A165S/W

CSM_A165S_W_DS_E_4_1

Separate Construction with Cylindrical 16-dia. Body

- Same separate construction as the A16-series Pushbuttons with Miniature Design of 28.5 mm
- The same contacts can be used for both standard loads and microloads.
- Oil-resistant IP65 models
- Conforms to EN60947-5-1.



 Λ

Refer to Safety Precautions for All Pushbutton Switches and Safety Precautions on page 15.

List of Models

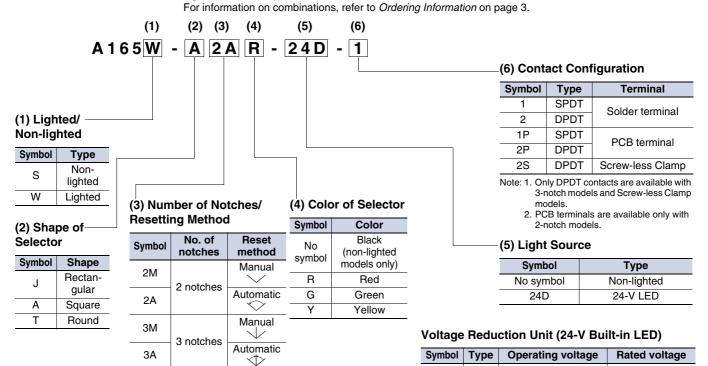
	Model						
	Rectangular	Square	Round				
Solder terminals	A165□-J Series	A165□-A Series	A165□-T Series				
Voltage- reduction lighting	A165□-J Series	A165□-A Series	A165□-T Series				
Screw- less clamp connector	A165□-J Series	A165□-A Series	A165□-T Series				

110 VAC/VDC

220 VAC/VDC

Model Number Structure

Model Number Legend The model numbers used to order sets of Units are illustrated below. One set comprises the Selector, Lamp (lighted models only), and Switch.



200/220 VAC/VDC Note: 1. Solder terminals are only available with 100-V models.

100/110 VAC/VDC

T1

T2

LED

^{2.} The Voltage Reduction Unit is not available for models with

^{3. &}quot;T2" is available only for the Screw-less Clamp type.

Ordering as a SetThe model numbers used to order sets of Units are given in the following tables. One set comprises the Selector, Lamp (lighted models only), and Switch.

Solder Terminals

Rectangular



A165□-J

Oil-resistant IP65

No. of notches	Output	Reset method	Lighting method	Model
		Manual 🗸	LED	A165W-J2M□-24D-1
	SPDT	Ivialiual 🗸	Non-lighted	A165S-J2M-1
	אסיים	Automatic 💙	LED	A165W-J2A□-24D-1
2 notches		Automatic	Non-lighted	A165S-J2A-1
		Manual V	LED	A165W-J2M□-24D-2
	DDDT		Non-lighted	A165S-J2M-2
	DPDT	Automatic 🔷	LED	A165W-J2A□-24D-2
			Non-lighted	A165S-J2A-2
3 notches	DPDT	Manual \/	LED	A165W-J3M□-24D-2
	וטייט	Manual 🗸	Non-lighted	A165S-J3M-2

Note: Enter the desired color symbol for the Selector in \square : R (red); Y (yellow); G (green). The Selector for non-lighted models is black.

Square

Oil-resistant IP65



A165□-A

No. of notches	Output	Reset method	Lighting method	Model
		Manual \	LED	A165W-A2M□-24D-1
	SPDT	Iviai iuai 🗸	Non-lighted	A165S-A2M-1
	SFDT	Automatic 🔝	LED	A165W-A2A -24D-1
2 notches		Automatic	Non-lighted	A165S-A2A-1
2 Holdries	DPDT	Manual 🗸	LED	A165W-A2M□-24D-2
			Non-lighted	A165S-A2M-2
		Automatic 🔝	LED	A165W-A2A□-24D-2
		Automatic 💙	Non-lighted	A165S-A2A-2
3 notches	DPDT	Manual 🗸	LED	A165W-A3M□-24D-2
	DFD1	Manual V	Non-lighted	A165S-A3M-2

Note: Enter the desired color symbol for the Selector in \square : R (red); Y (yellow); G (green). The Selector for non-lighted models is black.

Round

Oil-resistant IP65

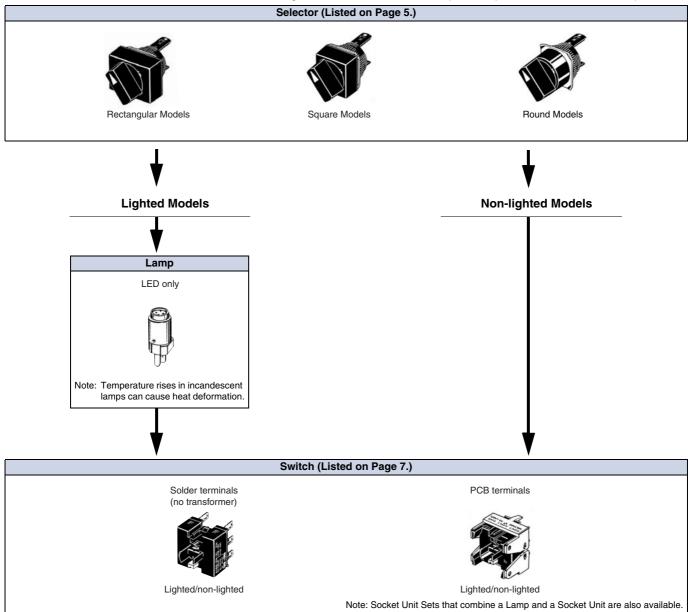


A165□-T

No. of notches	Output	Reset method	Lighting method	Model
2 notches		Manual 🟏	LED	A165W-T2M□-24D-1
	SPDT	Ivialiuai 🗸	Non-lighted	A165S-T2M-1
	SPDT	Automatic 💙	LED	A165W-T2A□-24D-1
		Adiomatic	Non-lighted	A165S-T2A-1
2 Holdries	DPDT	Manual \/	LED	A165W-T2M□-24D-2
		Iviariuai 🗸	Non-lighted	A165S-T2M-2
		Automatic 💙	LED	A165W-T2A□-24D-2
3 notches		Automatic 🗸	Non-lighted	A165S-T2A-2
	DPDT	Manual 🗸	LED	A165W-T3M□-24D-2
	DFDT	Iviariuai 🗸	Non-lighted	A165S-T3M-2

Note: Enter the desired color symbol for the Selector in \square : R (red); Y (yellow); G (green). The Selector for non-lighted models is black.

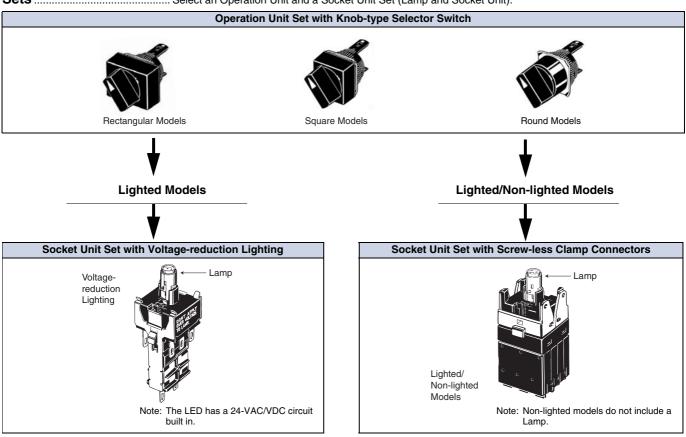
Ordering Individually........ Selectors, Lamps, and Switches (Sockets) can be ordered separately. Combinations that are not available as sets can be created using individual Units. Also, store the parts as spares for maintenance and repairs.



Ordering Individually Selectors, Lamps, and Switches (Sockets) 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 (Oil-resistant IP65 Models Only)

Appearance	Number of notches	Reset method	Lighting method	Model	Selector color symbol	
Rectangular		Manual	LED	A165W-J2M□		
(A165□-J)	2 notches	Iviariuai	Non-lighted	A165S-J2M	Enter the desired color	
	2 Holdries	Automatic 🕥	LED	A165W-J2A□	symbol for the Selec-	
		Automatic	Non-lighted	A165S-J2A	tor in \square .	
3 notes		Manual	LED	A165W-J3M□	R (red),	
	3 notches	iviaituai	Non-lighted	A165S-J3M	Y (yellow), G (green)	
	3 Holdries	Fully automatic	LED	A165W-J3A□	a (giccii)	
		automatic U	Non-lighted	A165S-J3A		
Square		Manual	LED	A165W-A2M□		
(A165□-A)	2 notches 3 notches	Iviariuai	Non-lighted	A165S-A2M	Enter the desired color	
		Automatic 🕥	LED	A165W-A2A	symbol for the Selec-	
			Non-lighted	A165S-A2A	tor in □.	
		Manual	LED	A165W-A3M□	R (red),	
		Iviariuai	Non-lighted	A165S-A3M	Y (yellow), G (green)	
		Fully automatic	LED	A165W-A3A□	a (green)	
		automatic U	Non-lighted	A165S-A3A		
Round		Manual	LED	A165W-T2M□		
(A165□-T)	2 notches	iviaituai	Non-lighted	A165S-T2M	Enter the desired color	
	2 Holdries	Automatic 🕥	LED	A165W-T2A□	symbol for the Selec-	
		Automatic 🕥	Non-lighted	A165S-T2A	tor in \square .	
		Manual	LED	A165W-T3M□	R (red),	
	3 notches	iviaiiudi	Non-lighted	A165S-T3M	Y (yellow), G (green)	
	3 notches	Fully	LED	A165W-T3A□	G (green)	
		automatic ①	Non-lighted	A165S-T3A		

Note: The selector for non-lighted models is black.



Socket Unit Set (Sets include a Socket Unit and a Lamp.)

Appearance	Number of notches	Classification			Model
9	2 notches	SPDT			A16W-2N□-24D-1
	2 110101165	DPDT	24 V	Solder terminals	A16W-2N□-24D-2
	3 notches	DPDT	2		A16W-3N□-24D-2

Socket Unit Set with Voltage Reduction Unit (Solder Terminal)

Appearance	Classification			Operating voltage	Model
	Standard loads and	2 notches	SPDT	- 100/110 VAC/VDC	A16L-□-T1-1
	microloads	2 notches	DPDT		A16L-□-T1-2
		3 notches			A16W-3N□-T1-2

Note: The LED has a 24-VAC/VDC circuit built in.

Insert one of the following letters into the box (\square).

Symbol	Light color
R	Red
Υ	Yellow
G	Green

Screw-less Clamp Connector Socket Unit Set

Appearance			Class	sification	Model	Remarks	
				Non-lighted		A16-2S	Used for Pushbutton
		2 notches		No voltage-reductio	n lighting	A16L-∆-□-2S	Switches and
	0	DPDT	Lighted	Voltage-reduction	100/110 VAC/VDC	A16L-∆-T1-2S	Knob-type Selector
	Standard loads and			lighting	200/220 VAC/VDC	A16L-∆-T2-2S	Switches.
	microloads			Non-lighted		A16S-3N-2LS	
		3 notches		No voltage-reductio	n lighting	A16W-3N∆-□-2S	
		DPDT	Lighted	Voltage-reduction	100/110 VAC/VDC	A16W-3N-∆-T1-2S	
				lighting	200/220 VAC/VDC	A16W-3N-∆-T2-2S	

Note: The 100-V models and 200-V models have a 24-VAC/VDC circuit built in.

Insert symbols in Δ and \square .

Δ	
Symbol	Light color
R	Red
Υ	Yellow
G	Green

Symbol	Type	Operating voltage
5D		5 VDC
12D	LED	12 VAC/VDC
24D		24 VAC/VDC

Ordering Individually Switches

Appearance			Classification			Model
			2 notches	SPDT		A16S-2N-1L
~	Lighted		2 Holdries	DPDT		A16S-2N-2L
Took.			3 notches	DPDT	Solder terminal	A16S-3N-2L
	Non-lighted	0 1 1 / 31	2 notches	SPDT	Solder terminal	A16S-2N-1
AN BIN		Socket (without		DPDT		A16S-2N-2
		voltage-reduction lighting)	3 notches	DPDT		A16S-3N-2
600	I Calaba al	iigniiig)	2 notches	SPDT		A16S-2N-1LP
(POX)	Lighted			DPDT	DOD to meeting all	A16S-2N-2LP
(S)()				SPDT	PCB terminal	A16S-2N-1P
(e)	Non-lighted			DPDT		A16S-2N-2P

Lamps

Operating voltage	Super-bright			
Light color	5 VDC	12 VAC/VDC	24 VAC/VDC	
Red	A16-5DSR	A16-12DSR	A16-24DSR	
Yellow	A16-5DSY	A16-12DSY	A16-24DSY	
Green	A16-5DSG	A16-12DSG	A16-24DSG	

Accessories and Tools (Order Separately)

Accessories

Name	Appearance	Classification	Model	Remarks
Panel Plugs	Rectangular	A16ZJ-3003	Used for covering the panel cut-	
	W/Z/	Square	A16ZA-3003	outs for future panel expansion.
		Round	A16ZT-3003	Degree of protection: IP40

Tools

			Applicable types					
Name	Appearance	e Model	Pushbutton Switch	Knob-type Selector Switch	Key-type Selector Switch	Emergency Stop Switch	Indicator	Remarks
Screw Fitting		A16Z-3004	Yes	Yes	Yes	Yes	Yes	Convenient for ganged installation. Tighten to a torque of 0.39 N·m min.
Extractor		A16Z-5080	Yes	Yes	Yes	Yes	Yes	Convenient for extracting the Switches and Lamps.

Ordering as a Set: Refer to page 3.

- Specifications and dimensions: Refer to pages 8 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 Socket 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 Switch Ratings

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 NC

Super-bright LED

Rated voltage	Rated current	Operating voltage	Internal limiting resistor
5 VDC	8 mA	5 VDC±5%	Red, yellow: 300 Ω Green: 160 Ω
12 VAC/VDC		12 VAC/VDC±5%	Red, yellow: 1 k Ω Green: 910 Ω
24 VAC/VDC		24 VAC/VDC±5%	2.4 kΩ

Characteristics Socket Unit

Item	Туре	Knob-type Selector Switch	
Allowable	Mechanical	20 operations/minute max.	
operating frequency	Electrical	10 operations/minute max.	
Insulation r	esistance	100 MΩ min. (at 500 VDC)	
	Between termi- nals of same polarity	1,000 VAC, 50/60 Hz for 1 min	
Dielectric strength	Between termi- nals of different polarity	2,000 VAC, 50/60 Hz for 1 min	
Strength	Between each terminal and ground	2,000 VAC, 50/60 Hz for 1 min	
	Between lamp terminals	1,000 VAC, 50/60 Hz for 1 min*	
Vibration resistance	Malfunction	10 to 55 Hz, 1.5-mm double amplitude (malfunction within 1 ms)	
Shock	Destruction	500 m/s ²	
resistance	Malfunction	150 m/s ² max. (malfunction within 1 ms)	
Durability	Mechanical	250,000 operations min.	
Durability	Electrical	100,000 operations min.	
Electric sho	ock protection	Class II	
PTI (tracking	g characteristic)	175	
Degree of o	ontamination	3 (IEC60947-5-1)	
Weight		Approx. 13 g (in the case of a lighted DPDT switch)	
Ambient operating temperature		-10°C to 55°C (with no icing or condensation)	
Ambient operating humidity		35% to 85%RH	
Ambient ste temperatur		-25°C to 65°C (with no icing or condensation)	
* With LED not mounted			

With LED not mounted. (Perform testing with the LED not mounted.)

Screw-less Clamp

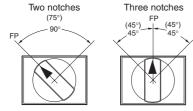
Item	Туре	Screw-less Clamp				
Recomm wire size		0.5 mm ² twisted wire or 0.8 mm-dia. solid w			. solid wire	
Usable	Twisted wire	0.3 mm ²	0.5 mm ²	0.75 mm ²	1.25 mm ²	
wires and tensile	Solid wire	0.5 mm dia.	0.8 mm dia.	1.0 mm dia.		
strength	Tensile strength	10 N	20 N	30 N	40 N	
Length of wire	exposed	10 ±1 mm				
Complia standard		JIS C 2811 Terminal Blocks for Industrial U			ustrial Use	

Operating Characteristics

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

Specifications

Operation Angle

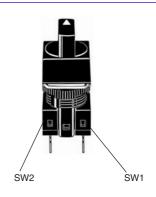


Note: The angle used for automatic reset is shown in parentheses.

FP: Free Position

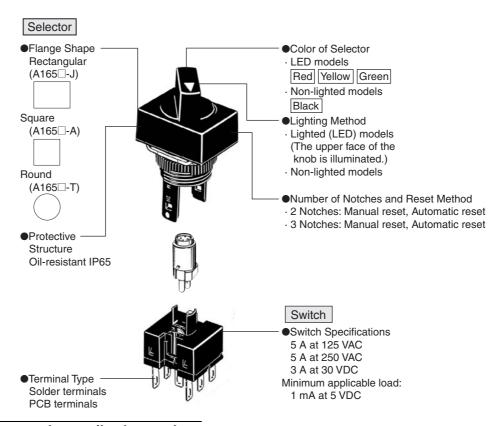
Contact Form

		Contact from			
No. of		PDT			
notches	Posi- tion	sw	Posi- tion	SW2	SW1
2 notches	\bigcirc	••	\bigcirc	••	10
2 110101163	\bigcirc	•• ••	\bigcirc	•• ••	• 6
			\bigcirc	•• ••	90
3 notches			\bigcirc	••	90
			\bigcirc	••	• /



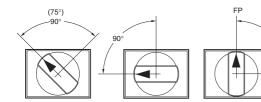
Nomenclature

Model structure



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

For information on rotating the flange, refer to page 14. Example: Knob-type Selector Switch with Two Notches



(Standard condition when shipped) Note: The angle is 75° for self-resetting models.

(Unit: mm)

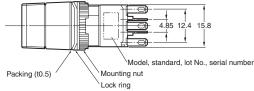
Rectangular A165□-J Solder terminals (tab terminals #110)







12.2 18 10.8 Lamp terminal

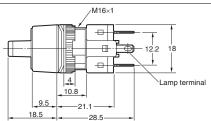


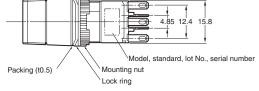
Square A165□-A Solder terminals (tab terminals #110)





Note: See page 12 for panel cutouts.



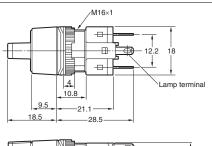


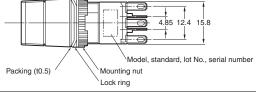
Round A165□-T Solder terminals (tab terminals #110)





Note: See page 12 for panel cutouts.



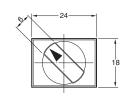


(Unit: mm)

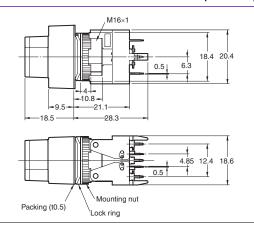
Rectangular A165□-J PCB terminals



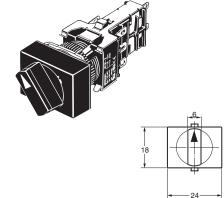
 The lamp terminal is not also provided with nonlighted models.

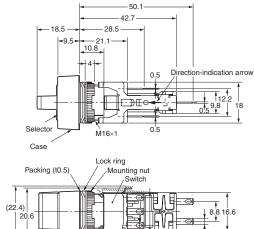


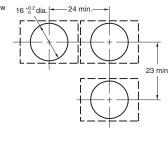
Note: See page 12 for panel cutouts.



Rectangular A165W□-T Reduced-voltage lighting solder terminals (tab terminals #110)

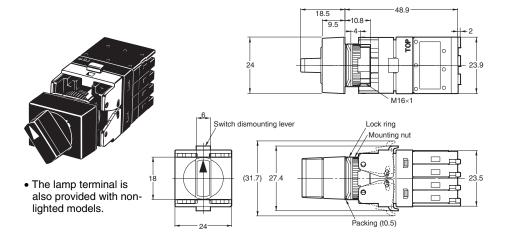


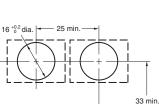




Panel Cutouts

Rectangular A165□-2S Screw-Less Clamp



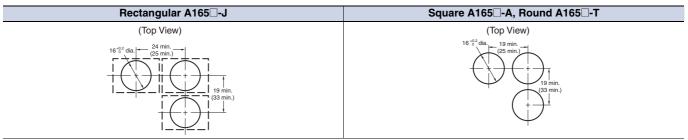


Panel Cutouts

Dimensions (Unit: mm)

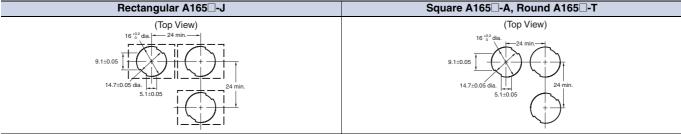
Panel Cutouts

Models with Solder Terminals and Models with Screw-less Clamp Connectors



- Note: 1. Make sure the thickness of the mounting panel is 0.5 to 3.2 mm.
 - 2. If the panel is to be finished with coating, etc., make sure that the panel meets the specified dimensions after coating.
 - 3. Figures in parentheses are for screw-less clamp connectors.

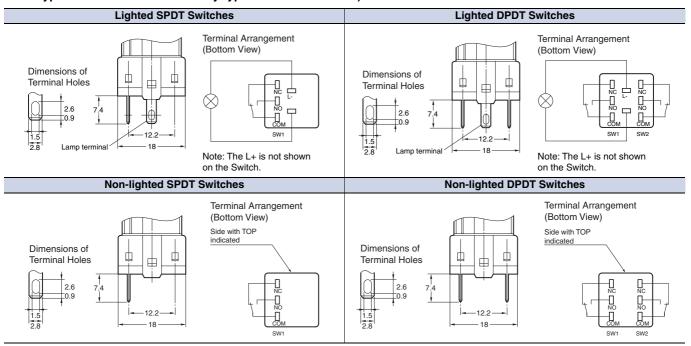
Models with PCB Terminals



- Note: 1. Ensure that the variation in the distance between the centers of neighboring mounting holes is less than ± 0.1 mm.
 - 2. Make sure the thickness of the mounting panel is 0.5 to 3.2 mm. If, however, a Switch Guard or Dust Cover is used, the thickness of the mounting panel must be 0.5 to 2 mm.
 - 3. If the panel is to be finished with coating, etc., make sure that the panel meets the specified dimensions after coating.

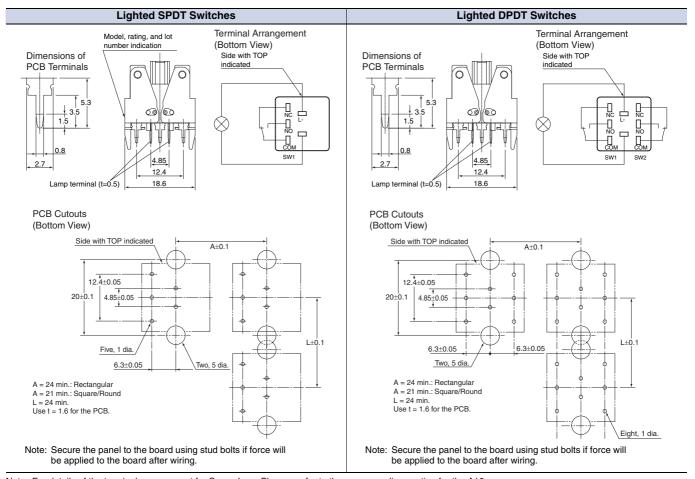
Terminal Arrangement

Models with Solder Terminals without Reduced-voltage Lighting (Lamp terminals are not provided with the Non-lighted Knob-type Selector Switches and Key-type Selector Switches.)



Dimensions (Unit: mm)

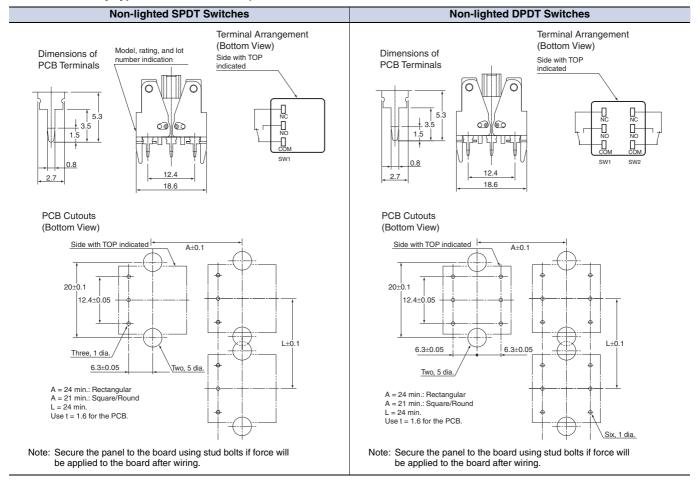
Models with PCB Terminals



Note: For details of the terminal arrangement for Screw-Less Clamps, refer to the corresponding section for the A16.

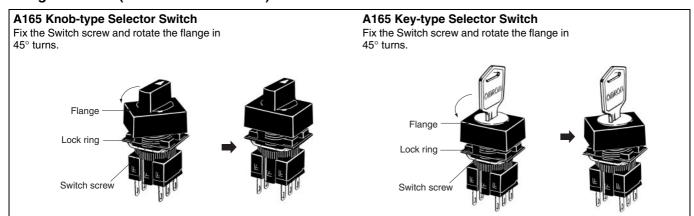
Dimensions (Unit: mm)

Non-lighted Models with PCB Terminals (Lamp terminals are not provided with the Non-lighted Knob-type Selector Switches and Key-type Selector Switches.)



For details on mounting the Switch to a panel, and mounting and dismounting the Switch, refer to installation details for the A16 Pushbutton Switch.

Flange Rotation (All Selector Switches)



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.

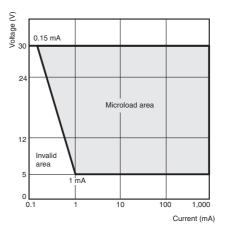
Operating Environment

 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, λ 60 = 0.5 × 10⁻⁴/operations indicates that the estimated malfunction rate is less than 1/2,000,000 operations with a reliability level of 60%.



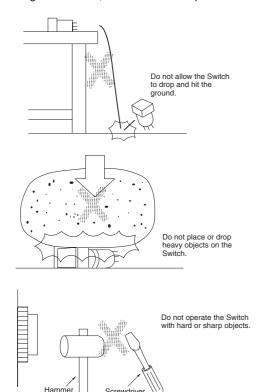
LED

 The LED current-limiting resistor is built-in, so external resistance is not required.

Rated voltage	Internal limiting resistor
5 VDC	Red, yellow: 300 Ω Green: 160 Ω
12 VAC/VDC	Red, yellow: 1 k Ω Green: 910 Ω
24 VAC/VDC	2.4 kΩ

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.

OMRON MAKES NO WARRANTY OR REPRESENTATION, EXPRESS OR IMPLIED, REGARDING NON-INFRINGEMENT, MERCHANTABILITY, OR FITNESS FOR PARTICULAR PURPOSE OF THE PRODUCTS. ANY BUYER OR USER ACKNOWLEDGES THAT THE BUYER OR USER ALONE HAS DETERMINED THAT THE PRODUCTS WILL SUITABLY MEET THE REQUIREMENTS OF THEIR INTENDED USE. OMRON DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED.

LIMITATIONS OF LIABILITY

OMRON SHALL NOT BE RESPONSIBLE FOR SPECIAL, INDIRECT, OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS OR COMMERCIAL LOSS IN ANY WAY CONNECTED WITH THE PRODUCTS, WHETHER SUCH CLAIM IS BASED ON CONTRACT, WARRANTY, NEGLIGENCE, OR STRICT LIABILITY

In no event shall the responsibility of OMRON for any act exceed the individual price of the product on which liability is asserted.

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.

2009.9

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





Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов:
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001:
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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