

AL2 Series Technical parameter

Performance parameter	
Contact material	Silver alloy AgSnO ₂
Contact Resistance(Initial value)	≤50mΩ
Insulation impedance	≥100MΩ (500VDC)
Withstand voltage	Between different pole contacts: 1000VAC 50Hz for 1 minute;Between contacts that are disconnected at the same pole:1000VAC 50Hz for 1 minute; Between contacts and lamp terminals: 1000VAC 50Hz for 1 minute;
Degree of Protection	Indicator light and button: IP65 (in front of the panel); Selection and emergency stop: IP40 (in front of the panel); Key: IP20 (front of panel)
Action stroke	Connect approximately 1.5mm, with a total travel distance of approximately 3.5mm
Operating pressure	3~5N
Installation panel thickness	0.5~4mm
Nut torque	2~6N.m
Operating temperature	-25°C~55°C(No icing)
Working humidity	45%~85%(No condensation)
Mechanical Life	Self recovery: 1 million times; Self locking type: 100000 times; Selection and key: 250000 times
Electrical Life	100000 times
Vibration Resistance	10~55Hz, amplitude 1.2mm
Soldering Temperature	320°C±5°C 3S

LED lighting	
Lamp Type	Unidirectional LED light beads (need to distinguish positive and negative poles)
Rated Voltage	A:6VDC、B:12VDC、C:24VDC、D:110VAC、E:220VAC
Rated Current	Below 24V: approximately 15mA; Above 110V: approximately 8mA
Colour and number	R:Red、G:Green、B:Blue、W:White、Y:Yellow、O:orange
Life	40000H (reference value)
Depressurization method	Built-in resistor

Contact Ratings				
Rated insulation voltage		250VAC		
Heating current I _{th}		5A Temperature does not exceed the maximum allowed current		
Rated voltage		24V	110V	220V
AC (50/60HZ)	Resistive load	—	1.0A	0.5A
	Inductive load	—	0.7A	0.5A
DC	Inductive load	1.0A	0.2A	—
	Inductive load	0.7A	0.1A	—


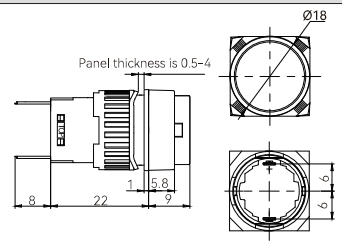


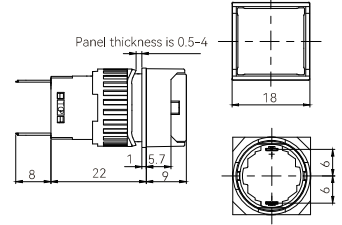
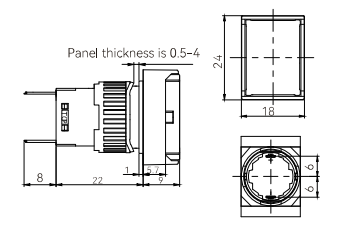
※ Applicable load (reference value)=5VAC/DC 5mA (usable range depends on usage conditions and load type)

Terminal style						
Terminal arrangement	Indicator	SPDT (Without LED)	DPDT (Without LED)	SPDT (With LED)	DPDT (With LED)	Buzzer
Wiring diagram						

Select the key handle position					
Operating position specifications		Contact	↙	↑	↗
L R		SPDT		—	
		DPDT		—	
L C R		DPDT		—	

AL2	16	-	1	T	R	C
series	Install size 16:16mm	Classification 1:Indicator	Kenel T:Round S:Square R:Rectangle	Color R:Red G:Green B:Blue W:White Y:Yellow A:orange	Voltage A:6VDC B:12VDC C:24VDC D:110VAC E:220VAC	

Specification


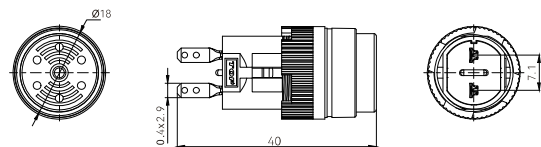

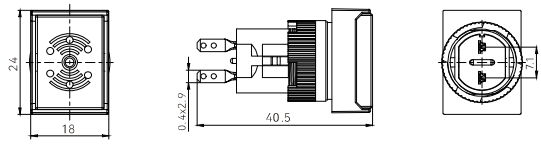
Appearance	Voltage	Model	Color	Dimensions
 <p>Round/Indicator</p>	6V AC/DC	AL216-1T□A	Please code with the following colors Replace the "□" in the model R: red ● G: green ● B: blue ● W: white ○ Y: yellow ● A: orange ●	
	12V AC/DC	AL216-1T□B		
	24V AC/DC	AL216-1T□C		
	110V AC/DC	AL216-1T□D		
	220V AC/DC	AL216-1T□E		
 <p>Square/Indicator</p>	6V AC/DC	AL216-1S□A		
	12V AC/DC	AL216-1S□B		
	24V AC/DC	AL216-1S□C		
	110V AC/DC	AL216-1S□D		
	220V AC/DC	AL216-1S□E		
 <p>Rectangle/Indicator</p>	6V AC/DC	AL216-1R□A		
	12V AC/DC	AL216-1R□B		
	24V AC/DC	AL216-1R□C		
	110V AC/DC	AL216-1R□D		
	220V AC/DC	AL216-1R□E		
	6V AC/DC	AL216-1R□A		
	12V AC/DC	AL216-1R□B		
	24V AC/DC	AL216-1R□C		
	110V AC/DC	AL216-1R□D		
	220V AC/DC	AL216-1R□E		

※ ① The light bead colors are R: red, G: green, B: blue, W: white, Y: yellow, and A: orange, and the listed codes can be used to replace the "□" in the model as needed; For more specifications, please request the "Technical Specification" from the business department.

AL216 - 8 Buzzer


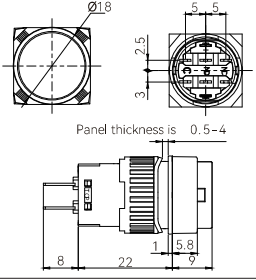


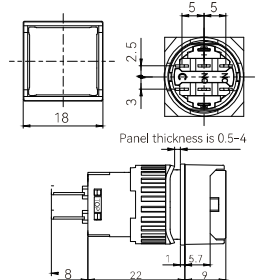
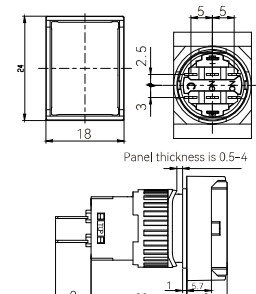
AL2	16	-	8	C	R	B
series	Installation dimensions 16:16mm	Classification 8: Buzzer	Kenel C:Circle continuous beeping D:Continuous buzzer with circular light RC:Rectangular continuous beeping RB:Continuous beeping with rectangular strip light	Color R:red	Voltage B:12VDC C:24VDC	

Specification

Appearance	Illuminated type	Form	Model	Dimensions
 <p>Circular buzzer</p>	Without LED	12VDC	AL216-8CRB	
		24VDC	AL216-8CRC	
	With LED	12VDC	AL216-8DRB	
		24VDC	AL216-8DRC	
 <p>Square buzzer</p>	Without LED	12VDC	AL216-8RCRB	
		24VDC	AL216-8RCRC	
	With LED	12VDC	AL216-8RDRB	
		24VDC	AL216-8RDRC	


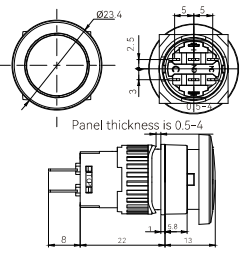


AL2	16	-	2	T	1	R	12	C
series	Install size 16:16mm		Classification 2: Button switch	Kernel T:Round S:Square R:Rectangle D1:Large circular shape DS:Large square DR:Large Rectangle	Function 1:Monetary 2:Maintained	Color R:Red G:Green B:Blue W:White Y:Yellow A:orange	Contact type 12:1N0+1NC 34:2N0+2NC	Voltage A:6VDC B:12VDC C:24VDC D:110VAC E:220VAC Non: without light

Specification

Appearance	Operation Type	Illuminated type	Contact type	Model	Color	Voltage	Dimensions
 Round/Pushbutton Switch	Monetary	Without LED	1N0+1NC	AL216-2T1□12	Please code with the following colors Replace the "□" in the model R: red ● G: green ● B: blue ● W: white ○ Y: yellow ● A: orange ●	Please code with the following colors Replace the "▲" in the model A: 6VDC B: 12VDC C: 24VDC D: 110VAC E: 220VAC	 Panel thickness is 0.5-4
			2N0+2NC	AL216-2T1□34			
		With LED	1N0+1NC	AL216-2T1□12▲			
			2N0+2NC	AL216-2T1□34▲			
	Maintained	Without LED	1N0+1NC	AL216-2T2□12			
			2N0+2NC	AL216-2T2□34			
With LED	1N0+1NC	AL216-2T2□12▲					
	2N0+2NC	AL216-2T2□34▲					
 Square/Pushbutton Switch	Monetary	Without LED	1N0+1NC	AL216-2S1□12			
			2N0+2NC	AL216-2S1□34			
		With LED	1N0+1NC	AL216-2S1□12▲			
			2N0+2NC	AL216-2S1□34▲			
	Maintained	Without LED	1N0+1NC	AL216-2S2□12			
			2N0+2NC	AL216-2S2□34			
With LED	1N0+1NC	AL216-2S2□12▲					
	2N0+2NC	AL216-2S2□34▲					
 Rectangular/Pushbutton Switch	Monetary	Without LED	1N0+1NC	AL216-2R1□12			
			2N0+2NC	AL216-2R1□34			
		With LED	1N0+1NC	AL216-2R1□12▲			
			2N0+2NC	AL216-2R1□34▲			
	Maintained	Without LED	1N0+1NC	AL216-2R2□12			
			2N0+2NC	AL216-2R2□34			
With LED	1N0+1NC	AL216-2R2□12▲					
	2N0+2NC	AL216-2R2□34▲					
 Panel thickness is 0.5-4							
 Panel thickness is 0.5-4							

※ ① The light bead colors are R: red, G: green, B: blue, W: white, Y: yellow, and A: orange, and the listed codes can be used to replace the "□" in the model as needed;
 ② The lamp bead voltages are A: 6VAC/DC, B: 12VAC/DC, C: 24VAC/DC, D: 110VAC/DC, and E: 220VAC/DC, respectively. The listed codes can be used to replace the "▲" in the models as needed. For more specifications, please request the "Technical Specification" from the business department.

AL216-2 Button switch



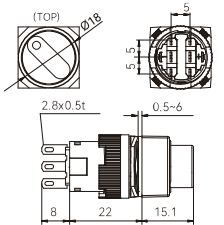





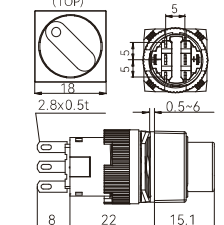





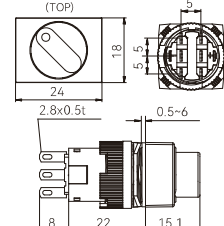





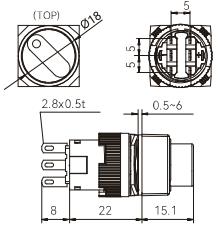





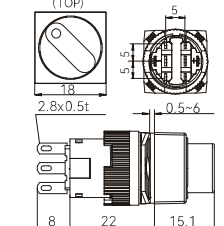





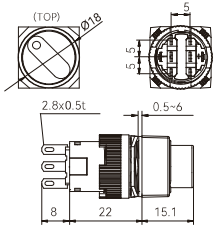



Appearance	Operation Type	Illuminated type	Contact type	Model	Color	Voltage	Dimensions
 <p>Large round/ Pushbutton Switch</p>	Momentary	Without LED	1N0+1NC	AL216-2DT1□12	Please code with the following colors Replace the "□" in the model R: red ● G: green ● B: blue ● W: white ○ Y: yellow ● A: orange ●	Please code with the following colors Replace the "▲" in the model A: 6VDC B: 12VDC C: 24VDC D: 110VAC E: 220VAC	 <p>Panel thickness is 0.5-4</p>
			With LED	1N0+1NC			
		2N0+2NC		AL216-2DT1□34			
			2N0+2NC	AL216-2DT1□34▲			
	Maintained	Without LED		1N0+1NC			
			2N0+2NC	AL216-2DT2□34			
With LED	1N0+1NC	AL216-2DT2□12▲					
	2N0+2NC	AL216-2DT2□34▲					
 <p>Large Square/ Pushbutton Switch</p>	Momentary	Without LED	1N0+1NC	AL216-2DS1□12			
			2N0+2NC	AL216-2DS1□34			
		With LED		1N0+1NC			AL216-2DS1□12▲
			2N0+2NC	AL216-2DS1□34▲			
	Maintained	Without LED		1N0+1NC	AL216-2DS2□12		
			2N0+2NC	AL216-2DS2□34			
With LED	1N0+1NC	AL216-2DS2□12▲					
	2N0+2NC	AL216-2DS2□34▲					
 <p>Large Rectangle/ Pushbutton Switch</p>	Momentary	Without LED	1N0+1NC	AL216-2DR1□12			
			2N0+2NC	AL216-2DR1□34			
		With LED		1N0+1NC	AL216-2DR1□12▲		
			2N0+2NC	AL216-2DR1□34▲			
	Maintained	Without LED		1N0+1NC	AL216-2DR2□12		
			2N0+2NC	AL216-2DR2□34			
With LED	1N0+1NC	AL216-2DR2□12▲					
	2N0+2NC	AL216-2DR2□34▲					

※ ① The light bead colors are R: red, G: green, B: blue, W: white, Y: yellow, and A: orange, and the listed codes can be used to replace the "□" in the model as needed;
 ② The lamp bead voltages are A: 6VAC/DC, B: 12VAC/DC, C: 24VAC/DC, D: 110VAC/DC, and E: 220VAC/DC, respectively. The listed codes can be used to replace the "▲" in the models as needed. For more specifications, please request the "Technical Specification" from the business department.

AL216-3 Selector switch

AL2	16	-	3	X	2	K	12	C
series	Install size 16.16mm	Classification 3: Selection switch	Kenel X:Second gear W:Third gear SX:Square two gears SW:Square three gear RX:Two rectangular gears RW:Rectangular third gear	Function 1:Monetary R:Red 2:Maintained G:Green B:Blue W:White Y:Yellow A:orange K:Black (without light)	Contact type 12:1N0+1NC 34:2N0+2NC Non: No contact	Voltage A:6VDC B:12VDC C:24VDC D:110VAC E:220VAC Non:without light		

Specification



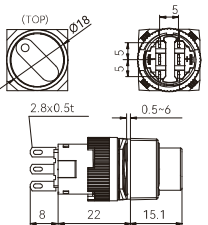







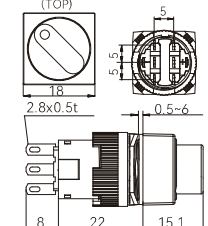







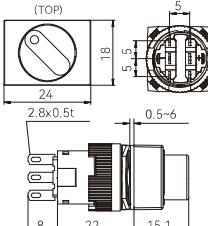





Appearance	Operation Type	Operation	Contact type	Model	Color	Voltage	Dimensions				
 Round/selector switch	Second gear	Monetary	 1N0+1NC	AL216-3X1K12	—	—					
		Maintained	 1N0+1NC	AL216-3X2K12							
	Third gear	Monetary	 2N0+2NC	AL216-3X2K34							
		Maintained	 2N0+2NC	AL216-3W2K34							
	 Square/selector switch	Second gear	Monetary	 1N0+1NC				AL216-3SX1K12	—	—	
			Maintained	 1N0+1NC				AL216-3SX2K12			
Third gear		Monetary	 2N0+2NC	AL216-3SX2K34							
		Maintained	 2N0+2NC	AL216-3RX2K34							
 Rectangle/selector switch		Second gear	Monetary	 1N0+1NC	AL216-3RX1K12	—	—				
			Maintained	 1N0+1NC	AL216-3RX2K12						
	Third gear	Monetary	 2N0+2NC	AL216-3RX2K34							
		Maintained	 2N0+2NC	AL216-3RW2K34							
	 Circular/selector switch	Two gears with lights	Monetary	 1N0+1NC	AL216-3X1□12▲				Please code with the following colors Replace the "□" in the model	Please code with the following colors Replace the "▲" in the model	
			Maintained	 1N0+1NC	AL216-3X2□12▲						
Third gear with light		Monetary	 2N0+2NC	AL216-3X2□34▲							
		Maintained	 2N0+2NC	AL216-3W2K34							
 Square/selector switch		Two gears with lights	Monetary	 1N0+1NC	AL216-3SX1□12▲	R: red ● G: green ● B: blue ● W: white ○ Y: yellow ● A: orange ●	A: 6VDC B: 12VDC C: 24VDC D: 110VAC E: 220VAC				
			Maintained	 1N0+1NC	AL216-3SX2□12▲						
	Third gear with light	Monetary	 2N0+2NC	AL216-3SX2□34▲							
		Maintained	 2N0+2NC	AL216-3SW2K34							
	 Rectangle/selector switch	Two gears with lights	Monetary	 1N0+1NC	AL216-3RX1□12▲				R: red ● G: green ● B: blue ● W: white ○ Y: yellow ● A: orange ●	A: 6VDC B: 12VDC C: 24VDC D: 110VAC E: 220VAC	
			Maintained	 1N0+1NC	AL216-3RX2□12▲						
Third gear with light		Monetary	 2N0+2NC	AL216-3RX2□34▲							
		Maintained	 2N0+2NC	AL216-3RW2K34							

※ ① The light bead colors are R: red, G: green, B: blue, W: white, Y: yellow, and A: orange, and the listed codes can be used to replace the "□" in the model as needed;
 ② The lamp bead voltages are A: 6VAC/DC, B: 12VAC/DC, C: 24VAC/DC, D: 110VAC/DC, and E: 220VAC/DC, respectively. The listed codes can be used to replace the "▲" in the models as needed. For more specifications, please request the "Technical Specification" from the business department.

AL216-4 Keyswitch


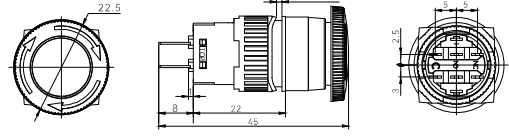
AL2	16	-	4	X	2	N	12
series	Install size 16:16mm	Classification 4: Keyswitch	Kenel X:Second gear W:Third gear SX:Square two gears SW:Square third gear RX:Two rectangular gears RW:Rectangular third gear	Function 1:Monetary 2:Maintained	Color N:Natural 34:2N0+2NC	Contact type 12:1N0+1NC 34:2N0+2NC	

Specification

Appearance	Operation Type	Operation	Contact type	Model	Color	Voltage	Dimensions
 Round/Keyswitch	Second gear	Monetary	 1N0+1NC	AL216-4X1N12	---	---	
		Monetary	 2N0+2NC	AL216-4X1N34			
	Maintained	 1N0+1NC	AL216-4X2N12				
		 2N0+2NC	AL216-4X2N34				
	Third gear	Monetary	 2N0+2NC	AL216-4W1N34			
		Maintained	 2N0+2NC	AL216-4W2N34			
 Square/Keyswitch	Second gear	Monetary	 1N0+1NC	AL216-4SX1N12	---	---	
		Monetary	 2N0+2NC	AL216-4SX1N34			
	Maintained	 1N0+1NC	AL216-4SX2N12				
		 2N0+2NC	AL216-4SX2N34				
	Third gear	Monetary	 2N0+2NC	AL216-4SW1N34			
		Maintained	 2N0+2NC	AL216-4SW2N34			
 Rectangular/Keyswitch	Second gear	Monetary	 1N0+1NC	AL216-4RX1N12	---	---	
		Monetary	 2N0+2NC	AL216-4RX1N34			
	Maintained	 1N0+1NC	AL216-4RX2N12				
		 2N0+2NC	AL216-4RX2N34				
	Third gear	Monetary	 2N0+2NC	AL216-4RW1K34			
		Maintained	 2N0+2NC	AL216-4RW2K34			

AL216-5 Emergency stop switch

AL2	16	-	5	T	2	R	12
series	Installation dimensions 16:16mm	Classification 5: Emergency stop switch	kenel T:Round	Function 2:Maintained	Color R:red	Contact type 12:1N0+1NC 34:2N0+2NC	

Appearance	Action type	Contact type	Model	Dimensions
 Circular emergency stop switch	Maintained	2N0+2NC	AL216-5T2R12	
	Maintained	2N0+2NC	AL216-5T2R34	