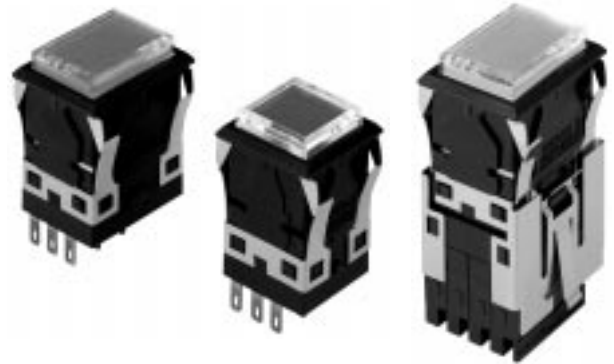


Lighted Pushbutton Switches

A3P□N

Rectangular-bodied Lighted Pushbutton Switches with high-brightness LEDs for improved visibility and Quick Connectors for easy installation.

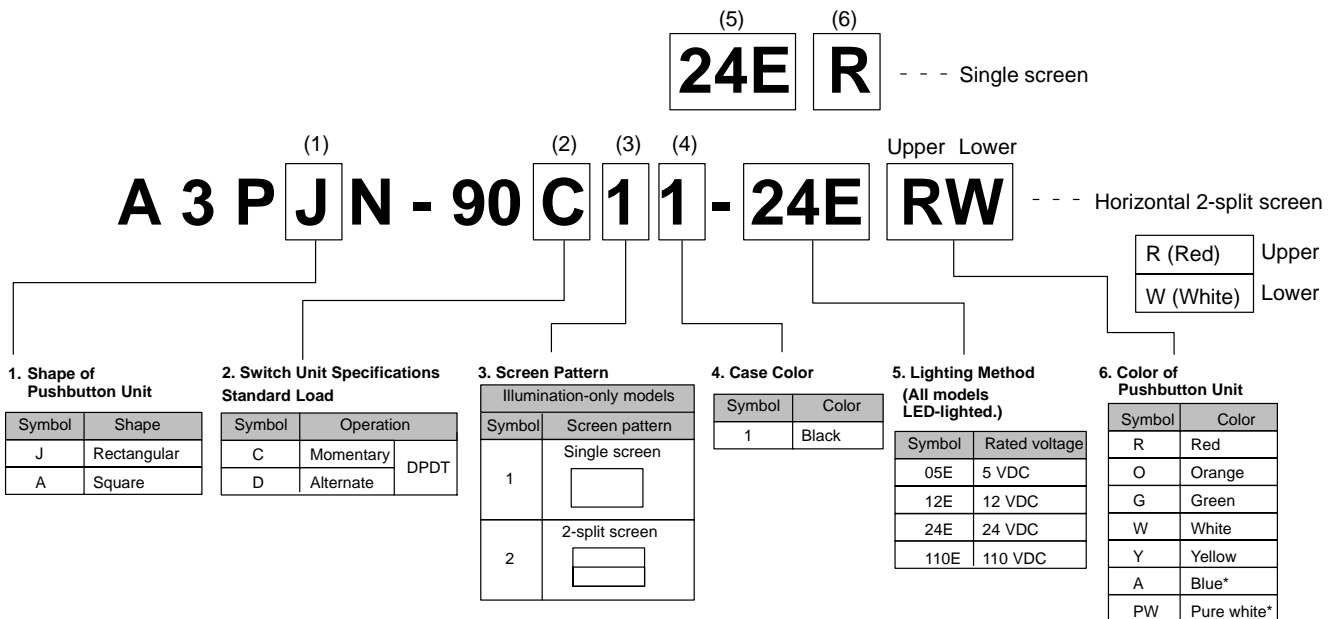
- Energy saved and visibility improved with high-brightness LEDs.
- Short body is 25% the length of conventional models.
- Color selection increased to seven.
- 110-VDC model incorporating voltage-reduction circuit added to lineup.
- Wiring work reduced by two thirds with Quick Connector.



Ordering Information

■ Model Number Legend

The model numbers used to order sets of Units are illustrated below. One set comprises the Pushbutton Unit, Lamp Unit, and Switch Unit.



■ Comparison of New and Conventional Models (Representative Examples)

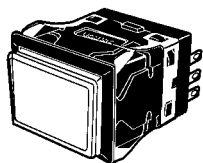
Item		Model					
		A3P□N (new models)		A3P (conventional models)			
Shape of Pushbutton Unit		Rectangular	Square	Rectangular	Square	Round	
Lighting method	Built-in LED	Yes	Yes	Yes	Yes	No	
	LED lamp	No	No	Yes	Yes	Yes	
	Incandescent lamp	No	No	Yes	Yes	Yes	
Screen pattern	Single screen	Yes	Yes	Yes	Yes	Yes	
	2-split screen	Yes	Yes	Yes	Yes	Yes	
	Other screen patterns	No	No	Yes	Yes	Yes	
Switch	SPDT	Momentary	No	No	Yes	Yes	Yes
		Alternate	No	No	Yes	Yes	Yes
	DPDT	Momentary	Yes	Yes	Yes	Yes	Yes
		Alternate	Yes	Yes	Yes	Yes	Yes
Socket	Quick Connector		Yes	Yes	No	No	No
	Wire-wrap terminals		No	No	Yes	Yes	Yes
	PCB terminals		No	No	Yes	Yes	Yes
	Solder terminals		No	No	Yes	Yes	Yes

■ Limit of Models (Ordering as a Set)

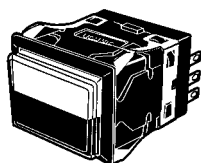
The model numbers used to order sets of Units are given in the following tables. One set comprises the Pushbutton Unit, Lamp Unit, and Switch Unit.

A3PJN (Rectangular) Models

Single Screen Models



Horizontal 2-split Screen Models



Single Screen Models

No. of outputs	Lighting method	Contact type Operation Case color	Standard load/Microload (Common)		Pushbutton Unit color symbol
			Momentary	Alternate	
DPDT	LED	5 VDC	A3PJN-90C11-05E□	A3PJN-90D11-05E□	R O G W Y A PW
		12 VDC	A3PJN-90C11-12E□	A3PJN-90D11-12E□	
		24 VDC	A3PJN-90C11-24E□	A3PJN-90D11-24E□	
		110 VDC	A3PJN-90C11-110E□	A3PJN-90D11-110E□	

Note: Enter the desired color code for the Pushbutton Unit in □. (R) = Red, (O) = Orange, (G) = Green, (W) = White, (Y) = Yellow, (A) = Blue, (PW) = Pure White.

Horizontal 2-split Screen Models

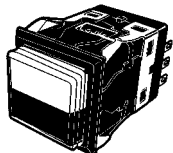
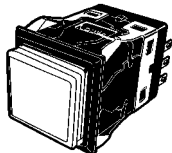
No. of outputs	Lighting method	Contact type Operation Case color	Standard load/Microload (Common)		Pushbutton Unit color symbol
			Momentary	Alternate	
DPDT	LED	5 VDC	A3PJN-90C21-05E□□	A3PJN-90D21-05E□□	R O G W Y A PW
		12 VDC	A3PJN-90C21-12E□□	A3PJN-90D21-12E□□	
		24 VDC	A3PJN-90C21-24E□□	A3PJN-90D21-24E□□	
		110 VDC	A3PJN-90C21-110E□□	A3PJN-90D21-110E□□	

Note: Enter the desired color code for the Pushbutton Unit in □. (R) = Red, (O) = Orange, (G) = Green, (W) = White, (Y) = Yellow, (A) = Blue, (PW) = Pure White.

A3PAN (Square) Models

Single Screen Models

Horizontal 2-split Screen Models



Single Screen Models

No. of outputs	Lighting method	Contact type Operation Case color	Standard load/Microload (Common)		Pushbutton Unit color symbol
			Momentary	Alternate	
			Black		
DPDT	LED	5 VDC	A3PAN-90C11-05E□	A3PAN-90D11-05E□	R O G W Y A PW
		12 VDC	A3PAN-90C11-12E□	A3PAN-90D11-12E□	
		24 VDC	A3PAN-90C11-24E□	A3PAN-90D11-24E□	
		110 VDC	A3PAN-90C11-110E□	A3PAN-90D11-110E□	

Note: Enter the desired color code for the Pushbutton Unit in □. (R) = Red, (O) = Orange, (G) = Green, (W) = White, (Y) = Yellow, (A) = Blue, (PW) = Pure White.

Horizontal 2-split Screen Models

No. of outputs	Lighting method	Contact type Operation Case color	Standard load/Microload (Common)		Pushbutton Unit color symbol
			Momentary	Alternate	
			Black		
DPDT	LED	5 VDC	A3PAN-90C21-05E□□	A3PAN-90D21-05E□□	R O G W Y A PW
		12 VDC	A3PAN-90C21-12E□□	A3PAN-90D21-12E□□	
		24 VDC	A3PAN-90C21-24E□□	A3PAN-90D21-24E□□	
		110 VDC	A3PAN-90C21-110E□□	A3PAN-90D21-110E□□	

Note: Enter the desired color code for the Pushbutton Unit in □. (R) = Red, (O) = Orange, (G) = Green, (W) = White, (Y) = Yellow, (A) = Blue, (PW) = Pure White.

■ Ordering Individually

Pushbutton Units and Switch Units can be ordered separately. Also, store the parts as spares for maintenance and repairs.

Pushbutton Unit

A3P□N-5□□□-□E
(for Pushbutton Switch)

Switch Unit

















A3P□N-7□□□-□
(for Pushbutton Switch)

Quick Connector

A3P□N-2S

Pushbutton Unit

LED-lighted Models (LED is built-in.)

Model	Split-screen color (color code)	White (W)	Red (R)	Green (G)	Blue (A)	Yellow (Y)	Orange (O)	Pure white (PW)	
Rectangular models	Single screen		A3PJN-5701-□□ E	A3PJN-5702-□□ E	A3PJN-5703-□□ E	A3PJN-5704-□□ E	A3PJN-5705-□□ E	A3PJN-5706-□□ E	A3PJN-5707-□□ E
	Horizontal 2-split screen		A3PJN-5711-□□ E	A3PJN-5712-□□ E	A3PJN-5713-□□ E	A3PJN-5714-□□ E	A3PJN-5715-□□ E	A3PJN-5716-□□ E	A3PJN-5717-□□ E
			A3PJN-5721-□□ E	A3PJN-5722-□□ E	A3PJN-5723-□□ E	A3PJN-5724-□□ E	A3PJN-5725-□□ E	A3PJN-5726-□□ E	A3PJN-5727-□□ E
			A3PJN-5731-□□ E	A3PJN-5732-□□ E	A3PJN-5733-□□ E	A3PJN-5734-□□ E	A3PJN-5735-□□ E	A3PJN-5736-□□ E	A3PJN-5737-□□ E
			A3PJN-5741-□□ E	A3PJN-5742-□□ E	A3PJN-5743-□□ E	A3PJN-5744-□□ E	A3PJN-5745-□□ E	A3PJN-5746-□□ E	A3PJN-5747-□□ E
			A3PJN-5751-□□ E	A3PJN-5752-□□ E	A3PJN-5753-□□ E	A3PJN-5754-□□ E	A3PJN-5755-□□ E	A3PJN-5756-□□ E	A3PJN-5757-□□ E
			A3PJN-5761-□□ E	A3PJN-5762-□□ E	A3PJN-5763-□□ E	A3PJN-5764-□□ E	A3PJN-5765-□□ E	A3PJN-5766-□□ E	A3PJN-5767-□□ E
			A3PJN-5771-□□ E	A3PJN-5772-□□ E	A3PJN-5773-□□ E	A3PJN-5774-□□ E	A3PJN-5775-□□ E	A3PJN-5776-□□ E	A3PJN-5777-□□ E
Square models	Single screen		A3PAN-5701-□□ E	A3PAN-5702-□□ E	A3PAN-5703-□□ E	A3PAN-5704-□□ E	A3PAN-5705-□□ E	A3PAN-5706-□□ E	A3PAN-5707-□□ E
	Horizontal 2-split screen		A3PAN-5711-□□ E	A3PAN-5712-□□ E	A3PAN-5713-□□ E	A3PAN-5714-□□ E	A3PAN-5715-□□ E	A3PAN-5716-□□ E	A3PAN-5717-□□ E
			A3PAN-5721-□□ E	A3PAN-5722-□□ E	A3PAN-5723-□□ E	A3PAN-5724-□□ E	A3PAN-5725-□□ E	A3PAN-5726-□□ E	A3PAN-5727-□□ E
			A3PAN-5731-□□ E	A3PAN-5732-□□ E	A3PAN-5733-□□ E	A3PAN-5734-□□ E	A3PAN-5735-□□ E	A3PAN-5736-□□ E	A3PAN-5737-□□ E
			A3PAN-5741-□□ E	A3PAN-5742-□□ E	A3PAN-5743-□□ E	A3PAN-5744-□□ E	A3PAN-5745-□□ E	A3PAN-5746-□□ E	A3PAN-5747-□□ E
			A3PAN-5751-□□ E	A3PAN-5752-□□ E	A3PAN-5753-□□ E	A3PAN-5754-□□ E	A3PAN-5755-□□ E	A3PAN-5756-□□ E	A3PAN-5757-□□ E
			A3PAN-5761-□□ E	A3PAN-5762-□□ E	A3PAN-5763-□□ E	A3PAN-5764-□□ E	A3PAN-5765-□□ E	A3PAN-5766-□□ E	A3PAN-5767-□□ E
			A3PAN-5771-□□ E	A3PAN-5772-□□ E	A3PAN-5773-□□ E	A3PAN-5774-□□ E	A3PAN-5775-□□ E	A3PAN-5776-□□ E	A3PAN-5777-□□ E

Note: 1. Enter the voltage to be used in the □□ at the end of the model number.

Examples of voltages used:

5 V = □05□ E

12 V = □12□ E

24 V = □24□ E

110 V = □110□ E

- For the color of the shaded part, select the model according to the colors given at the top of the table.
- A lens, legend plate (transparent), colored plate, white plunger case, and LED are built into the standard lighting unit.
- Split-screen coloring configurations are given with the **OMRON** mark on the Switch Units facing down.
- The LED is built-in and cannot be replaced individually.

Switch Unit

Contact type	Number of outputs	Operation	Rectangular models	Square models
Standard load/ Microload (common)	DPDT	Momentary	A3PJN-7030-1	A3PAN-7030-1
		Alternate	A3PJN-7040-1	A3PAN-7040-1





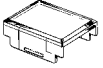
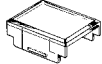
Quick Connector

Rectangular model	Square model
A3PJN-2S	A3PAN-2S

■ Accessories

Name	Appearance	Classification		Rectangular	Square	Application precautions
Barrier		Short edge barrier (Horizontal mounting) (1 pair)	Black	A3PJ-4001	A3PA-4001	The purpose of the barrier is to prevent malfunctioning and to improve design image of the mounting panel. Intermediate barrier x 1. Edge barriers x 1 pair (2 Units). Mount short barriers horizontally. Mount long barriers vertically. For details on mounting, refer to page 21.
			Light gray	A3PJ-4002	A3PA-4002	
		Long edge barrier (Vertical mounting) (1 pair)	Black	A3PJ-4004	---	
			Light gray	A3PJ-4005		
		Short intermediate barrier (Horizontal mounting) (1 pair)	Black	A3PJ-4007	A3PA-4007	
			Light gray	A3PJ-4008	A3PA-4008	
		Long intermediate barrier (Vertical mounting) (1 pair)	Black	A3PJ-4010	---	
			Light gray	A3PJ-4011		
Switch guard		For horizontal mounting (with OMRON logo facing down)	A3PJN-5050	A3PAN-5050	Can be used by exchanging with the lens. Cannot be used with seal cover. Can be used with barrier. Use horizontal mounting guard for consecutive horizontal mounting, and use vertical mounting guard for consecutive vertical mounting.	
		For vertical mounting (with OMRON logo facing to the right)	A3PJN-5055	A3PAN-5055		
Seal cover		---	A3PJ-5060	A3PA-5060	Cannot be used with barrier and/or switch guard. For details on mounting, refer to page 21. Lens is manufactured from vinyl chloride.	
Character plate (character film)		1 sheet (for 20 Switch Units)	Printed	A3PJ-5205	A3PA-5205	Words printed are ON, OFF, START, STOP, RESET, OK, OUT, POWER, COOL, and MOTOR. Other characters can be printed by request.
			Non-printed (transparent film)	A3PJ-5207	A3PA-5207	
		1 sheet (for 1 Switch Unit)	Printed	A3PJ-5206	A3PA-5206	
			Non-printed (transparent film)	A3PJ-5208	A3PA-5208	
Long mounting plate		---	A3PJN-3002	---	Use when vertically mounting individual (with barrier) or multiple Switch Units (in standard mounting style and with barrier). Since a short mounting plate is attached to the Switch Unit, replace it with the long one.	

Parts

Name	Appearance	Screen pattern and color	A3PJ models	A3PA models	Application precautions	
Colored plate for LED		Single screen 	White	A3PJ-5301	A3PA-5301	Keep mounted at all times. If the colored plate is lost or damaged, contact OMRON. Use in accordance with coloring of the built-in LED. For details on mounting, refer to page 21.
			Red	A3PJ-5302	A3PA-5302	
			Green	A3PJ-5303	A3PA-5303	
			Yellow	A3PJ-5305	A3PA-5305	
			Orange	A3PJ-5306	A3PA-5306	
		Horizontal 2-split screen 	White	A3PJ-5321	A3PA-5321	
			Red	A3PJ-5322	A3PA-5322	
			Green	A3PJ-5323	A3PA-5323	
			Yellow	A3PJ-5325	A3PA-5325	
			Orange	A3PJ-5326	A3PA-5326	
Legend plate		Transparent legend plate	A3PJ-5202	A3PA-5202	A transparent legend plate is mounted on the LED Unit.	
		Milk-white legend plate	A3PJ-5201	A3PA-5201		
Lens		Transparent lens	A3PJ-5600	A3PA-5600	---	
		Crimp-processed transparent lens	A3PJ-5600-A	A3PA-5600-A	The surface is crimp-processed, so there is no reflection.	
		Smokey-blue transparent lens	A3PJ-5600-SB	A3PA-5600-SB	You can easily tell if the button is lit, even in bright locations.	

Specifications

■ Ratings

Contact Ratings

Standard Loads/Microloads

Rated voltage (V)	Non-inductive load (A)				Inductive load (A)			
	Resistive load		Lamp load		Inductive load		Motor load	
	NC	NO	NC	NO	NC	NO	NC	NO
125 VAC	5		0.7		3		1.3	
250 VAC	3		0.5		2		0.8	
8 VDC	5		2		4		3	
14 VDC	5		2		4		3	
30 VDC	4		2		3		3	
125 VDC	0.4		0.05		0.4		0.05	
250 VDC	0.2		0.03		0.2		0.03	

- Note:**
- The above values are for steady-state currents.
 - Inductive load: Power factor = 0.4; time constant = 7 ms.
 - The lamp load has an inrush current of 10 times the steady-state current.
 - The motor load has an inrush current of 6 times the steady-state current.
- The above ratings conform to JIS C4505, for testing under the following conditions.
- Ambient temperature: 20 ±2°C.
 - Ambient humidity: 65 ±5%
 - Operating frequency: 20 times/min.

Rated voltage (V)	0.1 A at 30 VDC (resistive load) 0.1 A at 125 VAC (resistive load) 1 mA at 5 VDC
Minimum applicable load	5 VDC, 1 mA

■ LED Ratings

LED (Built-in to Pushbutton Unit.)

Voltage specifications		A3PJN		A3PAN	
		Rated currency			
Applicable voltage	Rated voltage	Single screen	2-split screen	Single screen	2-split screen
5 VDC ±5%	5 VDC	20 mA	10 mA x 2	20 mA	10 mA x 2
12 VDC ±5%	12 VDC	10 mA	10 mA x 2	10 mA	10 mA x 2
24 VDC ±5%	24 VDC	10 mA	10 mA x 2	10 mA	10 mA x 2
110 VDC ±5%	110 VDC	2.5 mA	2.5 mA x 2	2.5 mA	2.5 mA x 2

■ Characteristics

Switch

Operating frequency	Mechanical: 120 operations/minute max. (See note 1.) Electrical: 30 operations/minute max.
Insulation resistance	100 MΩ min. (at 500 VDC)
Dielectric strength	1,000 VAC, 50/60 Hz for 1 minute between terminals of same polarity
	2,000 VAC, 50/60 Hz for 1 minute between terminals of different polarity, between current-carrying metal part and ground, and between each terminal and non-current-carrying metal part.
	1,000 VAC, 50/60 Hz for 1 minute between lamp terminals (See note 2.)
Vibration	Malfunction: 10 to 55 Hz, 1.5 mm double amplitude
Shock	Destruction: 500 m/s ² Malfunction: 200 m/s ²
Life expectancy	Mechanical: Momentary operation models: 1,000,000 operations min. Alternate operation models: 200,000 operations min. (One operation consists of set and reset operations.)
	Electrical: 100,000 operations min.
Weight	Approx. 25 g
Inrush current	NC: Silver alloy contact: 10 A max. NO: Silver alloy contact: 10 A max.
Ambient operating temperature	LED-lighted models: -10°C to 40°C (with no icing or condensation)
Ambient operating humidity	35% to 85%
Ambient storage temperature	-25°C to 65°C
Enclosure rating	IP40
Electric shock protection class	Class II
PTI (proof tracking index)	175
Pollution degree	3 (IEC947-5-1)

Note: 1. With alternate operation models, 60 operations/minute max. One operation cycle consists of set and reset operations.
2. With the Pushbutton Unit removed.

Quick Connector

Item	Type	Quick Connector		
Recommended wire size		0.5 mm ² twisted wire or 0.8-dia. solid wire		
Usable wires and tensile strength	Twisted wire	0.3 mm ²	0.5 mm ²	0.75 mm ²
	Solid wire	0.5 mm dia.	0.8 mm dia.	1.0 mm dia.
	Tensile strength	10 N	20 N	30 N
Length of exposed wire		10 ±1 mm		

■ Approved Ratings

UL508 General Use: 5A at 125 V

CSA C22 No. 14 General Use: 5 A at 125 VAC, 3 A at 250 VAC


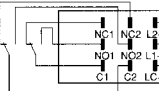
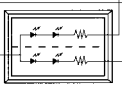
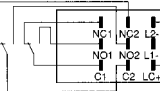
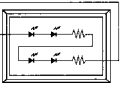
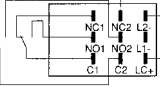
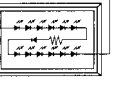

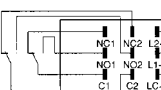
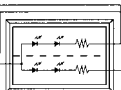
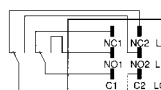
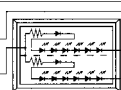

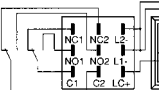
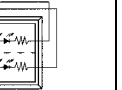
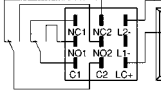
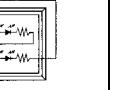
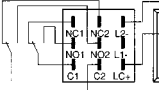
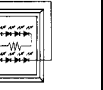

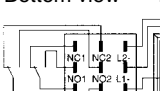
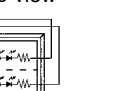
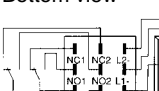

■ Operating Characteristics

Operating characteristics	A3PJN/A3PAN series	
	Momentary operation models	Alternate operation models
OF max.	5.88 N	6.86 N
RF min.	0.39 N	0.29 N
TT	Approx. 3.5 mm	Approx. 3.5 mm
PT max.	3 mm	3 mm
LTA min.	---	0.5 mm

Operation

■ Terminals connections

LED-lighted Models

Rated voltage		5 VDC		12 VDC/24 VDC		110 VDC		
Model	Screen pattern	Bottom view	Top view	Bottom view	Top view	Bottom view	Top view	
A3PJN	Single screen 	 Terminal arrangement	 Lighting block	 Terminal arrangement	 Lighting block	 Terminal arrangement	 Lighting block	
	Horizontal 2-split screen 	 Terminal arrangement		 Lighting block		 Terminal arrangement		 Lighting block
A3PAN	Single screen 	 Terminal arrangement	 Lighting block	 Terminal arrangement	 Lighting block	 Terminal arrangement	 Lighting block	
	Horizontal 2-split screen 	 Terminal arrangement		 Lighting block		 Terminal arrangement		 Lighting block

■ Panel Cutout

(If using a Switch Guard or Seal Cover, refer to the panel cutout diagrams on page 10.)

A3PJN (Rectangular) Models

Classification		Mounting design	Panel cutout	Remarks
Flange mount models	Individual mounting (Horizontal)			Panel cutout spacing between rows of Units:
	Multiple mounting (Horizontal)			
	Individual mounting (Vertical)	 Mount to long mounting plate before use.		
	Multiple mounting (Vertical)	 Mount to long mounting plate before use.		
Barrier mount models	Individual mounting (Horizontal)			Panel cutout spacing between rows of Units: (Dotted line indicates the position of each mounting barrier.)
	Multiple mounting (Horizontal)			
	Individual mounting (Vertical)	 Mount to long mounting plate before use.		
	Multiple mounting (Vertical)	 Mount to long mounting plate before use.		

- Note:**
1. n: Number of Units
 2. Recommended panel thickness: 1 to 5 mm
 3. Mount the panel before mounting the Switch Guard.
 4. If the panel is to be finished (e.g., coated), make sure that the panel meets the specified dimensions after the coating.

A3PAN (Square) Models

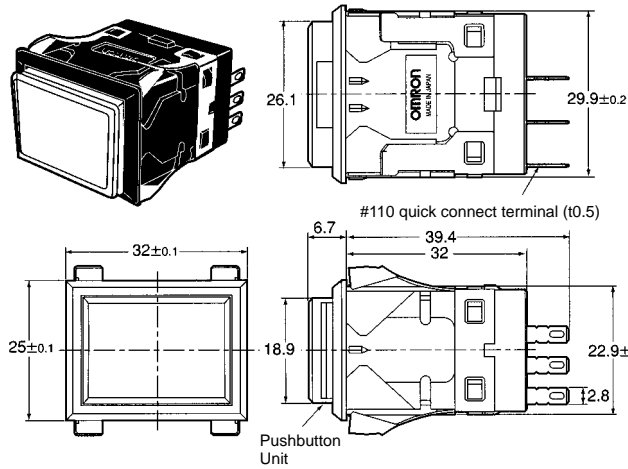
Classification		Mounting design	Panel cutout	Remarks
Flange mount models	Individual mounting			Panel cutout spacing between rows of Units:
	Multiple mounting			
Barrier mount models	Individual mounting			Panel cutout spacing between rows of Units: (Dotted line indicates the position of each mounting barrier.)
	Multiple mounting			

- Note:**
1. n: Number of Units
 2. Recommended panel thickness: 1 to 5 mm
 3. Mount the panel before mounting the Switch Guard.
 4. If the panel is to be finished (e.g., coated), make sure that the panel meets the specified dimensions after the coating.

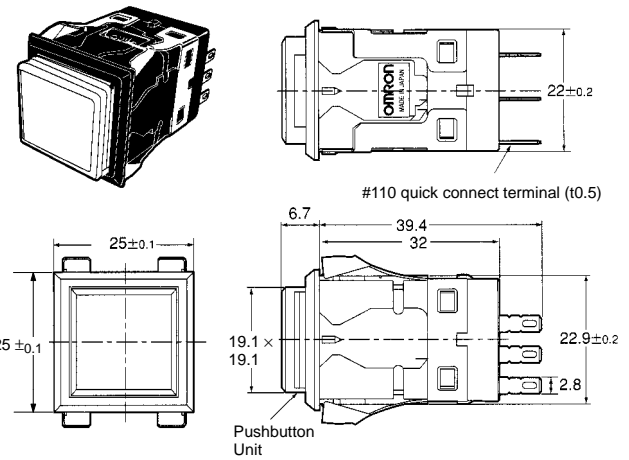
Dimensions

Note: All units are in millimeters unless otherwise indicated.

A3PJN (Rectangular) Models

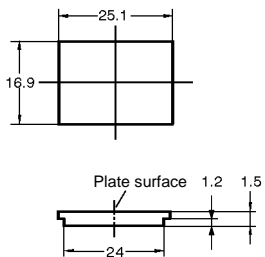


A3PAN (Square) Models

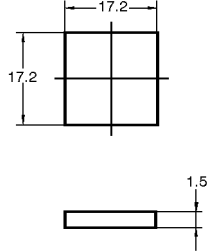


■ Accessory Mounting Dimensions

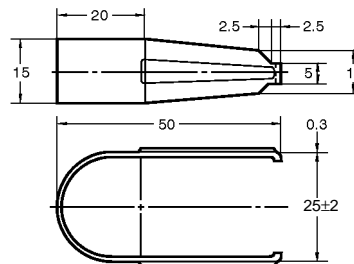
● Legend Plate Rectangular Models A3PJ-5201/-5202



Square Models A3PA-5201/-5202



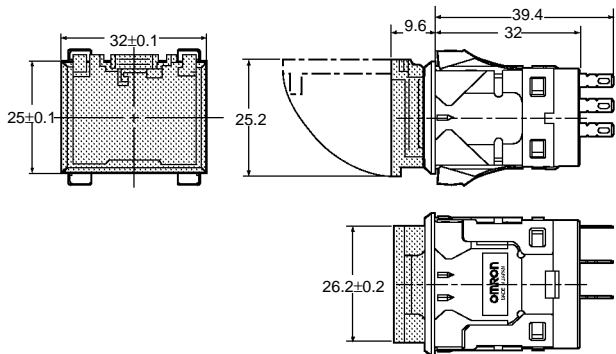
Extractor A3PJ-5080



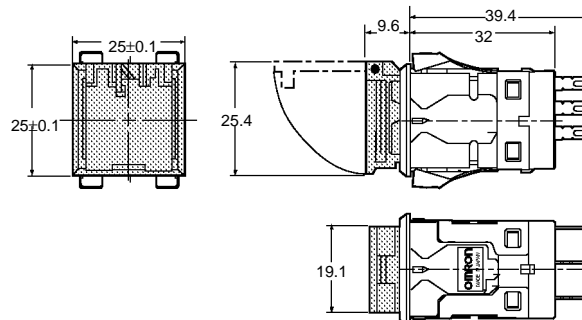
Note: Made from stainless steel.

● Switch and Guard Mounting Dimensions

Rectangular Models
A3PJN-5050 (Horizontal Mounting)
A3PJN-5055 (Vertical Mounting)

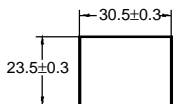


Square Models
A3PAN-5050 (Horizontal Mounting)
A3PAN-5055 (Vertical Mounting)

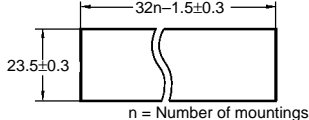


Panel Cutouts

Individual Mounting (Horizontal)



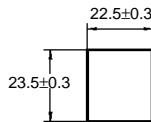
Multiple Mounting (Horizontal)



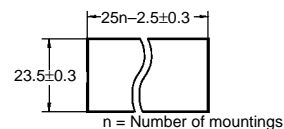
Note: Multiple vertical mounting is not possible.

Panel Cutouts

Individual Mounting (Horizontal)



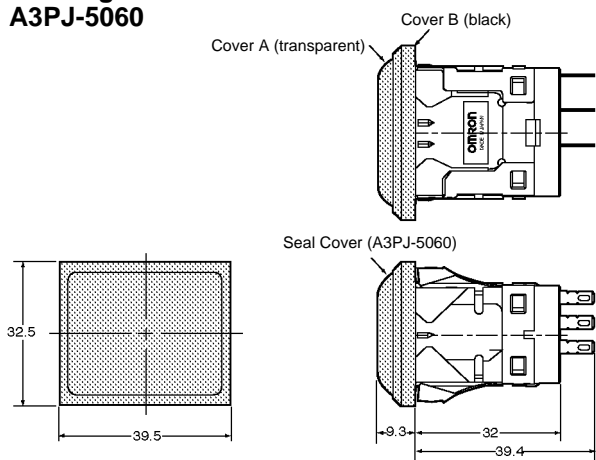
Multiple Mounting (Horizontal)



Note: Multiple vertical mounting is not possible.

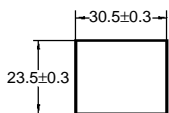
● Seal Cover Mounting Dimensions

Rectangular Models
A3PJ-5060

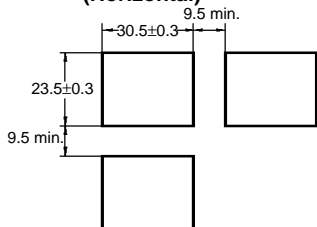


Panel Cutouts

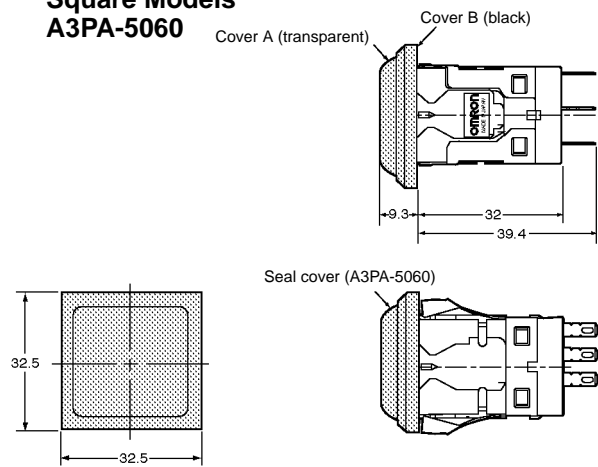
Individual Mounting (Horizontal)



Multiple Mounting (Horizontal)

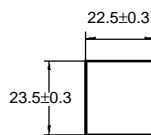


Square Models
A3PA-5060

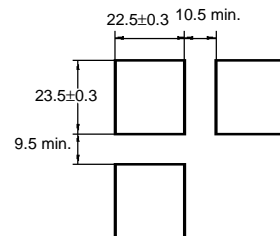


Panel Cutouts

Individual Mounting



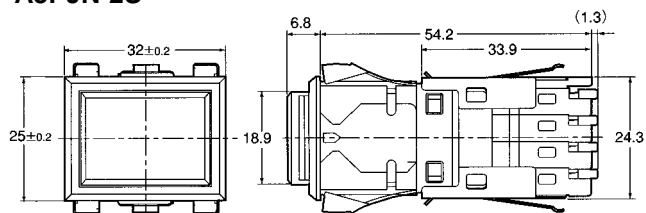
Multiple Mounting



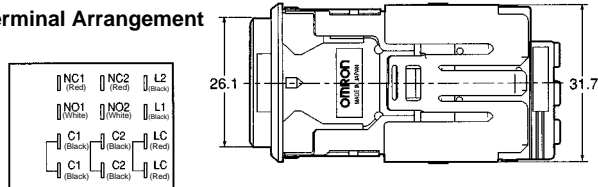
Note: 1. Recommended panel thickness: 1.5 to 5 mm
 2. Unless otherwise specified, a tolerance of ±0.4 mm applies to all dimensions.

● Quick Connector Mounting Dimensions

Rectangular Models
A3PJN-2S

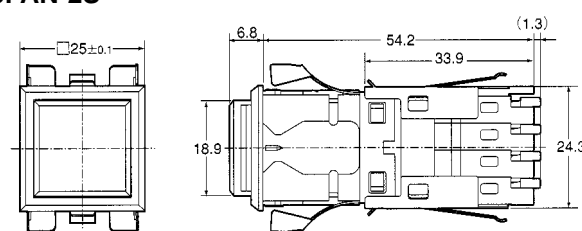


Terminal Arrangement

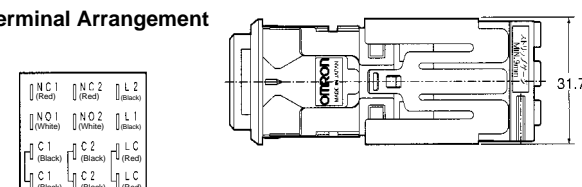


Note: The color of the release buttons are indicated in parentheses.

Square Models
A3PAN-2S



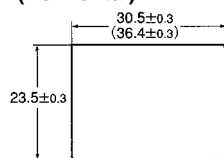
Terminal Arrangement



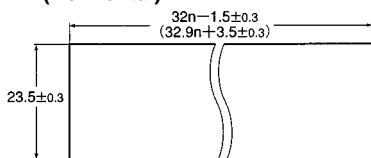
Note: The color of the release buttons are indicated in parentheses.

Panel Cutouts

Individual Mounting
(Horizontal)

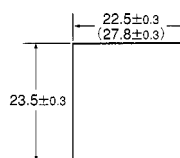


Multiple Mounting
(Horizontal)

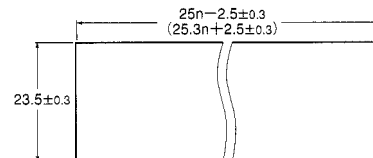


Panel Cutouts

Individual Mounting



Multiple Mounting



- Note: 1. Recommended panel thickness: 1 to 5 mm
2. Unless otherwise specified, a tolerance of ±0.4 mm applies to all dimensions.

Wiring Procedure for Quick Connectors
Connecting Wires

1. Strip the ends of the wire (10 mm ± 1 mm).
2. Twist loose strands together and straighten the end.
3. Press the release button on the side of the hole.
4. Insert the wire into the hole.
5. Let go of the release button.
6. Pull on the wire gently to make sure that it is inserted securely.

Removing Wires

1. Press the release button on the side of the hole.
2. Pull out the wire.