# A165K

CSM\_A165K\_DS\_E\_3\_1

# **Separate Construction with Cylindrical 16-dia. Body**

- Short mounting depth, less than 28.5 mm below panel
- Wide range of switching capacity from standard to microload
- Oil-resistant IP65 models



 $\Lambda$ 

Refer to Safety Precautions for All Pushbutton Switches and Safety Precautions on page 11.

## **List of Models**

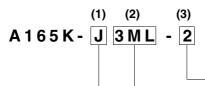
|                                      | Model          |                |                |  |  |  |  |  |
|--------------------------------------|----------------|----------------|----------------|--|--|--|--|--|
|                                      | Rectangular    | Square         | Round          |  |  |  |  |  |
| Solder<br>terminals                  | A165K-J Series | A165K-A Series | A165K-T Series |  |  |  |  |  |
| Screw-<br>less<br>clamp<br>connector | A165K-J Series | A165K-A Series | A165K-T Series |  |  |  |  |  |

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## **Model Number Structure**

Model Number Legend ..... The model numbers used to order sets of Units are illustrated below. One set comprises the Selector, Switch, and 2 Keys.

For information on combinations, refer to Ordering Information on page 3.



## (1) Shape of Selector —

| Symbol | Shape       | Color |
|--------|-------------|-------|
| J      | Rectangular |       |
| Α      | Square      | Black |
| Т      | Round       |       |

## (2) Number of Notches/Resetting Method

| •      |                |                 |                            |  |  |  |  |
|--------|----------------|-----------------|----------------------------|--|--|--|--|
| Symbol | No. of notches | Reset<br>method | Key release position       |  |  |  |  |
| 2ML    |                |                 | Left                       |  |  |  |  |
| 2MR    | 2 notches      | Manual          | Right                      |  |  |  |  |
| 2M     | 2 110101165    |                 | Left and right             |  |  |  |  |
| 2AL    |                | Automatic       | Left                       |  |  |  |  |
| ЗМС    |                |                 | Center                     |  |  |  |  |
| 3MR    |                |                 | Right                      |  |  |  |  |
| 3ML    | 3 notches      | Manual          | Left                       |  |  |  |  |
| ЗМ     |                |                 | Left, right,<br>and center |  |  |  |  |
| 3AC    | 3 notches      | Automatic       | Center                     |  |  |  |  |

## (3) Contact Configuration

| Symbol | Type | Terminal         |
|--------|------|------------------|
| 1      | SPDT | Solder Terminal  |
| 2      | DPDT | Solder Terminal  |
| 2S     | DPDT | Screw-less Clamp |

Note: Only DPDT contacts are available with 3-notch models.

Ordering as a Set ......The model numbers used to order sets of Units are given in the following tables. One set comprises the Selector, Switch and 2 Keys.

#### **Solder Terminals**

Rectangular Models

Oil-resistant IP65



| Number of notches | Output | Reset method |           | Key release position    | Model        |
|-------------------|--------|--------------|-----------|-------------------------|--------------|
|                   |        |              |           | Left                    | A165K-J2ML-1 |
|                   | SPDT   | Manual       | <b>/</b>  | Right                   | A165K-J2MR-1 |
|                   | 3501   |              |           | Left and right          | A165K-J2M-1  |
| 2 notches         |        | Automatic <  | $\supset$ | Left                    | A165K-J2AL-1 |
| 2 notches         | DPDT   |              | <u> </u>  | Left                    | A165K-J2ML-2 |
|                   |        | Manual       |           | Right                   | A165K-J2MR-2 |
|                   |        |              |           | Left and right          | A165K-J2M-2  |
|                   |        | Automatic    | $\supset$ | Left                    | A165K-J2AL-2 |
|                   |        |              | <b>*</b>  | Center                  | A165K-J3MC-2 |
| O notoboo         | DDDT   | Manual       |           | Right                   | A165K-J3MR-2 |
| 3 notches         | DPDT   | Iviariuai    |           | Left                    | A165K-J3ML-2 |
|                   |        |              |           | Left, right, and center | A165K-J3M-2  |

Square Models

Oil-resistant IP65



| Number of notches | Output | Reset method |            | Key release position    | Model        |
|-------------------|--------|--------------|------------|-------------------------|--------------|
|                   |        |              |            | Left                    | A165K-A2ML-1 |
|                   | SPDT   | Manual       | <b>/</b>   | Right                   | A165K-A2MR-1 |
|                   | 3501   |              |            | Left and right          | A165K-A2M-1  |
| 2 notches         |        | Automatic <  | $\Diamond$ | Left                    | A165K-A2AL-1 |
| 2 Holdries        | DPDT   |              | V          | Left                    | A165K-A2ML-2 |
|                   |        | Manual       |            | Right                   | A165K-A2MR-2 |
|                   |        |              |            | Left and right          | A165K-A2M-2  |
|                   |        | Automatic <  | $\Diamond$ | Left                    | A165K-A2AL-2 |
|                   |        |              | <b>\</b>   | Center                  | A165K-A3MC-2 |
| 3 notches         | DPDT   | Manual       |            | Right                   | A165K-A3MR-2 |
| 3 HOLLINES        | וטרטו  | Iviaiiuai    |            | Left                    | A165K-A3ML-2 |
|                   |        |              |            | Left, right, and center | A165K-A3M-2  |

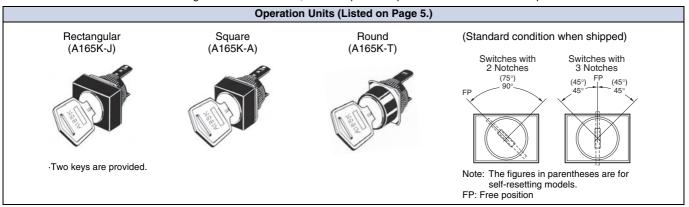
Round Models

Oil-resistant IP65

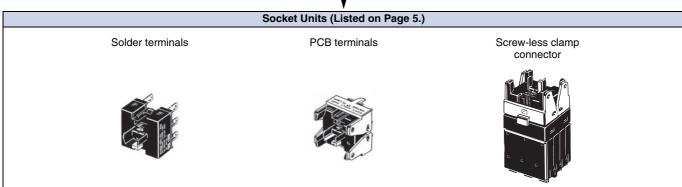


| Number of<br>notches | Output | Reset method |              | Key release position    | Model        |
|----------------------|--------|--------------|--------------|-------------------------|--------------|
|                      |        |              |              | Left                    | A165K-T2ML-1 |
|                      | SPDT   | Manual       | $\checkmark$ | Right                   | A165K-T2MR-1 |
|                      | 3501   |              |              | Left and right          | A165K-T2M-1  |
| 2 notches            |        | Automatic    | $\Diamond$   | Left                    | A165K-T2AL-1 |
| 2 notches            | DPDT   |              | <u> </u>     | Left                    | A165K-T2ML-2 |
|                      |        | Manual       |              | Right                   | A165K-T2MR-2 |
|                      |        |              |              | Left and right          | A165K-T2M-2  |
|                      |        | Automatic    | $\Diamond$   | Left                    | A165K-T2AL-2 |
|                      |        |              | <b>\</b>     | Center                  | A165K-T3MC-2 |
| 3 notches            | DPDT   | Manual       |              | Right                   | A165K-T3MR-2 |
| 3 notches            | DPD1   | Manuai       |              | Left                    | A165K-T3ML-2 |
|                      |        |              |              | Left, right, and center | A165K-T3M-2  |
| -                    |        |              |              |                         |              |

**Ordering Individually**........ Selectors and Switches can be ordered separately. Combinations that are not available as sets can be created using individual Units. Also, store the parts as spares for maintenance and repairs.







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Ordering Individually ....... Selectors and Switches can be ordered separately. Combinations that are not available as sets can be created using individual Units. Also, store the parts as spares for maintenance and repairs.

#### Selectors

| Appearance  | Number of notches | Reset method           | Key release position | Model      |
|-------------|-------------------|------------------------|----------------------|------------|
| Rectangular |                   |                        | $\bigcirc$           | A165K-J2ML |
| (A165K-J)   | 2 notches         | Manual                 | $\bigcirc$           | A165K-J2MR |
|             | 2 Holdries        |                        | $\otimes$            | A165K-J2M  |
|             |                   | Automatic 🕥            | $\bigcirc$           | A165K-J2AL |
| Ellis       |                   |                        | 1                    | A165K-J3MC |
|             |                   | Manual                 | Ø                    | A165K-J3MR |
|             | 3 notches         | Manual                 | $\bigcirc$           | A165K-J3ML |
|             |                   |                        | *                    | A165K-J3M  |
|             |                   | Automatic (1)          | 1                    | A165K-J3AC |
| Square      |                   |                        | $\bigcirc$           | A165K-A2ML |
| A165K-A)    | 2 notches         | Manual                 | Ø                    | A165K-A2MR |
|             | 2 notches         |                        | $\otimes$            | A165K-A2M  |
|             |                   | Automatic 🕥            | $\bigcirc$           | A165K-A2AL |
| Elling      |                   |                        | 1                    | A165K-A3MC |
|             | 3 notches         | Manual                 | Ø                    | A165K-A3MR |
|             |                   | Manual                 | $\bigcirc$           | A165K-A3ML |
|             |                   |                        | *                    | A165K-A3M  |
|             |                   | Automatic (1)          | (1)                  | A165K-A3AC |
| Round       |                   |                        | $\bigcirc$           | A165K-T2ML |
| A165K-T)    | 2 notches         | Manual                 | (/)                  | A165K-T2MR |
|             | 2 notches         |                        | ×                    | A165K-T2M  |
|             |                   | Automatic (\hat{\cap}) | $\bigcirc$           | A165K-T2AL |
|             |                   |                        | 1                    | A165K-T3MC |
| Mail 1      |                   | Manual                 | Ø                    | A165K-T3MR |
|             | 3 notches         | iviariuai              | $\bigcirc$           | A165K-T3ML |
|             |                   |                        | *                    | A165K-T3M  |
|             |                   | Automatic (i)          | (1)                  | A165K-T3AC |

### **Switches**

| Appearance | Classification |            |      |                 |            |  |
|------------|----------------|------------|------|-----------------|------------|--|
| ≈ .        |                | 2 notches  | SPDT |                 | A16S-2N-1  |  |
|            | Switch         | 2 Holdries | DPDT | Solder terminal | A16S-2N-2  |  |
|            |                | 3 notches  | DPDT |                 | A16S-3N-2  |  |
|            |                |            | SPDT | DCD torminal    | A16S-2N-1P |  |
|            |                | 2 notches  | DPDT | PCB terminal    | A16S-2N-2P |  |

## **Switches with Screw-less Clamp**

| Appearance |  | Model | Remarks   |                                 |             |   |
|------------|--|-------|-----------|---------------------------------|-------------|---|
|            | Common to standard load and microload. | DDDT  | 2 notches | Non lighted                     | A16-2S      | Common to ones for pushbutton switches. |
|            |  | DPDT  | 3 notches | <ul> <li>Non-lighted</li> </ul> | A16S-3N-2LS |   |

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# Accessories and Tools (Order Separately)

#### **Accessories**

| Name        | Appearance   | Classification | Model      | Remarks  |  |
|-------------|--|----------------|------------|--|--|
| Panel Plugs |  | Rectangular    | A16ZJ-3003 | Used for covering the panel cutouts for future panel |  |
|             | The state of the s | Square         | A16ZA-3003 | expansion.   |  |
|             |  | Round          | A16ZT-3003 | Degree of protection: IP40<br>Color: Black           |  |

#### **Tools**

|               |            | Model     |                      |                                 |                                |                             |           |  |
|---------------|------------|-----------|----------------------|---------------------------------|--------------------------------|-----------------------------|-----------|--|
| Name          | Appearance |           | Pushbutton<br>Switch | Knob-type<br>Selector<br>Switch | Key-type<br>Selector<br>Switch | Emergency<br>Stop<br>Switch | Indicator | Remarks  |
| Screw Fitting |            | A16Z-3004 | Yes                  | Yes                             | Yes                            | Yes                         | Yes       | Convenient for ganged installation.                                    |
| Extractor     |            | A16Z-5080 | Yes                  | Yes                             | Yes                            | Yes                         | Yes       | Convenient for extracting the Lamp from a Solder-terminal Socket Unit. |

## Key

| Appearance | Model     |  |
|------------|-----------|--|
|            | A165K-KEY |  |

Note: Two Keys are provided.

Ordering as a Set: Refer to page 3.

- Specifications, and dimensions: Refer to page 7 to 10.
- Accessories, replacements, and tools: Refer to this page.

## **Specifications**

## **Approved Standard Ratings**

## UL, cUL (File No. E41515)

5 A at 125 VAC, 3 A at 250 VAC (general use) 3 A at 30 VDC (resistive)

Note: Certification has been obtained for the Switch Unit. For detailed information on individual products that have received certification, consult your supplier.

#### TÜV (EN60947-5-1) (Low Voltage Directive)

3 A at 250 VAC 3 A at 30 VDC

## CCC (GB14048.5)

5 A at 125 VAC 3 A at 250 VAC 3 A at 30 VDC

## **Ratings**

## Contacts

| Rated voltage | Resistive load |
|---------------|----------------|
| 125 VAC       | 5 A            |
| 250 VAC       | 3 A            |
| 30 VDC        | 3 A            |

Minimum applicable load: 1 mA at 5 VDC
Rated values are obtained from tests conducted under the following conditions.

- 1. Load: Resistive load
- 2. Mounting conditions: No vibration and no shock
- 3. Temperature: 20±2°C
- 4. Operating frequency: 20 times/min

#### **Contact Form**

| Name | Contact form |  |  |
|------|--------------|--|--|
| SPDT | COM NO       |  |  |

## **Characteristics Socket Units**

|                               |  | -   |  |  |
|-------------------------------|--|---|--|--|
| Item Type                     |  | Key-type Selector Switch  |  |  |
| Allowable                     | Mechanical                               | 20 operations/minute max.   |  |  |
| operating frequency           | Electrical                               | 10 operations/minute max.   |  |  |
| Insulation re                 | sistance                                 | 100 MΩ min. (at 500 VDC)  |  |  |
| Dielectric<br>strength        | Between terminals of same polarity       | 1,000 VAC, 50/60 Hz for 1 minute                                    |  |  |
|                               | Between terminals of different polarity  | 2,000 VAC, 50/60 Hz for 1 minute                                    |  |  |
|                               | Between each ter-<br>minal and ground    | 2,000 VAC, 50/60 Hz for 1 minute                                    |  |  |
| Vibration resistance          | Malfunction                              | 10 to 55 Hz, 1.5-mm double amplitude (malfunction within 1 ms)      |  |  |
| Shock resistance              | Destruction                              | 500 m/s <sup>2</sup>  |  |  |
|                               | Malfunction                              | 150 m/s <sup>2</sup> max. (malfunction within 1 ms)                 |  |  |
| Durability                    | Mechanical                               | 250,000 operations min. (durability of key: 10,000 operations min.) |  |  |
|                               | Electrical                               | 100,000 operations min.   |  |  |
| Electric shoo                 | ck protection                            | Class II  |  |  |
| PTI (tracking                 | characteristic)                          | 175   |  |  |
| Degree of co                  | Degree of contamination 3 (IEC60947-5-1) |   |  |  |
| Weight                        |  | Approx. 26.5 g (in the case of a DPDT switch key)                   |  |  |
| Ambient operating temperature |  | -10°C to 55°C (with no icing or condensation)                       |  |  |
| Ambient operating humidity    |  | 35% to 85%RH  |  |  |
| Ambient storage temperature   |  | −25°C to 65°C<br>(with no icing or condensation)                    |  |  |

## **Screw-less Clamp**

| Item                             | Туре             | Screw-less Clamp                               |                     |                      |                      |
|----------------------------------|------------------|--|---------------------|----------------------|----------------------|
| Recomme                          | nded wire size   | 0.5 mm² twisted wire or 0.8 mm-dia. solid wire |                     |                      | solid wire           |
| Usable                           | Twisted wire     | 0.3 mm <sup>2</sup>                            | 0.5 mm <sup>2</sup> | 0.75 mm <sup>2</sup> | 1.25 mm <sup>2</sup> |
| wires and<br>tensile<br>strength | Solid wire       | 0.5 mm dia.                                    | 0.8 mm dia.         | 1.0 mm dia.          |                      |
|                                  | Tensile strength | 10 N   | 20 N                | 30 N                 | 40 N                 |
| Length of                        | exposed wire     | 10 ±1 mm                                       |                     |                      |                      |
| Complian                         | nt standards     | JIS C 2811 Terminal Blocks for Industrial Use  |                     |                      |                      |

## **Operating Characteristics**

| Туре                      | Key-type Selector Switch |  |  |  |
|---------------------------|--------------------------|--|--|--|
| Characteristics           | 2 notches 3 notches      |  |  |  |
| Operating force (OF) max. | 0.1 N·m                  |  |  |  |
| Set position (SP)         | 90±5° 45°+10 0           |  |  |  |

## **Operation Angle**

Two notches Three notches (75°)

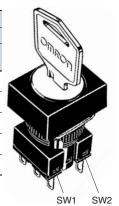




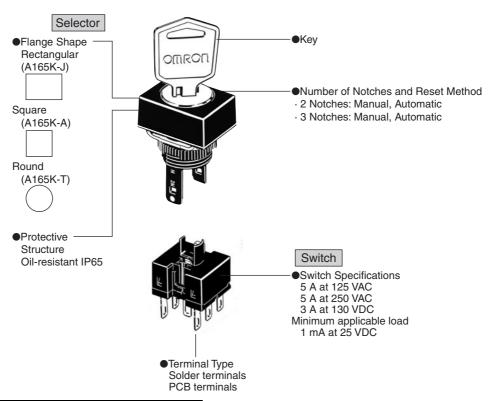
Note: The angle used for automatic reset is shown in parentheses. FP: Free position

#### **Contact Configuration**

|         | Contact configuration |    |               |     |            |
|---------|-----------------------|----|---------------|-----|------------|
| No. of  |                       |    | DPDT          |     |            |
| notches | Posi-<br>tion         | sw | Posi-<br>tion | SW1 | SW2        |
| 2       | 2 🕙 o                 |    | $\odot$       | ••  | •          |
| notches | $\bigcirc$            | δ. | $\bigcirc$    | δ.  | <i>§</i> • |
|         |                       |    | $\odot$       | • 6 | ••         |
| notches |                       |    | $\bigcirc$    | 90  | •          |
|         |                       |    | $\bigcirc$    | 10  | \$         |



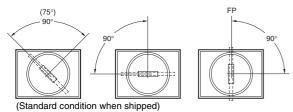
## **Model Structure**



#### The flange can be rotated to easily change the operation angle of the knob.

For information on rotating the flange, refer to the A165S/W datasheet.

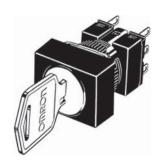
Example: Knob-type Selector Switch with Two Notches

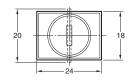


Note: The angle is 75° for self-resetting models.

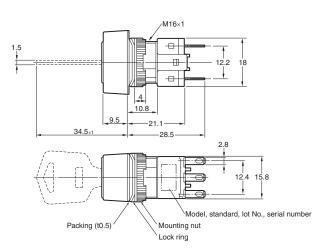
(Unit: mm)

## Rectangular A165K-J Solder terminals (tab terminals #110)





\* Refer to the A165S/W for Panel cutouts.

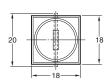


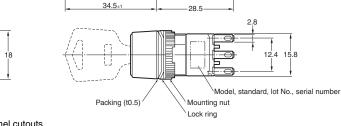
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Square A165K-A

## Solder terminals (tab terminals #110)





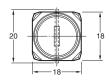


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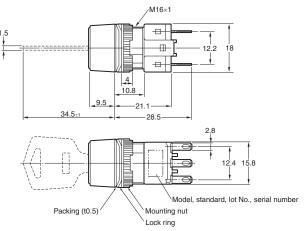
\* Refer to the A165S/W for Panel cutouts.

## Round A165K-T Solder terminals (tab terminals #110)

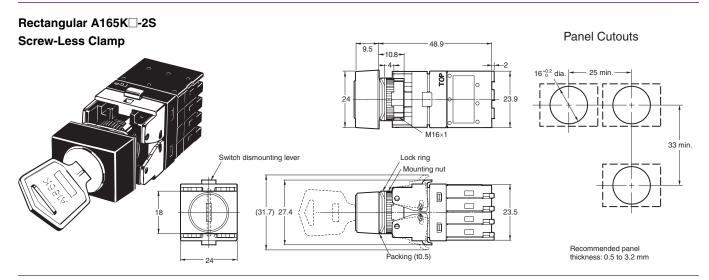




\* Refer to the A165S/W for Panel cutouts.



Dimensions • The Dimension shows 2-switch outputs. • The lamp terminal is also provided with non-lighted models. • A rectangular model is listed as an example. (Unit: mm)



## **Terminal Arrangement**

For information on the terminal arrangement, refer to the A165S/W datasheet.

## **Panel Mounting and Socket Unit Mounting and Removal**

Refer to the A16 Pushbutton Switch datasheet.

#### Flange Rotation

Refer to the A165S/W datasheet.

## **Safety Precautions**

### Refer to Safety Precautions for All Pushbutton Switches.

## **MARNING**

Do not apply a voltage between the incandescent lamp and the terminal that is greater than the rated voltage. If the incandescent lamp is broken, the operating part may pop out.



Always turn OFF the power and wait for 10 minutes before replacing the incandescent lamp. If the lamp is replaced immediately after the power is turned OFF, the remaining heat may cause burns.



#### **Precautions for Correct Use**

#### Mounting

- Always make sure that the power is turned OFF before mounting, removing, or wiring the Switch, or performing maintenance.
- Do not tighten the mounting nut more than necessary using tools such as pointed-nose pliers. Doing so will damage the mounting nut

The tightening torque is 0.29 to 0.49 N·m.

#### Wiring

- Solder terminals and quick-connect terminals (#110) are commonly used for terminals
- Be sure to use electrical wires that are a size appropriate for the applied voltage and carry current (conductor size is 0.5 to 0.75 mm²). Perform soldering according to the conditions provided below. If the soldering is not properly performed, the lead wires will become detached, resulting in short-circuits.
- 1. Hand soldering: 350°C, within 3 s
- Dip soldering: 350°C, within 3 s
   Wait for one minute after soldering before exerting any external force on the solder.
- Use non-corrosive resin fluid as the flux.
- Make sure that the electric cord is wired so that it does not touch the Unit. If the electric cord touches the Unit, then electric wires with a heat resistance of 100°C min. must be used.
- After wiring the Switch, maintain an appropriate clearance and creepage distance.

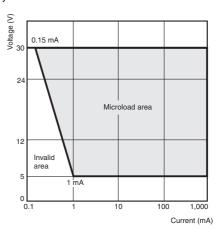
#### **Operating Environment**

• The IP65 model is designed with a degree of protection so that it will not sustain damage if it is subjected to water from any direction to the front of the panel.

#### **Using the Microload**

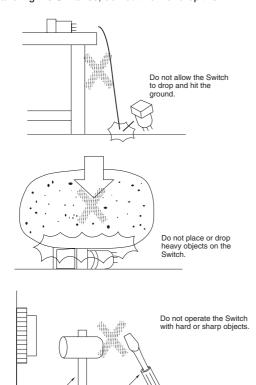
- Insert a contact protection circuit, if necessary, to prevent the reduction of life expectancy due to extreme wear on the contacts caused by loads where inrush current occurs when the contact is opened and closed.
- The A16 allows both a standard load (125 V at 5A, 250 V at 3 A) and a microload. If a standard load is applied, however, the microload area cannot be used. If the microload area is used with a standard load, the contact surface will become rough, and the opening and closing of the contact for a microload may become unreliable.
- The minimum applicable load is the N-level reference value. This value indicates the malfunction reference level for the reliability level of 60% (λ 60) (conforming to JIS C5003).

The equation,  $\lambda$  60 = 0.5 × 10<sup>-4</sup>/operations indicates that the estimated malfunction rate is less than 1/2,000,000 operations with a reliability level of 60%.



#### **Others**

- The oil-resistant IP65 uses NBR rubber and is resistant to general cutting oil and cooling oil. Some particular oils cannot be used with the oil-resistant IP65, however, so contact your OMRON representative for details.
- If the panel is to be finished with coating, etc., make sure that the panel meets the specified dimensions after the coating.
- Do not subject the Switch to extreme shock or vibration. Doing so
  will cause malfunctions and damage to the Switch.
   Do not let sharp objects come into contact with the Switches that
  are made of resin. Doing so will damage the Switches, causing
  scratches on the outside of the operating parts, and malfunction.
   When handling the Switches, do not throw or drop them.



#### Read and Understand This Catalog

Please read and understand this catalog before purchasing the products. Please consult your OMRON representative if you have any questions or comments.

#### Warranty and Limitations of Liability

#### WARRANTY

OMRON's exclusive warranty is that the products are free from defects in materials and workmanship for a period of one year (or other period if specified) from date of sale by OMRON.

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IN NO EVENT SHALL OMRON BE RESPONSIBLE FOR WARRANTY, REPAIR, OR OTHER CLAIMS REGARDING THE PRODUCTS UNLESS OMRON'S ANALYSIS CONFIRMS THAT THE PRODUCTS WERE PROPERLY HANDLED, STORED, INSTALLED, AND MAINTAINED AND NOT SUBJECT TO CONTAMINATION, ABUSE, MISUSE, OR INAPPROPRIATE MODIFICATION OR REPAIR.

#### **Application Considerations**

#### **SUITABILITY FOR USE**

OMRON shall not be responsible for conformity with any standards, codes, or regulations that apply to the combination of products in the customer's application or use of the products.

At the customer's request, OMRON will provide applicable third party certification documents identifying ratings and limitations of use that apply to the products. This information by itself is not sufficient for a complete determination of the suitability of the products in combination with the end product, machine, system, or other application or use.

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 PRODUCTS ARE PROPERLY RATED AND INSTALLED FOR THE INTENDED USE WITHIN THE OVERALL EQUIPMENT OR SYSTEM.

## PROGRAMMABLE PRODUCTS

OMRON shall not be responsible for the user's programming of a programmable product, or any consequence thereof.

#### **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 products 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 products.

#### **DIMENSIONS AND WEIGHTS**

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

#### PERFORMANCE DATA

Performance data given in this catalog is provided as a guide for the user in determining suitability and does not constitute a warranty. It may represent the result of OMRON's test conditions, and the users must correlate it to actual application requirements. Actual performance is subject to the OMRON Warranty and Limitations of Liability.

#### **ERRORS AND OMISSIONS**

The information in this document has been carefully checked and is believed to be accurate; however, no responsibility is assumed for clerical, typographical, or proofreading errors, or omissions.

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In the interest of product improvement, specifications are subject to change without notice.





OOO «ЛайфЭлектроникс" "LifeElectronics" LLC

ИНН 7805602321 КПП 780501001 P/C 40702810122510004610 ФАКБ "АБСОЛЮТ БАНК" (ЗАО) в г.Санкт-Петербурге К/С 3010181090000000703 БИК 044030703

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

#### Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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