

Industrial Control Product Manual

Small Button/Plat Button/Limit Switch

Corporate Culture

Vision:

To make our company to be one of the leading enterprises in the industry of our domestic master-control electrical appliances with low-voltage and the construction machinery lighting.

Our Mission:

To provide customers with the best quality, the shortest delivery period, the best cost-effective products and optimal service!

Values:

Customer-oriented, never forget the mission; Pragmatic innovation, win-win cooperation!



Company Profile



Jiangyin Changjiang was built in 1992, the first company who designed the low voltage signal lamp with LED technology, and it was been used and produced. At the same time, created the brand of “Changjiang Electric Appliance” and gradually build it into a famous brand in China.

After 30 years of trials and hardships, the company has developed into a leader in the lighting industry of electrical appliances and construction machinery. The main products include: signal lamp, button, transfer switch, current transformer and construction machinery lighting, etc., widely used in the electric power, construction machinery, industrial control, elevator, communication, rail transit, new energy and other industries. The company's products are novel in design and reliable in performance, which are widely recognized by downstream customers, including many well-known enterprises.

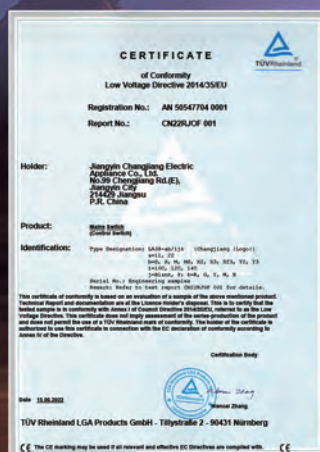
We adhere to be customer-oriented, rapidly response to our customers' non-standard customization needs, and strive to provide excellent solutions for customers; We adhere to the technical innovation as the support, and constantly expand our R&D team to focus on the product's development and upgrading; We insist on doing excellence in every detail, continuous optimization and improvement, and strive to provide superior quality and service for customers.

公司资质

ENTERPRISE QUALIFICATION

ENTERPRISE HONOR

HONOR ARTICLES



CONTENTS

● Miniative button, indicator, buzzer (φ16)

1*C series button	2
1*C series indicator.....	8
1*C series buzzer.....	9
Accessory.....	10
1*D series button.....	11

● CJK series flat button (φ22)

CJK series flat button.....	16
-----------------------------	----

● LA38 series flat button (φ30)

409B series button.....	22
-------------------------	----

● CJLS series limited switch

CJLS series limited switch.....	24
---------------------------------	----

● New product

New product.....	26
------------------	----



Miniature button, indicator, buzzer



Technology specification

Working condition	-25°C~+55°C/45%~85%RH		Contact resistance	≤50mΩ
Uimp	2000V AC		Insulation resistance	≥100MΩ
Mechanical life	Button 1 000 000; Switch 100 000; Emergency stop switch 50 000			
Electrical life	AC-15 100 000 (1200/h); DC-13 50 000 (1200/h); Indicator life > 30000h			
Light resource rated working voltage/current		AC DC 6V, 12V, 24V, 36V, 60V, 110V, 127V, 220V/≤18mA		
Contact	Rated insulation voltage Ui		250V	
	Resistive current Ith		5A	
	Rated working voltage Ue		24V	110V 220V
	Rated working current Ie	AC-15	/	5A 3A
		DC-13	0.7A	0.2A 0.1A

IP protection degree explain

Name	Series	Protection		
		Default	Customized	
			Indicator	Without indicator
Button	10C	IP40	IP54	IP65
	12C			IP54
	14C			IP54
Mushroom button	10C	IP40	IP54	IP65
Switch	10C	IP40	IP65	
Key switch	12C			
Emergency stop button	14C			

The "TH" product can work normally in hot and humid environment

Model explain

LA38-□□□/1□C □

Indicator voltage and color: represented by letters and numbers, such as "AC DC24V R"

Design code: "1" means installation hole size (16mm)

second letter means head shape ("0" is cycle, "2" is square, "4" is rectangle)

Third letter means series

Function code: normal is none, "D" is indicator type, "S" is self-locking type, "M" is mushroom button, "MS" is self-locking mushroom button, "X" is selector switch, "Y" is key switch, "Mxs" is rotary reset mushroom button

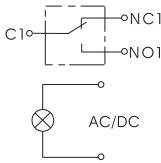
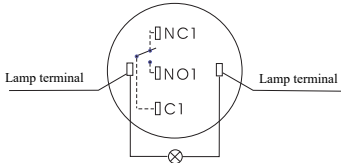
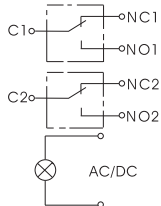
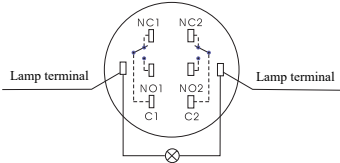
Contact code: means numbers of contact, first digit is NO, second digit is NC

Button code: Jiangyin Changjiang Electric Appliance CO., LTD. special, issued by Shanghai Electrical Science Research Institute, Ministry of Machinery

Flat installation accessory Z12, Z14

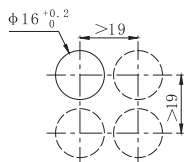


Contact form and wiring diagram

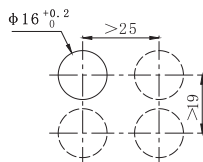
1NO+1NC	Wiring diagram	2NO+2NC	Wiring diagram
			

Hole size

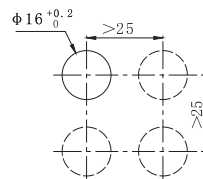
For cycle and sqaure head



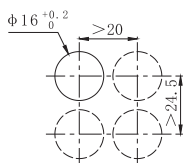
For rectangle head



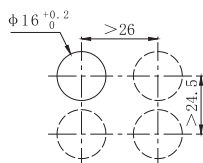
For mushroom head



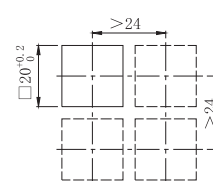
For AQG16-A cover



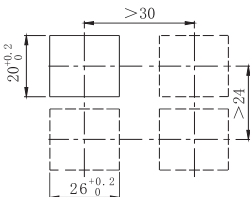
For AQG16-B cover



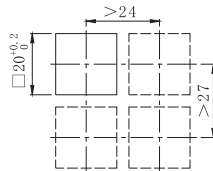
For sqaure accessory Z12



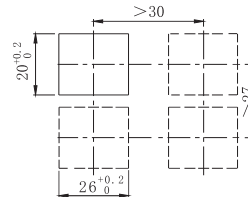
For rectangle accessory Z14



For AQG16-C cover




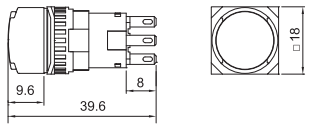

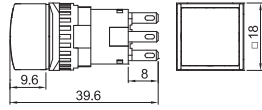


For AQG16-D cover



Notice


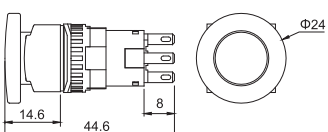
1. Wiring as much as possible to avoid soldering, it need to use international connector (2.8X0.5mm), and put on a sheath.
2. If have to solder: A.25W hand soldering, within 3s. B.240°C automatic soldering, within 3s.
Do not apply external force within one minute after soldering, then put on a sheath, please do not use solvent to assist soldering, to avoid solvent infiltration into the button, resulting in product damage.
3. Button must be operated by hand, and it is strictly prohibited to operate by tools!

Flat head button


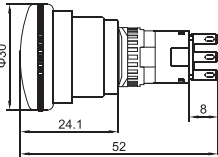


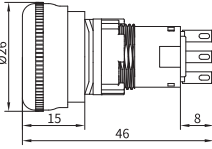


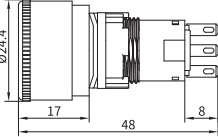

Type	Indicator	Without indicator	Contact	Picture and size (mm)
Cycle self-reset	LA38-11D/10C	LA38-11/10C	1NO-1NC	
	LA38-11D/10CP	LA38-11/10CP		
Cycle self-locking	LA38-11DS/10C	LA38-11S/10C		
	LA38-11DS/10CP	LA38-11S/10CP		
Cycle self-reset	LA38-22D/10C	LA38-22/10C	2NO-2NC	
	LA38-22D/10CP	LA38-22/10CP		
Cycle self-locking	LA38-22DS/10C	LA38-22S/10C		
	LA38-22DS/10CP	LA38-22S/10CP		
Square self-reset	LA38-11D/12C	LA38-11/12C	1NO-1NC	Flat installation accessory Z12 
	LA38-11D/12CP	LA38-11/12CP		
Square self-locking	LA38-11DS/12C	LA38-11S/12C		
	LA38-11DS/12CP	LA38-11S/12CP		
Square self-reset	LA38-22D/12C	LA38-22/12C	2NO-2NC	
	LA38-22D/12CP	LA38-22/12CP		
Square self-locking	LA38-22DS/12C	LA38-22S/12C		
	LA38-22DS/12CP	LA38-22S/12CP		
Rectangle self-reset	LA38-11D/14C	LA38-11/14C	1NO-1NC	Flat installation accessory Z14 
	LA38-11D/14CP	LA38-11/14CP		
Rectangle self-locking	LA38-11DS/14C	LA38-11S/14C		
	LA38-11DS/14CP	LA38-11S/14CP		
Rectangle self-reset	LA38-22D/14C	LA38-22/14C	2NO-2NC	
	LA38-22D/14CP	LA38-22/14CP		
Rectangle self-locking	LA38-22DS/14C	LA38-22S/14C		
	LA38-22DS/14CP	LA38-22S/14CP		

Note: 10CP, 12CP, 14CP are customized high IP protection degree.

Mushroom head button

Type	Indicator	Without indicator	Contact	Picture and size (mm)
Self-reset	LA38-11MD/10C	LA38-11M/10C	1NO-1NC	
	LA38-11MD/10CP	LA38-11M/10CP		
Self-locking	LA38-11MSD/10C	LA38-11MS/10C		
	LA38-11MSD/10CP	LA38-11MS/10CP		
Self-reset	LA38-22MD/10C	LA38-22M/10C	2NO-2NC	
	LA38-22MD/10CP	LA38-22M/10CP		
Self-locking	LA38-22MSD/10C	LA38-22MS/10C		
	LA38-22MSD/10CP	LA38-22MS/10CP		

Emergency stop button

Type	Indicator	Contact	Picture and size (mm)		
Rotary reset	LA38-11Mxs/10C	1NO-1NC			
	LA38-11Mxs/10CP				
	LA38-22Mxs/10C	2NO-2NC			
	LA38-22Mxs/10CP				
	LA38-11Mxs1/10C	1NO-1NC			
	LA38-11Mxs1/10CP				
	LA38-22Mxs1/10C	2NO-2NC			
	LA38-22Mxs1/10CP				
	LA38-11Mxs2/10C	1NO-1NC			
	LA38-11Mxs2/10CP				
LA38-22Mxs2/10C	2NO-2NC				
LA38-22Mxs2/10CP					

Note: 10CP are customized high IP protection degree.

Selector switch

Type	Indicator	Without indicator	Contact	Position	Picture and size (mm)		
Cycle two-position	LA38-11X2D/10C	LA38-11X2/10C	1NO-1NC	$\begin{matrix} \Delta & R \\ L & \end{matrix}$ $\searrow 90^\circ$			
	LA38-11X2D/10CP	LA38-11X2/10CP					
Cycle two-position	LA38-22X2D/10C	LA38-22X2/10C	2NO-2NC	$\begin{matrix} \Delta & R \\ L & \end{matrix}$ $\searrow 90^\circ$			
	LA38-22X2D/10CP	LA38-22X2/10CP					
Cycle three-position	LA38-22X3D/10C	LA38-22X3/10C	2NO-2NC	$\begin{matrix} L & C & R \\ 45^\circ & \searrow & 45^\circ \end{matrix}$			
	LA38-22X3D/10CP	LA38-22X3/10CP					
Cycle three-position reset	LA38-22Xf3D/10C	LA38-22Xf3/10C	2NO-2NC	$\begin{matrix} L & C & R \\ 45^\circ & \swarrow \searrow & 45^\circ \end{matrix}$			
Square two-position	LA38-11X2D/12C	LA38-11X2/12C	1NO-1NC	$\begin{matrix} \Delta & R \\ L & \end{matrix}$ $\searrow 90^\circ$	Flat installation accessory Z12  		
	LA38-11X2D/12CP	LA38-11X2/12CP					
Square two-position	LA38-22X2D/12C	LA38-22X2/12C	2NO-2NC	$\begin{matrix} \Delta & R \\ L & \end{matrix}$ $\searrow 90^\circ$			 
	LA38-22X2D/12CP	LA38-22X2/12CP					
Square three-position	LA38-22X3D/12C	LA38-22X3/12C	2NO-2NC	$\begin{matrix} L & C & R \\ 45^\circ & \searrow & 45^\circ \end{matrix}$		 	
	LA38-22X3D/12CP	LA38-22X3/12CP					
Square three-position reset	LA38-22Xf3D/12C	LA38-22Xf3/12C	2NO-2NC	$\begin{matrix} L & C & R \\ 45^\circ & \swarrow \searrow & 45^\circ \end{matrix}$			
Rectangle two-position	LA38-11X2D/14C	LA38-11X2/14C	1NO-1NC	$\begin{matrix} \Delta & R \\ L & \end{matrix}$ $\searrow 90^\circ$	Flat installation accessory Z14  		
	LA38-11X2D/14CP	LA38-11X2/14CP					
Rectangle two-position	LA38-22X2D/14C	LA38-22X2/14C	2NO-2NC	$\begin{matrix} \Delta & R \\ L & \end{matrix}$ $\searrow 90^\circ$			 
	LA38-22X2D/14CP	LA38-22X2/14CP					
Rectangle three-position	LA38-22X3D/14C	LA38-22X3/14C	2NO-2NC	$\begin{matrix} L & C & R \\ 45^\circ & \searrow & 45^\circ \end{matrix}$		 	
	LA38-22X3D/14CP	LA38-22X3/14CP					
Rectangle three-position reset	LA38-22Xf3D/14C	LA38-22Xf3/14C	2NO-2NC	$\begin{matrix} L & C & R \\ 45^\circ & \swarrow \searrow & 45^\circ \end{matrix}$			


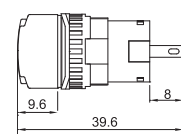


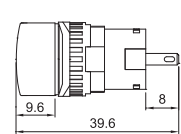


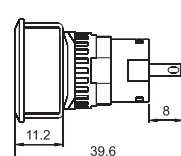
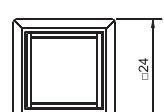

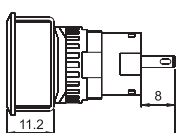
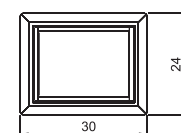
Note: 1. 10CP, 12CP, 14CP are customized high IP protection degree; 2. "C" or "△" means the initial position.

Key switch

Type	Without indicator	Contact	Position	Picture and size (mm)	
Cycle two-position	LA38-11Y2/10C	1NO-1NC	$\begin{matrix} \Delta & R \\ L & \searrow 90^\circ \end{matrix}$		
	LA38-11Y2/10CP				
Cycle two-position	LA38-22Y2/10C	2NO-2NC	$\begin{matrix} \Delta & R \\ L & \searrow 90^\circ \end{matrix}$		
	LA38-22Y2/10CP				
Cycle three-position	LA38-22Y3/10C	2NO-2NC	$\begin{matrix} L & C & R \\ 45^\circ & \searrow & 45^\circ \end{matrix}$		
	LA38-22Y3/10CP				
Square two-position	LA38-11Y2/12C	1NO-1NC	$\begin{matrix} \Delta & R \\ L & \searrow 90^\circ \end{matrix}$	<div>Flat installation accessory Z12</div> 	
	LA38-11Y2/12CP				
Square two-position	LA38-22Y2/12C	2NO-2NC	$\begin{matrix} \Delta & R \\ L & \searrow 90^\circ \end{matrix}$		
	LA38-22Y2/12CP				
Square three-position	LA38-22Y3/12C	2NO-2NC	$\begin{matrix} L & C & R \\ 45^\circ & \searrow & 45^\circ \end{matrix}$		
	LA38-22Y3/12CP				
Rectangle two-position	LA38-11Y2/14C	1NO-1NC	$\begin{matrix} \Delta & R \\ L & \searrow 90^\circ \end{matrix}$	<div>Flat installation accessory Z14</div> 	
	LA38-11Y2/14CP				
Rectangle two-position	LA38-22Y2/14C	2NO-2NC	$\begin{matrix} \Delta & R \\ L & \searrow 90^\circ \end{matrix}$		
	LA38-22Y2/14CP				
Rectangle three-position	LA38-22Y3/14C	2NO-2NC	$\begin{matrix} L & C & R \\ 45^\circ & \searrow & 45^\circ \end{matrix}$		
	LA38-22Y3/14CP				

Note: 1. 10CP, 12CP, 14CP are customized high IP protection degree; 2. "C" or "△" means the initial position.

Indicator

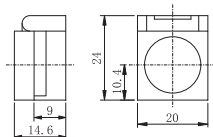
Type	Model	Rated working voltage (V)	Picture and size (mm)		
Cycle	AD11-16/21-10C	6、12、24 36、48、60 110、127、220			
Square	AD11-16/22-12C	6、12、24 36、48、60 110、127、220			
Flat installation accessory Z12	AD11-16/24-14C	6、12、24 36、48、60 110、127、220			
Rectangle	Flat installation accessory Z14	6、12、24 36、48、60 110、127、220			

Buzzer

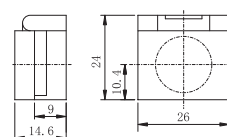
Type	Model	Wiring method	Picture and size (mm)		
Intermittent sound	CDY-16/21-10C	PCB board solder directly			
Continuous sound	CDY-16/21-10C1				
Intermittent sound	CDY-16/21-10CC	Pin connection			
Continuous sound	CDY-16/21-10CC1				
Intermittent sound	CDY-16/22-12C	PCB board solder directly		Flat installation accessory Z12	
Continuous sound	CDY-16/22-12C1				
Intermittent sound	CDY-16/22-12CC	Pin connection		Flat installation accessory Z12	
Continuous sound	CDY-16/22-12CC1				
Intermittent sound	CDY-16/24-14C	PCB board solder directly		Flat installation accessory Z14	
Continuous sound	CDY-16/24-14C1				
Intermittent sound	CDY-16/24-14CC	Pin connection		Flat installation accessory Z14	
Continuous sound	CDY-16/24-14CC1				

Accessory

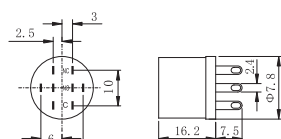
1. Protective cover AQC16-A



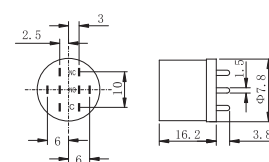
2. Protective cover AQC16-B



3. Soldering socket SZ-H

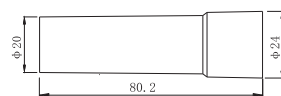


4. PCB board socket SZ-X

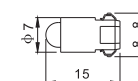


Note: the numbers of pin default is 5, if 8 need to remark

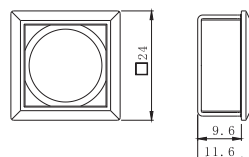
5. Installation wrench Q16-BS



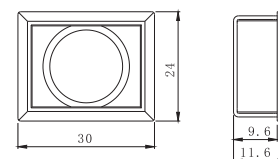
6. Lamp beads DZ1



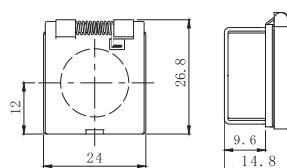
7. Flat installation accessory Z12



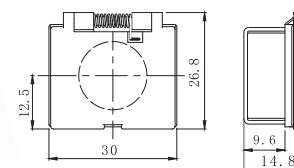
8. Flat installation accessory Z14



9. Square safety cap AQC16-C



10. Rectangle safety cap AQC16-D

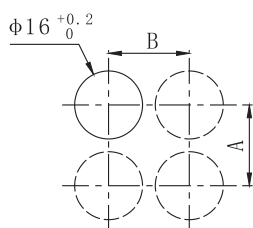


Technology specification

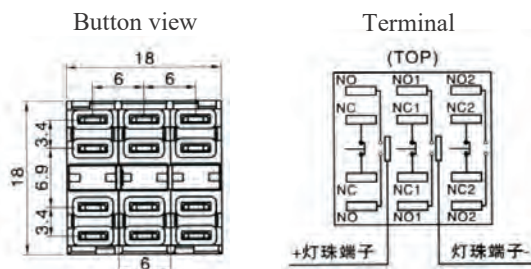
Working condition	-25°C~+55°C/45%~85%RH		Contact resistance	≤50mΩ
Electrical life	more than 500 000		Insulation resistance	≥100MΩ
Mechanical life	Self-reset button: 2 000 000; Self-locking button/selector switch/key switch/emergency stop button: 1 000 000			
Uimp	Between contact and light bead: 2 000V, AC, 50Hz, 1min Between negative or positive terminals: 1 000V, AC, 50Hz, 1min			
IP protection degree	IP40, "TH" product can work normally in hot and humid environment			
Wiring	Soldering line diameter: 2*0.8mm, maximum copper wire area: 0.75mm²; pin connection size: 2.8*0.5mm			
Soldering	230°C, within 3s		Operating distance	about 3mm
Light bead	Rated working voltage		AC/DC 6V, 12V, 24V, 110V, 220V	
	Light color		●红:R ●绿:G ●黄:Y ○白:W ●蓝:B	Life more than 30 000h
Contact	Rated insulation voltage Ui		250V	
	Resistive current Ith		5A	
	Rated working voltage Ue		24V	110V 220V
	Rated working current Ie	AC-15	5A	3A 2A
		DC-13	0.5A	0.1A /

Model explain
LA38-□□□/1*D □

- Indicator voltage and color: represented by letters and numbers, such as "AC DC24V R" Design code: "1"
- means installation hole size (16mm)
- second letter means head shape ("0" is cycle, "2" is square, "4" is rectangle)
- Third letter means series
- Function code: normal is none, "D" is indicator type, "S" is self-locking type, "X" is selector switch, "Y" is key switch, "Mxs" is rotary reset mushroom button
- Contact code: means numbers of contact, first digit is NO, second digit is NC
- Button code: Jiangyin Changjiang Electric Appliance CO., LTD. special, issued by Shanghai Electrical Science Research Institute, Ministry of Machinery


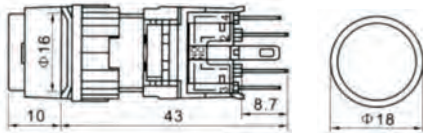

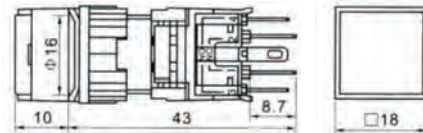

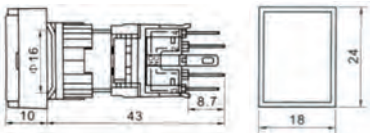
Hole size


Class	A	B
Cycle	≥18mm	≥18mm
Square	≥18mm	≥18mm
Rectangle	≥18mm	≥24mm
Mushroom	≥32mm	≥32mm


Notice


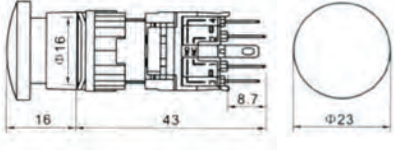
- Wiring as much as possible to avoid soldering, it need to use international connector (2.8X0.5mm), and put on a sheath.
- If have to solder: A.25W hand soldering, within 3s. B.240°C automatic soldering, within 3s.
Do not apply external force within one minute after soldering, then put on a sheath, please do not use solvent to assist soldering, to avoid solvent infiltration into the button, resulting in product damage.
- Button must be operated by hand, and it is strictly prohibited to operate by tools!

Flat head button


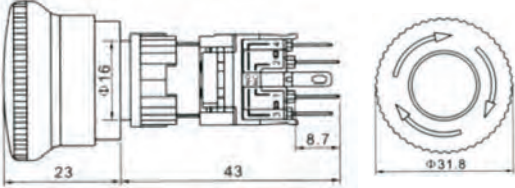
Type	Indicator	Without indicator	Picture and size (mm)
Cycle self-reset	LA38-□□D/10D	LA38-□□/10D	
Cycle self-locking	LA38-□□DS/10D	LA38-□□S/10D	
Square self-reset	LA38-□□D/12D	LA38-□□/12D	
Sqaure self-locking	LA38-□□DS/12D	LA38-□□S/12D	
Rectangle self-reset	LA38-□□D/14D	LA38-□□/14D	
Rectangle self-locking	LA38-□□DS/14D	LA38-□□S/14D	

Note: The button colors are red, white, green, blue, yellow, and black, of which black is not used for buttons with indicators.



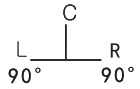
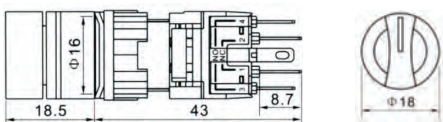


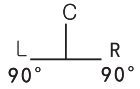
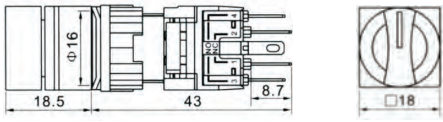
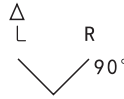

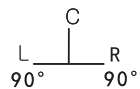
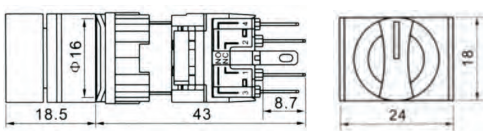
Mushroom head button

Type	Without indicator	Picture and size (mm)
Self-reset	LA38-□□M/10D	
Self-locking	LA38-□□MS/10D	

Emergency stop button

Type	Without indicator	Picture and size (mm)
Rotary reset	LA38-□□Mxs/10D	 

Selector switch

Type	Without indicator	Position	Picture and size (mm)
Cycle two-position	LA38-□□X2/10D		
Cycle three-position	LA38-□□X3/10D		
Square two-position	LA38-□□X2/12D		
Square three-position	LA38-□□X3/12D		
Rectangle two-position	LA38-□□X2/14D		
Rectangle three-position	LA38-□□X3/14D		

Note: "C" or "△" means the initial position.

CJK Series Flat Button



CJK SERIES BUTTON

Technology specification

Appliance environment

Standard	EN60947-5-1, GB/T14048.5
Certification	CE, CCC
Salt spray	TH
Temperature	Working: -25~+55°C, Storage: -40~+70°C
Vibration	Button: 50g, Mushroom: 8g
Shock	Button: 50g, Mushroom: 8g
Protection	IP65
Mechanical life	Button: 1 000 000; Self-locking button: 300 000; Selector switch: 300 000
Electrical life	

Contact characteristic

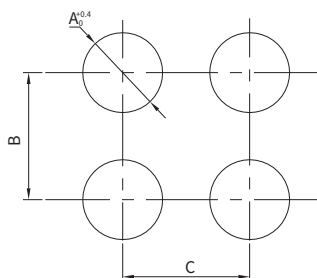
Rated characteristic	AC-15: $U_e=240V$, $I_e=3A$; $U_e=120V$, $I_e=6A$ DC-13: $U_e=250V$, $I_e=0.55A$; $U_e=125V$, $I_e=1.1A$
Rated insulation voltage	$U_i=400V$, Pollution degree 3
Rated impulse resistance voltage	$U_{imp}=4kV$
Aciton	Fast
Connector	CENELEC EN50013
Short circuit protection	10A gl core type IEC269-1, VDE0660-200
Rated power	EN60947-5-1 AnnexC, Suitable for AC-15 and DC-13 Operating: frequency: 3600 times/hrs
Wiring	Screw: min: $1 \times 0.5mm^2$, max: $2 \times 1.5mm^2$ or $1 \times 2.5mm^2$ Tightening torque: 0.8N.m

Light source characteristic

Standard	EN60947-5-1, GB/T14048.5
Light resource	LED
Rated voltage	ACDC6V, 12V, 24V, 36V, 48V, 60V, 110V, 127V, 220V, 380V
Life cycle	more than 30 000hrs
Voltage limit	$0.85U_e \leq U \leq 1.1U_e$
Color	○

Mounting hole size

Thickness of mounting panel: 0.5-5mm




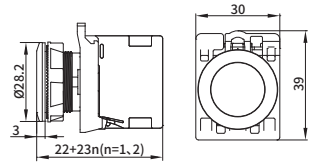

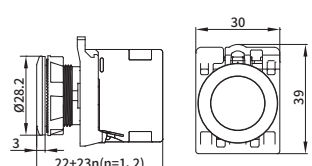

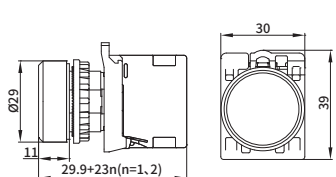

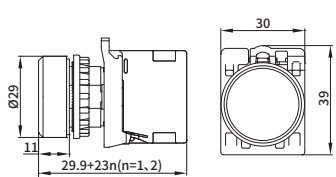
Head Type	A	B	C	Note
Flat	φ22.3	≥50	≥35	1. Unit:mm 2. B and C is minimum size
Switch		≥50	≥35	
Mushroom		≥50	≥42	
Oversize mushroom		≥70	≥70	
Double		≥60	≥35	

● Flat and flat illuminated head button

Model

Model	Series	House-color	Head	Operation	Action	Contact	Color	Voltage		
CJK	—	A	1	BD	—	R	F	10	R	21
CJK	A:Flat B:Normal C:Flat projecting D:Normal projecting	1:Black 4:Metal	B:Button BD:Illuminat ed button	R:Reset S:Self- locking	F:Fast E:Slow	10:1NO 01:1NC 11:1NO-1NC 20:2NO 02:2NC 22:2NO-2NC	R:Red Y:Yellow G:Green B:Blue K:Black W:White	21:ACDC6V 22:ACDC12V 23:ACDC24V 24:ACDC36V 25:ACDC48V 26:ACDC110V 28:ACDC220V		

Examples


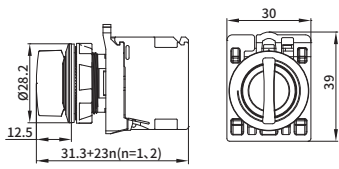

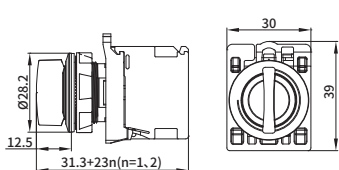

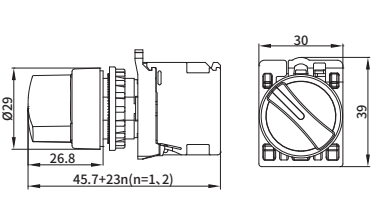

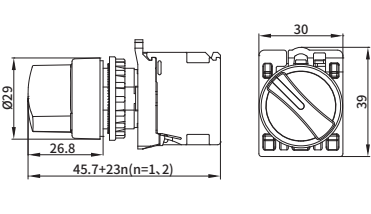
Picture	Series	Contact	Model	Size
	Flat cycle head	1NO	CJK-A1B-RF10W	
		1NC	CJK-A1B-RF01W	
		1NO-1NC	CJK-A1B-RF11W	
	Flat cycle illuminated head	1NO	CJK-A4BD-RF10R25	
		1NC	CJK-A4BD-RF01R25	
		1NO-1NC	CJK-A4BD-RF11R25	
	Normal cycle head	1NO	CJK-B1B-RF10R	
		1NC	CJK-B1B-RF01R	
		1NO-1NC	CJK-B1B-RF11R	
	Normal cycle illuminated head	1NO	CJK-B4BD-RF10R25	
		1NC	CJK-B4BD-RF01R25	
		1NO-1NC	CJK-B4BD-RF11R25	

● Selector switch

Model

Model	Series	House-color	Head	Handle	Operation	Action	Contact	Color		
CJK	—	A	1	X	—	S	2	F	10	R
CJK	A: Flat B: Normal	1: Black 4: Metal	X: Selector switch	S : Short L : Long	2: 2-position stay out	F: Fast E: Slow	10: 1NO	R : Red Y : Yellow G : Green B : Blue K : Black W : White		
					21: 2-position right return		01: 1NC 11: 1NO-1NC 20: 2NO 02: 2NC 21: 2NO-1NC 12: 1NO-2NC 22: 2NO-2NC 30: 3NO 03: 3NC 40: 4NO			
					3: 3-position stay out 31: 3-position right return 32: 3-position left return 33: 3-position return to center					

Examples


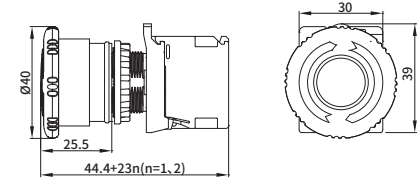

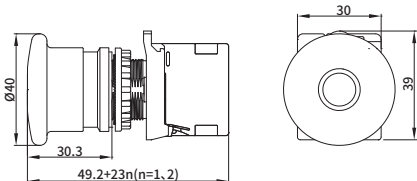

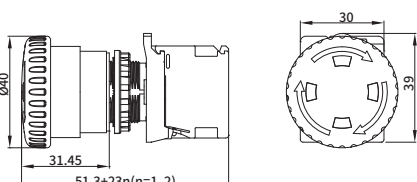

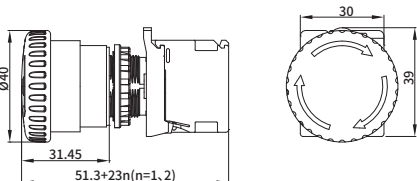
Picture	Series	Contact	Model	Size
	Flat head 2-position	1NO	CJK-A1X-S2F10K	
		1NC	CJK-A1X-S2F01K	
		1NO-1NC	CJK-A1X-S2F11K	
	Flat head 3-position	2NO	CJK-A4X-S3F20K	
		2NC	CJK-A4X-S3F02K	
		2NO-2NC	CJK-A4X-S3F22K	
	Normal and short handle head 2-position	1NO	CJK-B1X-S2F10K	
		1NC	CJK-B1X-S2F01K	
		1NO-1NC	CJK-B1X-S2F11K	
	Normal and short handle head 3-position	2NO	CJK-B4X-S3F20K	
		2NC	CJK-B4X-S3F02K	
		2NO-2NC	CJK-B4X-S3F22K	

● Emergency stop button

Model

Model	Series	House-color	Head	Operation	Action	Contact	Color		
CJK	—	E	3	W	—	J	F	10	R
CJK	E:φ40 waterproof mushroom head	2: Gray 3: Yellow	Z: Emergency stop button W: Emergency stop button with indicator	X: Rotary T: Pull J: Pull and rotary	F:Fast	10:1NO 01:1NC 11:1NO-1NC	R: Red		

Examples


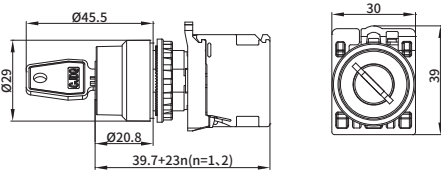

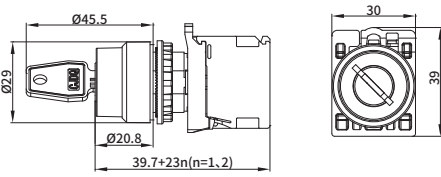
Picture	Series	Contact	Model	Size
	Rotary reset	1NO	CJK-E2Z-XF10R	
		1NC	CJK-E2Z-XF01R	
		1NO-1NC	CJK-E2Z-XF11R	
	Pull reset	1NO	CJK-E2Z-TF10R	
		1NC	CJK-E2Z-TF01R	
		1NO-1NC	CJK-E2Z-TF11R	
	Pull and rotary reset	1NO	CJK-E3W-JF10R	
		1NC	CJK-E3W-JF01R	
		1NO-1NC	CJK-E3W-JF11R	
	Indicator	1NO	CJK-E3Z-JF10R	
		1NC	CJK-E3Z-JF01R	
		1NO-1NC	CJK-E3Z-JF11R	

● Key switch

Model

Model	Series	House-color	Head	Operation	Key out position	Action	Contact		
CJK	—	B	1	Y	—	2	A	F	10
CJK	B:Normal	1:Black 4:Metal	Y:Key switch	2:2-position stay out 21:2-position right return	A:Any position L:Left R:Right M:Center	F:Fast E:Slow	10:1NO 01:1NC 11:1NO-1NC 20:2NO 02:2NC 21:2NO-1NC 12:1NO-2NC 22:2NO-2NC 30:3NO 03:3NC 40:4NO		
				3:3-position stay out 31:3-position right return 32:3-position left return 33:3-position return to center					

Examples

Picture	Series	Contact	Model	Size
	Normal 2-position	1NO	CJK-B1Y-2AF10	
		1NC	CJK-B1Y-2AF01	
		1NO-1NC	CJK-B1Y-2AF11	
	Normal 3-position	2NO	CJK-B1Y-3AF20	
		2NC	CJK-B1Y-3AF02	
		2NO-2NC	CJK-B1Y-3AF22	
	Normal 2-position	1NO	CJK-B4Y-2AF10	
		1NC	CJK-B4Y-2AF01	
		1NO-1NC	CJK-B4Y-2AF11	
	Normal 3-position	2NO	CJK-B4Y-3AF20	
		2NC	CJK-B4Y-3AF02	
		2NO-2NC	CJK-B4Y-3AF22	

LA38 Series Flat Button



LA38 SERIES BUTTON

●409B series button


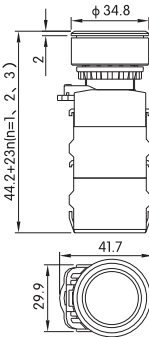

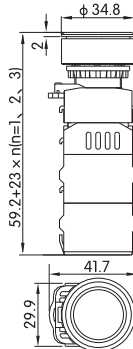
Model

Model	Contact	Head	Hole size	Head shape	Design code	Color	Voltage		
LA38	—	01	D	/	4	0	9B	R	AC DC 6V
LA38	10 : 1NO	Blank : Self-reset	4 : 30mm	0 : Cycle	9B	R : Red	ACDC6V		
	01 : 1NC	S : Self-locking				Y : Yellow	ACDC12V		
	11 : 1NO-1NC	D : indicator				G : Green	ACDC24V		
	20 : 2NO	DS : indicator and				B : Blue	ACDC36V		
	02 : 2NC	self-locking				K : Black	ACDC48V		
	21 : 2NO-1NC	X* : Short handle				W : White	ACDC110V		
	12 : 1NO-2NC	CX* : Long handle					ACDC220V		
	22 : 2NO-2NC						AC220V		
	30 : 3NO						AC380V		
	03 : 3NC								
	40 : 4NO								
	04 : 4NC								



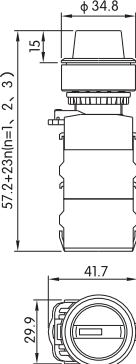





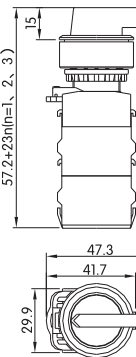



Technology specification

Resistive current	10A	
Rated insulation voltage	500V	
Rated characteristic	AC-15 :	DC-13 :
	AC110V/10A、AC220V/5.5A、AC380V/4A	DC24V/2.2A、DC48V/1.1A、DC110V/0.55A、DC220V/0.27A
Insulation resistance	≤50MΩ	
Power frequency withstand voltage	AC1890V50Hz·1min	
Mechanical life	Button:1 000 000; Selector switch/illuminated button/mushroom button: 300 000; Self-locking button/key switch: 100 000	
Electrical life	Button:500 000; Selector switch/illuminated button/mushroom button: 100 000; Self-locking button/key switch: 50 000	
Operating frequency	20times/60s	
Shock	30/30/50m/s ² ; 30ms; 18	
Vibration	2-13.2Hz/1mm; 13.2-100Hz/0.7g; 90min	
Working temperature	-25°C~+55°C, average temperature of one day should be less than 35°C	
Working humidity	≤90%RH, less than 50% when the temperature is over 40°C	

Flat button

Picture	Head	Series	Contact	Model	Size
	Flat	Self-reset	1NO	LA38-10/409B	
			1NC	LA38-01/409B	
			1NO-1NC	LA38-11/409B	
		Self-locking	1NO	LA38-10S/409B	
			1NC	LA38-01S/409B	
			1NO-1NC	LA38-11S/409B	
	Illuminated	Self-reset	1NO	LA38-10D/409B	
			1NC	LA38-01D/409B	
			1NO-1NC	LA38-11D/409B	
		Self-locking	1NO	LA38-10DS/409B	
			1NC	LA38-01DS/409B	
			1NO-1NC	LA38-11DS/409B	

Selector switch

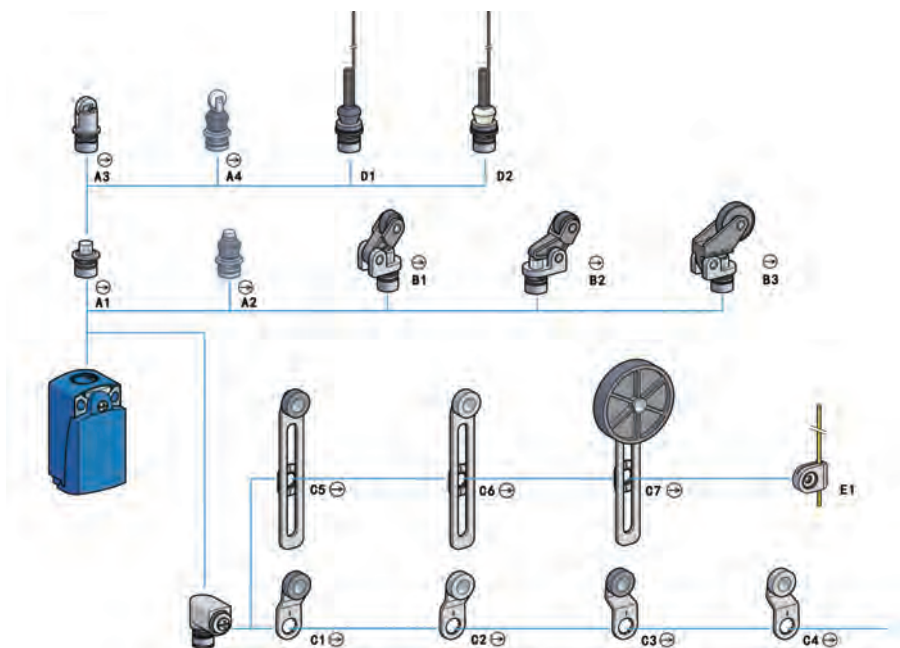
Picture	Handle	Position	Operation	Contact	Model	Size
	Short	2-Position	Stay out 	1NO	LA38-10X2/409B	
			Right return 	1NO	LA38-10Xr/409B	
		3-Position	Stay out 	2NO	LA38-20X3/409B	
			Return to center 	2NO	LA38-20Xf3/409B	
	Long	2-Position	Stay out 	1NO	LA38-10CX2/409B	
			Right return 	1NO	LA38-10CXr/409B	
		3-Position	Stay out 	2NO	LA38-20CX3/409B	
			Return to center 	2NO	LA38-20CXf3/409B	

Note: "C" or "△" means the initial position.

CJLS1-①②③④ / ⑤

① Material	② Action	③ Contact	④ Connector	⑤ Operating head type	
P : plastic	Q : fast	11 : 1NO+1NC	A : M16 B : M20 C : PG11 D : PG13.5 E : DT04-4P	A1 : Metal end plunger A2 : Metal end plunger with protective boot A3 : Steel roller plunger A4 : Steel roller plunger with protective boot B1 : Thermoplastic roller lever plunger, horizontal actuation B2 : Thermoplastic roller lever plunger, vertical actuation B3 : Thermoplastic roller lever plunger, horizontal or vertical actuation C1 : Thermoplastic roller lever, track 24/40mm C2 : Steel roller lever, track 24/40mm	C3 : Thermoplastic roller lever, track 29/36mm C4 : Steel roller lever, track 29/36mm C5 : Variable length thermoplastic roller lever C6 : Variable length steel roller lever C7 : Variable length thermoplastic roller lever, $\phi 50$ mm D1 : Cat's whisker L=142mm D2 : Cat's whisker L=330mm E1 : Round rod lever steel, $\phi 3$ mm, L=125mm

Operating head type

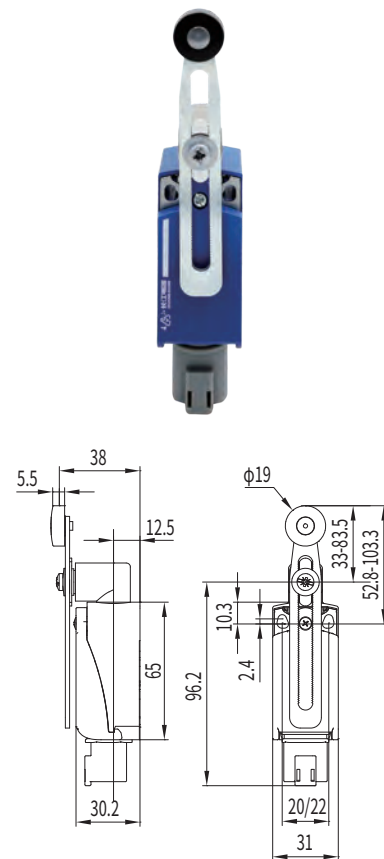
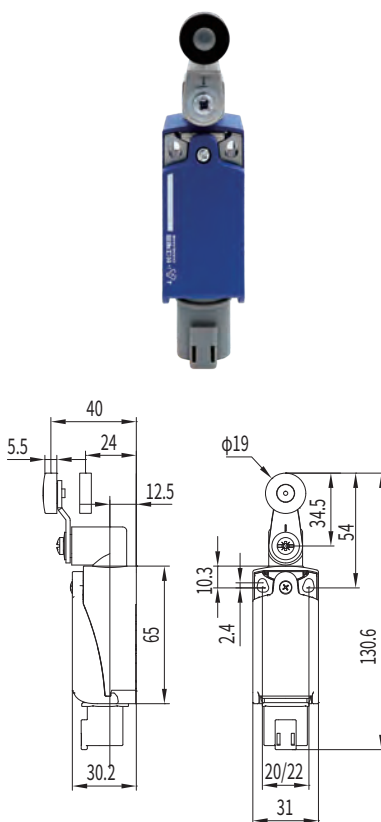
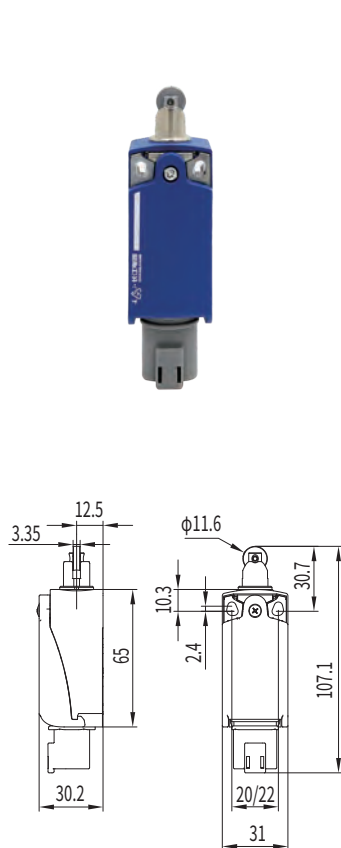


Common parameters

Contact	1NC+1NO	Electrical life	5 000 000
Action	Fast	Mechanical life	10 000 000
Rated working voltage	500V	Shock	50g, 11ms
Insulation resistance	$\geq 25M\Omega$	Vibration	10g, 10-500Hz
Rated impulse withstand voltage	6kV	IP Protection	IP67
Resistive current	10A	IK Protection	IK04
Electrical parameters	AC-15 $U_e=240V$, $I_e=3A$	Working temperature	-25°C~70°C
	DC-13 $U_e=250V$, $I_e=0.27A$	Storage temperature	-40°C~70°C

Technology specification

Parameters	Model		
	CJLS1-PQ11E/A3	CJLS1-PQ11E/C1	CJLS1-PQ11E/C5
Head	Plunger	Rotary	Plunger
Body	Plastic	Plastic	Plastic
Head materials	Zinc-alloy	Zinc-alloy	Zinc-alloy
Installation	Body	Body	Body
Type of head	Line	Rotary	Rotary
Type of operator	Metal end plunger	Thermoplastic roller lever	Thermoplastic roller lever, variable length
Type of actuation	2-direction	2-direction	2-direction
Pole	2	2	2
Switch actuation	by 30° cam	by 30° cam	by 30° cam
Connector	DT06-4S	DT06-4S	DT06-4S
Insulation form	Zb	Zb	Zb
Positive operation	NC	NC	NC
Minimum force for positive opening	36N	/	/
Minimum torque for positive opening	/	0.25N.m	0.25N.m
Minimum force for tripping	12N	/	/
Minimum torque for operating	/	0.1N.m	0.1N.m
Maximum actuation speed	0.5m/s	1.5m/s	1.5m/s
	CJLS1-PQ11E/A3	CJLS1-PQ11E/C1	CJLS1-PQ11E/C5



New Product
New Product



NEW PRODUCT LAUNCH

Welcome to inquire

Main products:

- ◆AD11 series signal lamp, tower lamp
- ◆CJK22 series signal lamp, button
- ◆UK series terminal connector
- ◆CJ series relay
- ◆Construction machinery lamp, switch, socket
- ◆PCM series integrated module
- ◆Metal signal lamp, button
- ◆LA38 series button
- ◆LW38 series change-over switch
- ◆CJH(BH) series current transformer
- ◆ANH series button box and case

Welcome to call us for this sample manual or visit our website for more inquiry



江阴长江电器股份有限公司
JIANGYIN CHANGJIANG ELECTRIC APPLIANCE CO., LTD.

地址：江苏省江阴市澄江东路99号

Add: No.99 Chengjiang R.(E), Jiangyin, Jiangsu, China

电话 (Tel) : 0510-86858743/0510-86852075

传真 (Fax) : 0510-86851360/0510-86853798

技术咨询: 0510-86851360/0510-86197012

Http://www.cjel.com E-mail: ad11@cjel.com