIONS AND WEIGHTS

Dimensions and weights are nominal and are not to be used for manufacturing purposes, even when tolerances are shown.

## ERRORS AND OMISSIONS

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