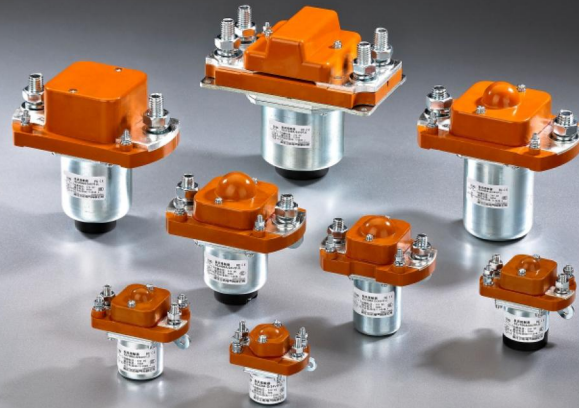


SZJ Series

This product for electric vehicles, telecommunication equipment, engineering machinery, car batteries, electric forklift trucks, trains, ships, electronic control systems such as uninterruptible power supply.



Model Implication

$\frac{\text{SZJ}}{1}$
 $\frac{-\square}{2}$
 $\frac{-\square}{3}$
 $\frac{-\square}{4}$
 $\frac{-\square}{5}$
 $\frac{-\square}{6}$
 $\frac{-\square}{7}$

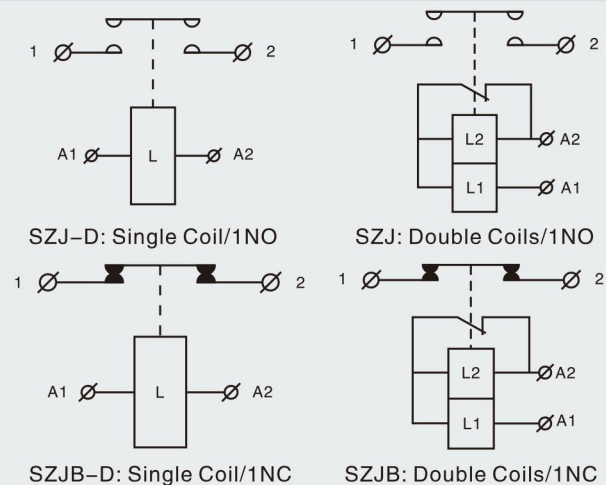
- 1 Product Type: SZJ-1NO; SZJB-1NC
- 2 Rated Current
- 3 Coil Type: None-Double Coil Structure; D-Single Coil Structure
- 4 Auxiliary Switch: None-Without Auxiliary Switch; S-With Auxiliary Switch
- 5 Mounting Bracket Type: None-M Horizontal (Default), E-Level Embedded, L(N)-Vertical, E1-Level Embedded Single Direction
- 6 Other Function Codes
- 7 Coil Rated Voltage: 6V, 12V, 24V, 36V, 48V, 60V, 72V, 84V, 120V, 150V, 220V etc.

Technical Parameters

Coil Rated Voltage(DC V)	12V, 24V, 48V, 60V etc.
Contact Voltage(DC V)	≤60V
Typical Voltage Drop Across Contacts Per 100A	≥80mV
The Cooling Pull-In Voltage at (20±5)°C (V)	≥70%
The Cooling Drop-Out Voltage at (20±5)°C (V)	≥35%, ≤5%
Working Voltage Range of 40°C Coil	0.8~1.2Us
Drop-out Time (n/o contacts to open)	10~30ms
Pull-in Time (n/o contacts to close)	5~15ms
Maximum Bounce Time for Contact Connection	10ms
Maximum Bounce Time for Contact Disconnection	3ms
Insulation Resistance	20MΩ
Electric Strength to Resist	50Hz/60Hz 1000VAC 1min
Temperature Rise of Coil(K)	≤60
Temperature Rise on Outgoing Terminal(K)	≤65
Electrical Life	20,000 Times
Mechanical Life	300,000 Times
Work Specification	Continuous
Contact Material	Ag Alloy

Note:As regarding to the different using environments of customers which requires different focus of the functions,and in order to improve the comprehensive properties of our products,sayoon may adjust the coil parameters,temperature rise and so on. The above parameters are for reference only, For details, please refer to the guidelines for selection and use of the SAYOON DC contactor.

Wiring Diagram



Mechanical Capability & Usage Environment

Ambient Temperature	-25~+70°C
Relative Humidity	+20°C 98%
Vibration freq. at The Fixed Position	3G, 1 ~ 50Hz Amplitude 0.5mm
Concussion	(60~100) Times/Min, Acceleration ≤ 4g
Altitude	2000m
Installation direction	Random
International Protection	IP40 (According IEC60947)

[illegible]

Technical drawings of the M-mount and E-mount for the 2000 series. The M-mount drawings show a top view with dimensions 70, 41.5, 66.5, 31.5, 20, 47.6, and a side view with dimensions 41.5, 66.5, 20, 31.5. The E-mount drawings show a top view with dimensions 70, 41.5, 66.5, 31.5, 20, 47.6, and a side view with dimensions 41.5, 66.5, 20, 31.5. The bottom view of the M-mount shows dimensions 51, 55, 3.85, 11, and 14. The bottom view of the E-mount shows dimensions 51, 55, 3.85, 11, and 14. The text "2-φ4.4" is shown on the side views of both mounts.

安装架形式M
Mount in the form M

安装架形式E
Mount in the form E



The image contains two sets of technical drawings for mounting brackets, labeled 'M' and 'E'.

Mounting Form M (Left):

- Front View:** Shows a rectangular base with a central circular feature. Dimensions: total width 47 mm, total height 101.5 mm, base thickness 53.8 mm, and a central feature height of 40 mm. Two mounting holes are shown with a diameter of $2 \times \phi 6.5$.
- Side View:** Shows the profile of the bracket. Dimensions: total width 56 mm, total height 90.3 mm (labeled as 85.3 mm for the model), and a base thickness of 35.5 mm.
- Top View:** Shows the top of the bracket. Dimensions: total width 65.5 mm, total height 26 mm, and a central feature height of 25 mm. Four mounting holes are shown with a diameter of $2 \times \phi 6.5$.
- Label:** 安装架形式M (Mount in the form M)

Mounting Form E (Right):

- Front View:** Shows a rectangular base with a central circular feature. Dimensions: total width 55 mm, total height 101.5 mm, base thickness 53.8 mm, and a central feature height of 40 mm. Two mounting holes are shown with a diameter of $2 \times \phi 6.5$.
- Side View:** Shows the profile of the bracket. Dimensions: total width 55 mm, total height 90.3 mm (labeled as 85.3 mm for the model), and a base thickness of 35.5 mm.
- Top View:** Shows the top of the bracket. Dimensions: total width 65.5 mm, total height 26 mm, and a central feature height of 25 mm. Four mounting holes are shown with a diameter of $2 \times \phi 6.5$.
- Label:** 安装架形式E (Mount in the form E)



Technical drawings of two types of mounting brackets, Form M and Form E, showing dimensions in millimeters.

Form M Dimensions:

- Top View: Overall width 104, mounting holes 2-M10, central hole diameter 66.25, side holes 2-M4, total height 105, distance from top to bottom hole 15.3, base width 63, hole diameter 6.5.
- Side View: Overall width 64, mounting holes 28.25, base width 80, hole diameter 80.

Form E Dimensions:

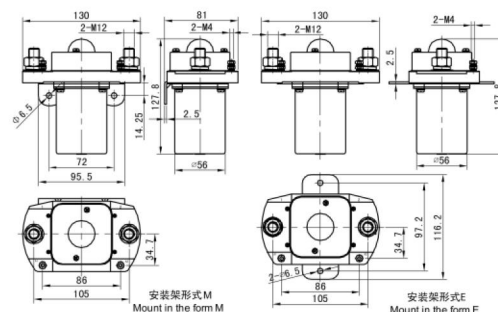
- Top View: Overall width 104, mounting holes 2-M10, central hole diameter 64, side holes 2-M4, total height 105, distance from top to bottom hole 2.5, base width 99, hole diameter 49.
- Side View: Overall width 63, mounting holes 4-6.5, base width 77.8, hole diameter 42.7, base width 84, hole diameter 80, distance from top to bottom hole 28.25.

安装架形式 M
Mount in the form M

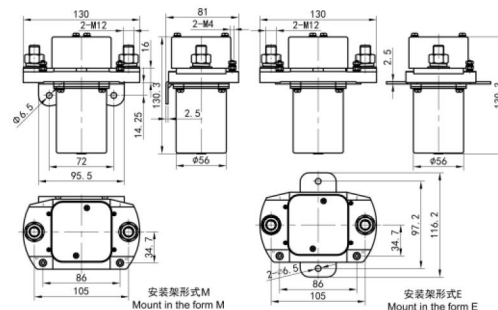
安装架形式 E
Mount in the form E



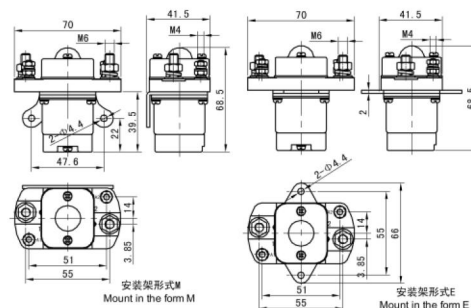
Contact Form: 1NO
Rated Current: 600A
Coil Type: Single Coil
Coil Power: 12–22W
Mounting Type: M Horizontal (Default),
E Level Embedded, E1 Horizontal
Embedded Hole Unidirectional



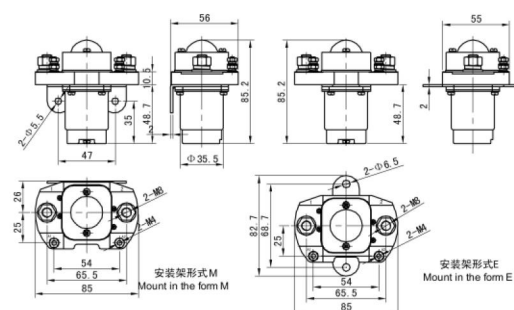
Contact Form: 1NO
Rated Current: 800A
Coil Type: Single Coil
Coil Power: 12–22W
Mounting Type: M Horizontal (Default),
E Level Embedded, E1 Horizontal
Embedded Hole Unidirectional



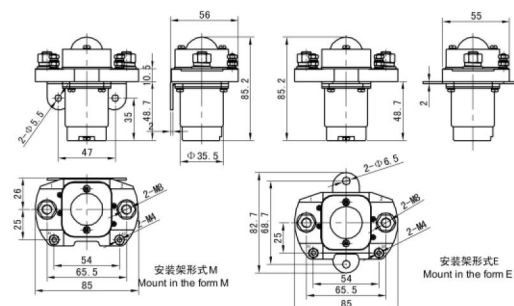
Contact Form: 1NO
Rated Current: 100A
Coil Type: Double Coils
Coil Power: Start 120–170, Keep 3–8W
Mounting Type: M Horizontal (Default),
E Level Embedded, L(N) Verical, E1
Horizontal Embedded Hole
Unidirectional



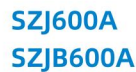
Contact Form: 1NO
Rated Current: 200A
Coil Type: Double Coils
Coil Power: Start 120~170, Keep 4~10W
Mounting Type: M Horizontal (Default), E
Level Embedded, X Oblique, L(N)
Verical, E1 Horizontal Embedded
Hole Unidirectional



Contact Form: 1NO
Rated Current: 300A
Coil Type: Double Coils
Coil Power: Start 120~170, Keep 4~10W
Mounting Type: M Horizontal (Default), E
Level Embedded, X Oblique, L(N)
Verical, E1 Horizontal Embedded
Hole Unidirectional



SZI series

[illegible][illegible]

Technical drawings of the 2000 Series pressure washer, showing four views: front, top, side, and rear. The drawings are labeled "Mount in the form M" and "Mount in the form E".

Mount in the form M:

- Front view: Overall width 130, mounting hole spacing 2-M12, base width 95.5, base height 72, top flange height 14.25, total height 126, top flange diameter $\phi 56$, and mounting hole diameter $\phi 6.5$.
- Top view: Overall width 81, mounting hole spacing 2-M4, base width 95.5, base height 72, top flange height 14.25, total height 126, top flange diameter $\phi 56$, and mounting hole diameter $\phi 6.5$.
- Side view: Overall width 130, mounting hole spacing 2-M12, base width 95.5, base height 72, top flange height 14.25, total height 126, top flange diameter $\phi 56$, and mounting hole diameter $\phi 6.5$.
- Rear view: Overall width 86, mounting hole spacing 2-M12, base width 105, base height 72, top flange height 14.25, total height 126, top flange diameter $\phi 56$, and mounting hole diameter $\phi 6.5$.

Mount in the form E:

- Front view: Overall width 130, mounting hole spacing 2-M12, base width 95.5, base height 72, top flange height 14.25, total height 126, top flange diameter $\phi 56$, and mounting hole diameter $\phi 6.5$.
- Top view: Overall width 81, mounting hole spacing 2-M4, base width 95.5, base height 72, top flange height 14.25, total height 126, top flange diameter $\phi 56$, and mounting hole diameter $\phi 6.5$.
- Side view: Overall width 130, mounting hole spacing 2-M12, base width 95.5, base height 72, top flange height 14.25, total height 126, top flange diameter $\phi 56$, and mounting hole diameter $\phi 6.5$.
- Rear view: Overall width 86, mounting hole spacing 2-M12, base width 105, base height 72, top flange height 14.25, total height 126, top flange diameter $\phi 56$, and mounting hole diameter $\phi 6.5$.



Technical drawings of the M-mount form for the 2000 series. The drawings show three views: front, side, and top. Dimensions are given in millimeters. Key dimensions include: front view (width 120, height 82, mounting holes 4-M12, 2-M4, 125.3, 40.6, 90, 88, 33.3, 94.1, 5, 70.5, 60.6, 0.98, 0.5, 3.2); side view (width 120, height 82, mounting holes 4-M12, 2-M4, 125.3, 40.6, 90, 88, 33.3, 94.1, 5, 70.5, 60.6, 0.98, 0.5, 3.2); top view (width 120, height 82, mounting holes 4-M12, 2-M4, 125.3, 40.6, 90, 88, 33.3, 94.1, 5, 70.5, 60.6, 0.98, 0.5, 3.2).

[illegible]

QZJ Series

This product for electric vehicles, telecommunication equipment, engineering machinery, car batteries, electric forklift trucks, trains, ships, electronic control systems such as uninterruptible power supply.



Model Implication

$\frac{\text{QZJ}}{1}$
 $\frac{-\square}{2}$
 $\frac{-\square}{3}$
 $\frac{-\square}{4}$
 $\frac{-\square}{5}$
 $\frac{/ \square}{6}$

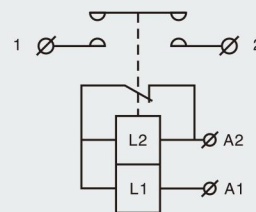
- 1 Product Type: QZJ-1NO; QZJB-1NC
- 2 Rated Current
- 3 Auxiliary Switch: None-Without Auxiliary Switch; S-With Auxiliary Switch
- 4 Mounting Bracket Type: None-M Horizontal (Default)
- 5 Other Function Codes
- 6 Coil Rated Voltage: 6V, 12V, 24V, 36V, 48V, 60V, 72V, 84V, 96V etc.

Technical Parameters

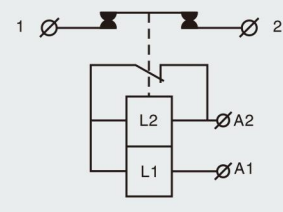
Coil Rated Voltage(DC V)	12V, 24V, 48V, 60V etc.
Contact Voltage(DC V)	$\leq 150V$
Typical Voltage Drop Across Contacts Per 100A	$\geq 80mV$
The Cooling Pull-In Voltage at $(20 \pm 5)^{\circ}C$ (V)	$\geq 70\%$
The Cooling Drop-Out Voltage at $(20 \pm 5)^{\circ}C$ (V)	$\geq 35\%$, $\leq 5\%$
Working Voltage Range of 40°C Coil	0.8-1.2Us
Drop-out Time (n/o contacts to open)	10-30ms
Pull-in Time (n/o contacts to close)	5-15ms
Maximum Bounce Time for Contact Connection	10ms
Maximum Bounce Time for Contact Disconnection	3ms
Insulation Resistance	20MΩ
Electric Strength to Resist	50Hz/60Hz 1000VAC 1min
Temperature Rise of Coil(K)	≤ 40
Temperature Rise on Outgoing Terminal(K)	≤ 65
Electrical Life	20,000 Times
Mechanical Life	300,000 Times
Work Specification	Continuous
Contact Material	Ag Alloy

Note:As regarding to the different using environments of customers which requires different focus of the functions,and in order to improve the comprehensive properties of our products,sayoon may adjust the coil parameters,temperature rise and so on. The above parameters are for reference only, For details, please refer to the guidelines for selection and use of the SAYOON DC contactor.

Wiring Diagram



QZJ: Double Coils/1NO



QZJB: Double Coils/1NC

Mechanical Capability & Usage Environment

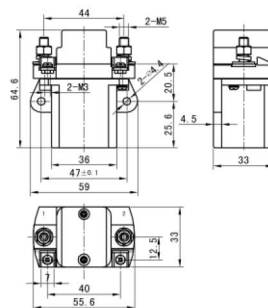
Ambient Temperature	-25~+70°C
Relative Humidity	+20°C 98%
Vibration freq. at The Fixed Position	3G, 1 ~ 50Hz Amplitude 0.5mm
Concussion	(60-100) Times/Min, Acceleration $\leq 4g$
Altitude	2000m
Installation direction	Random
International Protection	IP40 (According IEC60947)

QZJ Series DC Contactor



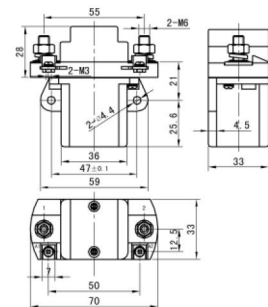
QZJ50A-D QZJB50A-D

Contact Form: 1NO; 1NC
Rated Current: 50A
Coil Type: Single Coil
Coil Power: 5–9W
Mounting Type: M Horizontal (Default)



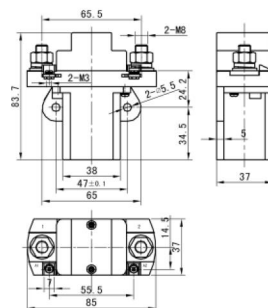
QZJ100A QZJB100A

Contact Form: 1NO; 1NC
Rated Current: 100A
Coil Type: Double Coils
Coil Power: Start 35–65, Keep 2–5W
Mounting Type: M Horizontal (Default)



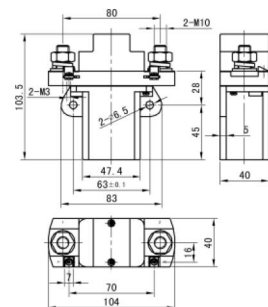
QZJ200A QZJB200A

Contact Form: 1NO; 1NC
Rated Current: 200A
Coil Type: Double Coils
Coil Power: Start 35–65, Keep 2–6W
Mounting Type: M Horizontal (Default)



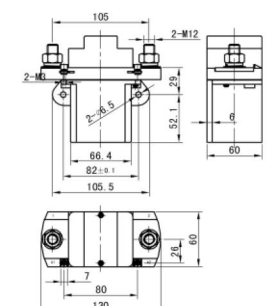
QZJ400A QZJB400A

Contact Form: 1NO; 1NC
Rated Current: 400A
Coil Type: Double Coils
Coil Power: Start 35–65, Keep 3–8W
Mounting Type: M Horizontal (Default)



QZJ600A QZJB600A

Contact Form: 1NO; 1NC
Rated Current: 600A
Coil Type: Double Coils
Coil Power: Start 35–65, Keep 4–10W
Mounting Type: M Horizontal (Default)



CZW Series

This product for electric vehicles, telecommunication equipment, engineering machinery, car batteries, electric forklift trucks, trains, ships, electronic control systems such as uninterruptible power supply.



Model Implication

CZW /
 1 2 3 4 5 6 7 8

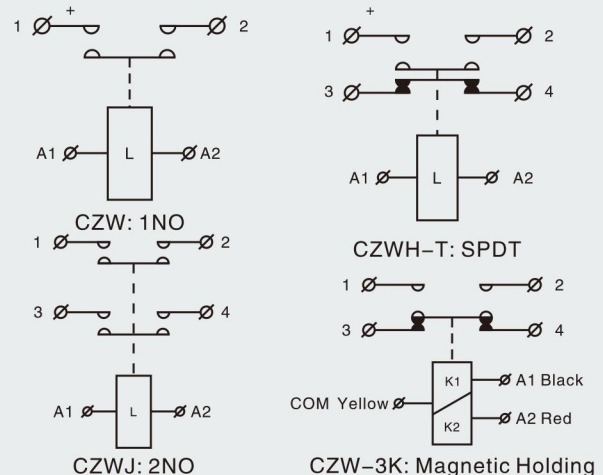
- 1 Product Type: CZW:1NO; CZWB:1NC; CZWH:1NO1NC; CZWH-T:SPDT; CZWH-2T:DPDT; CZWT:DPDT
- 2 Rated Current
- 3 Auxiliary Switch: None –Without Auxiliary Switch; S – With Auxiliary Switch
- 4 Magnetic Blowouts
- 5 Magnetic Holding Structure : K–Two joint Magnetic Retention; 2K–Three Joint Magnetic Retention
- 6 Mounting Bracket Type: M Horizontal (Default), 1L One Vertical, 2L Two Vertical
- 7 I–With Suppressor Diode, R–With Pre-Charged Resistance, U–Increase Rated Current 300A, CO–Continuous, IN–Intermittent
- 8 Coil Rated Voltage: 6V, 12V, 24V, 36V, 48V, 60V, 72V, 84V, 120V, 150V, 220V etc.

Technical Parameters

Coil Rated Voltage(DC V)	12V, 24V, 48V, 60V etc.
Contact Voltage(DC V)	≤80V
Typical Voltage Drop Across Contacts Per 100A	≥80mV
The Cooling Pull-In Voltage at (20±5)°C (V)	≥70%
The Cooling Drop-Out Voltage at (20±5)°C (V)	≥35%, ≤5%
Working Voltage Range of 40°C Coil	0.8–1.2Us
Drop-out Time (n/o contacts to open)	10–50ms
Pull-in Time (n/o contacts to close)	10–50ms
Maximum Bounce Time for Contact Connection	10ms
Maximum Bounce Time for Contact Disconnection	3ms
Insulation Resistance	20MΩ
Electric Strength to Resist	50Hz/60Hz 1000VAC 1min
Temperature Rise of Coil(K)	≤60
Temperature Rise on Outgoing Terminal(K)	≤65
Electrical Life	20,000 Times
Mechanical Life	300,000 Times
Work Specification	Continuous or Intermittent
Contact Material	Ag Alloy

Note:As regarding to the different using environments of customers which requires different focus of the functions,and in order to improve the comprehensive properties of our products,sayoon may adjust the coil parameters,temperature rise and so on. The above parameters are for reference only, For details, please refer to the guidelines for selection and use of the SAYOON DC contactor.

Wiring Diagram



Mechanical Capability & Usage Environment

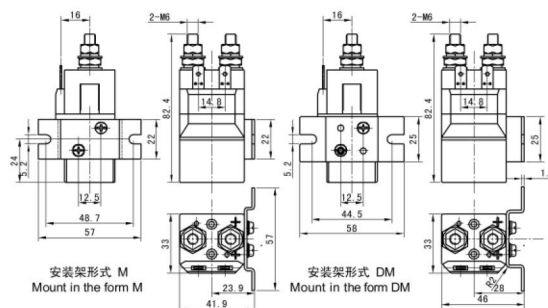
Ambient Temperature	-25~+70°C
Relative Humidity	+20°C 98%
Vibration freq. at The Fixed Position	3G, 1 ~ 50Hz Amplitude 0.5mm
Concussion	(60–100) Times/Min, Acceleration ≤ 4g
Altitude	2000m
Installation direction	Random
International Protection	IP40 (According IEC60947)

CZW Series DC Contactor



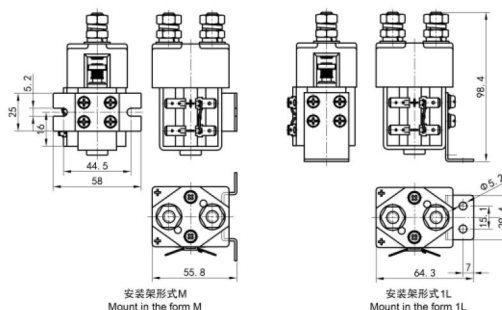
CZW50A

Contact Form: 1NO; Magnetic Holding
Rated Current: 50A
Contact Voltage: $\leq 60V$
Coil Power: 5–10W
Mounting Type: M Horizontal (Default),
DM Horizontal, 2L Two Vertical, 2LM
Two Horizontal, 1L One Vertical,
1LW One Vertical Horizontal



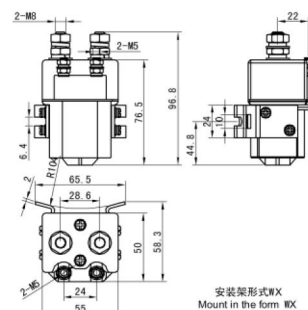
CZW100A

Contact Form: 1NO; Magnetic Holding
Rated Current: 100A
Contact Voltage: $\leq 80V$
Coil Power: 8–13W
Mounting Type: M Horizontal (Default),
1L One Vertical, 2L Two Vertical, X
Oblique, 1LW One Vertical
Horizontal, 2N Rear



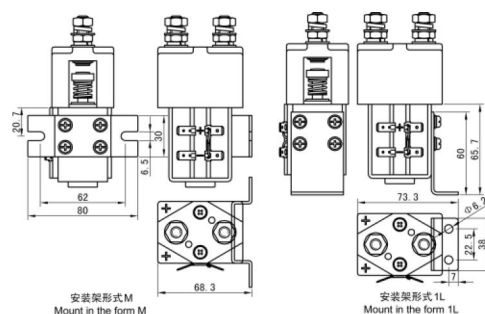
CZWP100A

Contact Form: 1NO
Rated Current: 100A
Contact Voltage: $\leq 80V$
Coil Power: 8–25W
Mounting Type: M Horizontal (Default),
X Oblique, 1L One Vertical, 2L Two
Vertical, 2N Rear, 2KRear Wide



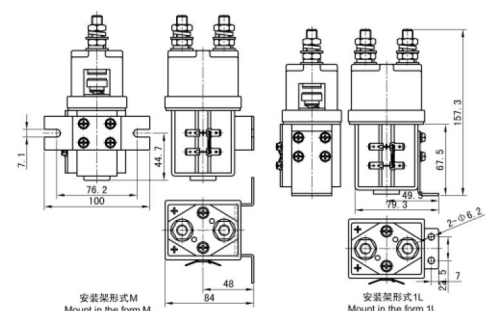
CZW200A

Contact Form: 1NO; Magnetic Holding
Rated Current: 200A
Contact Voltage: $\leq 80V$
Coil Power: 12–18W
Mounting Type: M Horizontal (Default),
1L One Vertical, 2L Two Vertical



CZW400A

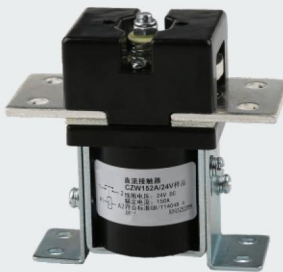
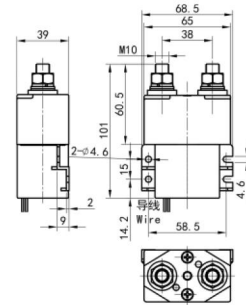
Contact Form: 1NO; Magnetic Holding
Rated Current: 400A
Contact Voltage: $\leq 80V$
Coil Power: 13–30W
Mounting Type: M Horizontal (Default),
1L One Vertical, 2L Two Vertical





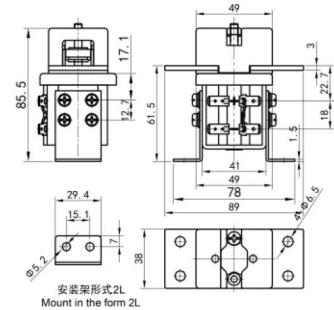
CZW400A-3K

Contact Form: Magnetic Holding
Rated Current: 40A
Contact Voltage: $\leq 60V$
Coil Power: Start 18-30, Keep 0W
Mounting Type: M Horizontal (Default)



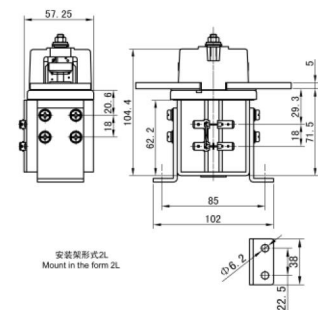
CZW152A~352A

Contact Form: 1NO; Magnetic Holding
Rated Current: 150A; 250A; 350A
Contact Voltage: $\leq 60V$
Coil Power: 14-23W
Mounting Type: 2L Two Vertical(Default),
X Oblique, M Horizontal 1L One
Vertical, 1LW One Vertical Horizontal,
2N Rear(152A, 252A)



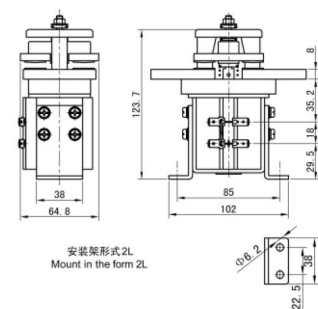
CZW600A

Contact Form: 1NO; Magnetic Holding
Rated Current: 600A
Contact Voltage: $\leq 80V$
Coil Power: 20-45W
Mounting Type: 2L Two Vertical(Default),
M Horizontal



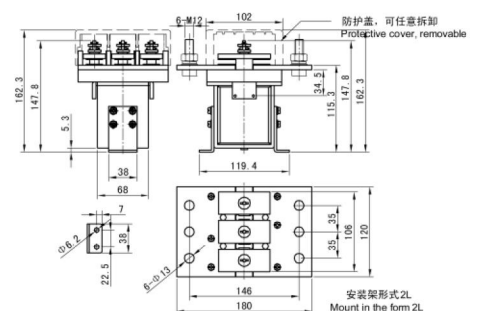
CZW800A

Contact Form: 1NO; Magnetic Holding
Rated Current: 800A
Contact Voltage: $\leq 80V$
Coil Power: 20-45W
Mounting Type: 2L Two Vertical(Default),
M Horizontal



CZW1600A~3000A

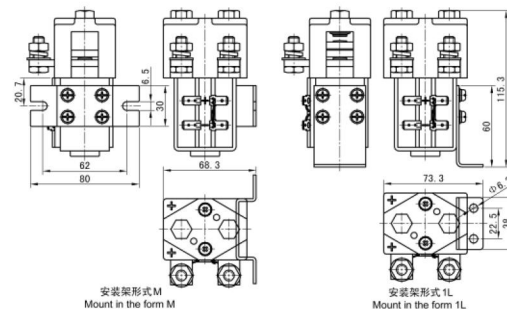
Contact Form: 1NO; Magnetic Holding
Rated Current: 1600A; 2000A; 3000A
Contact Voltage: $\leq 80V$
Coil Power: 20-45W
Mounting Type: 2L Two Vertical(Default),
M Horizontal





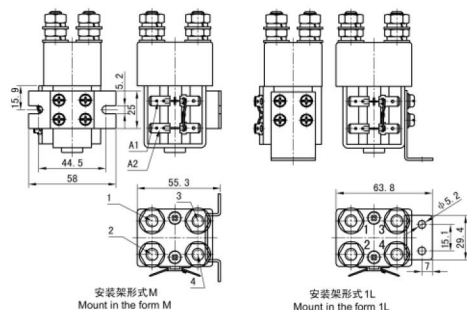
CZWB Series

Contact Form: 1NC; 2NC
Rated Current: 100A; 200A; 400A
Contact Voltage: $\leq 80V$
Coil Power: 14–23W; 20–35W; 22–40W
Mounting Type: M Horizontal (Default),
1L One Vertical, 2L Two Vertical, X
Oblique, 2N Rear(100A)



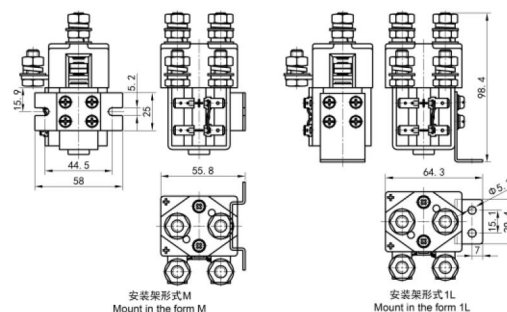
CZWJ Series

Contact Form: 2NO; 4NO
Rated Current: 100A; 200A
Contact Voltage: $\leq 80V$
Coil Power: 14–23W; 20–35W
Mounting Type: M Horizontal (Default),
1L One Vertical, 2L Two Vertical, X
Oblique, 2N Rear(100A)



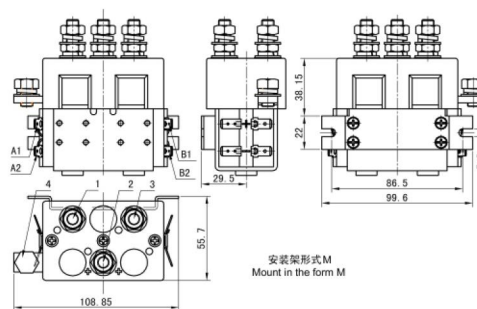
CZWH Series

Contact Form: 1NO1NC; SPDT; DPDT
Rated Current: 100A; 200A; 400A
Contact Voltage: $\leq 80V$
Coil Power: 14–23W; 20–35W; 22–40W
Mounting Type: M Horizontal (Default),
1L One Vertical, 2L Two Vertical, X
Oblique, 2N Rear(100A)



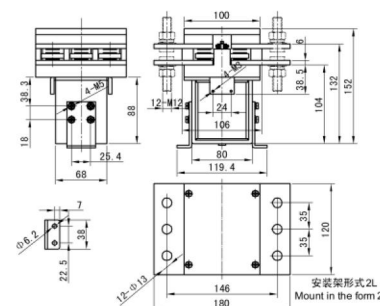
CZWT Series

Contact Form: DPDT
Rated Current: 150A; 200A
Contact Voltage: $\leq 80V$
Coil Power: 14–23W; 20–35W
Mounting Type: M Horizontal (Default),
2L Two Vertical, 4L Four Vertical,
N Multi-Functional Vertical



CZWH1600A~3000A-K

Contact Form: 2NO 2NC; Magnetic Holding
Rated Current: 1600A; 2000A; 3000A
Contact Voltage: $\leq 60V$
Coil Power: K Start 30–42; 2KStart 60–82,
Keep 0W Mounting Type: 2L Two
Vertical(Default), M Horizontal,
1L One Vertical



SDC15 Series

The product has one normally open contact, which is suitable for electric control systems such as electric pump, oil pump, lifting coaming, construction machinery, crane and so on.



Model Implication

SDC15 $\frac{\square}{1}$ $\frac{\square}{2}$ $\frac{\square}{3}$ $\frac{\square}{4}$ $\frac{\square}{5}$ $\frac{\square}{6}$

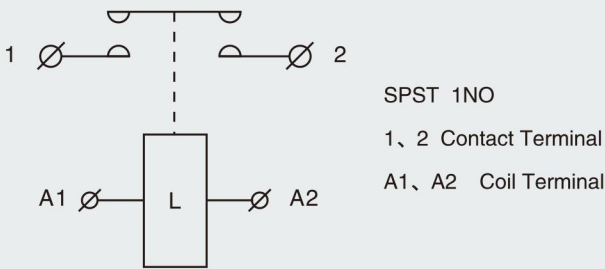
- 1 Product Type
- 2 Rated Current
- 3 Mounting Bracket Type: None –H Arc (Default), M Horizontal
- 4 Coil Outgoing Mode: P: 6.3 Insert, W: M5 Screw
- 5 INT Intermittent(Default); CO Continuous
- 6 Coil Rated Voltage: 6V, 12V, 24V, 36V, 48V, 60V, 72V, 84V, 120V, 150V, 220V etc.

Technical Parameters

Coil Rated Voltage(DC V)	12V, 24V, 48V,60V etc.
Contact Voltage(DC V)	≤60V
Typical Voltage Drop Across Contacts Per 100A	≥80mV
The Cooling Pull-In Voltage at (20 ± 5)°C (V)	≥70%
The Cooling Drop-Out Voltage at (20±5)°C (V)	≥35%, ≤5%
Working Voltage Range of 40°C Coil	0.8–1.2Us
Drop-out Time (n/o contacts to open)	30ms
Pull-in Time (n/o contacts to close)	5ms
Maximum Bounce Time for Contact Connection	10ms
Maximum Bounce Time for Contact Disconnection	3ms
Insulation Resistance	20MΩ
Electric Strength to Resist	50Hz/60Hz 1000VAC 1min
Temperature Rise of Coil(K)	≤80
Temperature Rise on Outgoing Terminal(K)	≤65
Electrical Life	20,000 Times
Mechanical Life	300,000 Times
Work Specification	Intermittent
Contact Material	Ag Alloy

Note:As regarding to the different using environments of customers which requires different focus of the functions,and in order to improve the comprehensive properties of our products,sayoon may adjust the coil parameters,temperature rise and so on. The above parameters are for reference only, For details, please refer to the guidelines for selection and use of the SAYOON DC contactor.

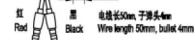
Wiring Diagram



Mechanical Capability & Usage Environment

Ambient Temperature	25~+70°C
Relative Humidity	+20°C 98%
Vibration freq. at The Fixed Position	3G, 1 ~ 50Hz Amplitude 0.5mm
Concussion	(60–100) Times/Min, Acceleration ≤ 4g
Altitude	2000m
Installation direction	Random
International Protection	IP40 (According IEC60947)

SDC15 series



CZQ Series

This product for electric vehicles, telecommunication equipment, engineering machinery, car batteries, electric forklift trucks, trains, ships, electronic control systems such as uninterruptible power supply.



Model Implication

CZQ -□ -□ -□ / □
1 2 3 4 5

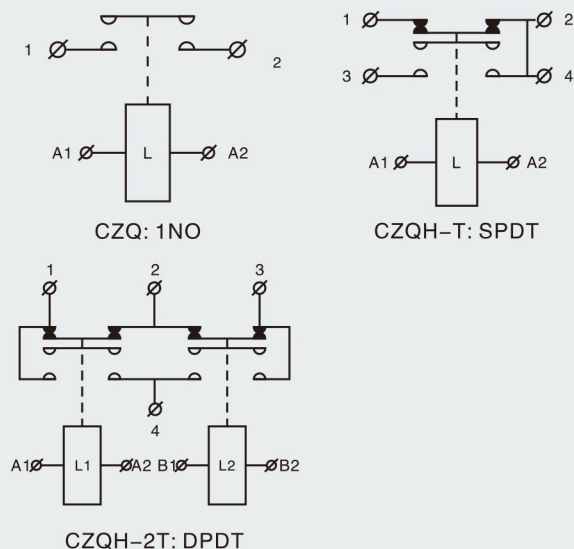
- 1 Product Type: CZQ: 1 NO; CZQH-T: SPDT; CZQH-2T: DPDT
- 2 Rated Current
- 3 P: With Protective Cover(Default)
- 4 Working System: CO Continuous; INT Intermittent
- 5 Coil Rated Voltage: 6V, 12V, 24V, 36V, 48V, 60V, 72V, 84V, 120V, 150V, 220V etc.

Technical Parameters

Coil Rated Voltage(DC V)	12V, 24V, 48V, 60V etc.
Contact Voltage(DC V)	≤60V
Typical Voltage Drop Across Contacts Per 100A	≥80mV
The Cooling Pull-In Voltage at (20±5)°C (V)	≥70%
The Cooling Drop-Out Voltage at (20±5)°C (V)	≥35%, ≤5%
Working Voltage Range of 40°C Coil	0.8~1.2Us
Drop-out Time (n/o contacts to open)	10~30ms
Pull-in Time (n/o contacts to close)	5~15ms
Maximum Bounce Time for Contact Connection	10ms
Maximum Bounce Time for Contact Disconnection	3ms
Insulation Resistance	20MΩ
Electric Strength to Resist	50Hz/60Hz 1000VAC 1min
Temperature Rise of Coil(K)	≤60
Temperature Rise on Outgoing Terminal(K)	≤65
Electrical Life	20,000 Times
Mechanical Life	300,000 Times
Work Specification	Continuous or Intermittent
Contact Material	Ag Alloy

Note:As regarding to the different using environments of customers which requires different focus of the functions,and in order to improve the comprehensive properties of our products,sayoon may adjust the coil parameters,temperature rise and so on. The above parameters are for reference only. For details, please refer to the guidelines for selection and use of the SAYOON DC contactor.

Wiring Diagram



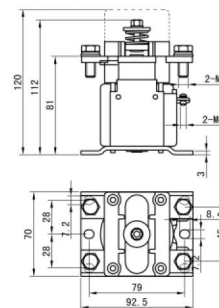
Mechanical Capability & Usage Environment

Ambient Temperature	-25~+70°C
Relative Humidity	+20°C 98%
Vibration freq. at The Fixed Position	3G, 1 ~ 50Hz Amplitude 0.5mm
Concussion	(60~100) Times/Min, Acceleration ≤ 4g
Altitude	2000m
Installation direction	Random
International Protection	IP40 (According IEC60947)



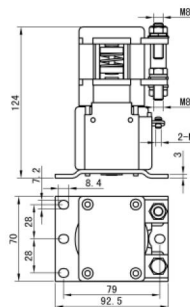
CZQ150A

Contact Form: 1NO
Rated Current: 150A
Coil Power: 20–35W
Mounting Type: Vertical



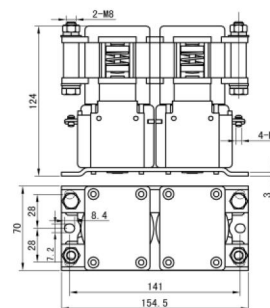
CZQH150A-T

Contact Form: SPDT
Rated Current: 150A
Coil Power: 30–50W
Mounting Type: Vertical



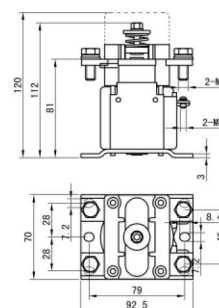
CZQH150A-2T

Contact Form: DPDT
Rated Current: 150A
Coil Power: 30–50W
Mounting Type: Vertical



CZQ300A

Contact Form: 1NO
Rated Current: 300A
Coil Power: 20–35W
Mounting Type: Vertical



CZQH300A-T

Contact Form: SPDT
Rated Current: 300A
Coil Power: 30–50W
Mounting Type: Vertical

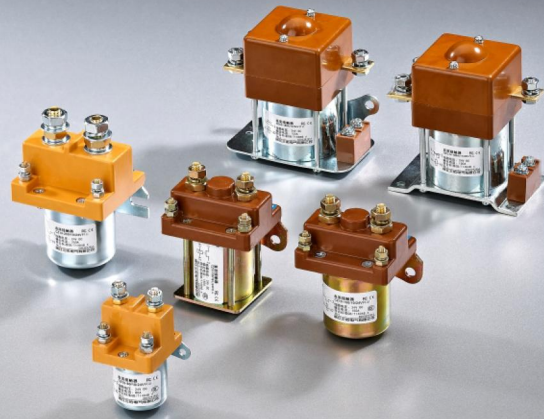


CZQH300A-2T

Contact Form: DPDT
Rated Current: 300A
Coil Power: 30–50W
Mounting Type: Vertical

CZ10 Series

This product have one normally open contact, for electric tricycle, electric machinery , floor sweeper, ceramic machine, throwing cars, brick car, clean cars, solar boats and electronic control systems such as uninterruptible power supply.



Model Implication

CZ10 $\frac{-\square}{1}$ $\frac{-\square}{2}$ $\frac{-\square}{3}$ $\frac{-\square}{4}$ $\frac{/10}{5}$ $\frac{/ \square}{6}$

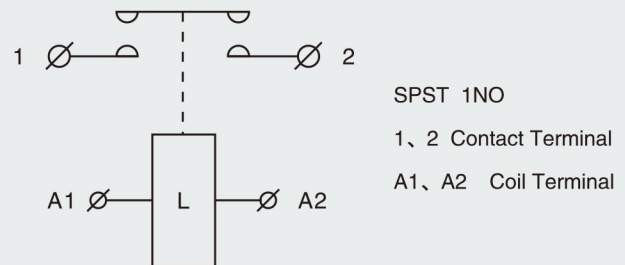
- 1 Product Type
- 2 Rated Current
- 3 Mounting Bracket Type: None – Horizontal (Default, E Level Embedded, H Arc, K Wide Distance, N Multi-Functional Vertical
- 4 Other Function Codes : CO: Continuous (Default), IN: Intermittent
- 5 Contact Structure: 1 NO
- 6 Coil Rated Voltage: 6V, 12V, 24V, 36V, 48V, 60V, 72V, 84V, 120V, 150V, 220V etc.

Technical Parameters

Coil Rated Voltage(DC V)	12V, 24V, 48V, 60V etc.
Contact Voltage(DC V)	$\leq 60V$
Typical Voltage Drop Across Contacts Per 100A	$\geq 80mV$
The Cooling Pull-In Voltage at $(20 \pm 5)^{\circ}C$ (V)	$\geq 70\%$
The Cooling Drop-Out Voltage at $(20 \pm 5)^{\circ}C$ (V)	$\geq 35\%$, $\leq 5\%$
Working Voltage Range of $40^{\circ}C$ Coil	0.8–1.2Us
Drop-out Time (n/o contacts to open)	25ms
Pull-in Time (n/o contacts to close)	10ms
Maximum Bounce Time for Contact Connection	10ms
Maximum Bounce Time for Contact Disconnection	3ms
Insulation Resistance	20M Ω
Electric Strength to Resist	50Hz/60Hz 1000VAC 1min
Temperature Rise of Coil(K)	≤ 60
Temperature Rise on Outgoing Terminal(K)	≤ 65
Electrical Life	10,000 Times
Mechanical Life	150,000 Times
Work Specification	Continuous
Contact Material	Ag Alloy

Note:As regarding to the different using environments of customers which requires different focus of the functions,and in order to improve the comprehensive properties of our products,sayoon may adjust the coil parameters,temperature rise and so on. The above parameters are for reference only, For details, please refer to the guidelines for selection and use of the SAYOON DC contactor.

Wiring Diagram



Mechanical Capability & Usage Environment

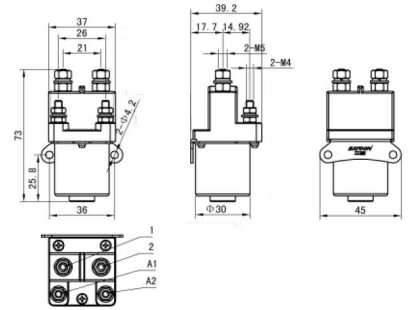
Ambient Temperature	$-25 \sim +70^{\circ}C$
Relative Humidity	$+20^{\circ}C$ 98%
Vibration freq. at The Fixed Position	3G, 1 ~ 50Hz Amplitude 0.5mm
Concussion	(60–100) Times/Min, Acceleration $\leq 4g$
Altitude	2000m
Installation direction	Random
International Protection	IP40 (According IEC60947)

CZ10 Series DC Contactor



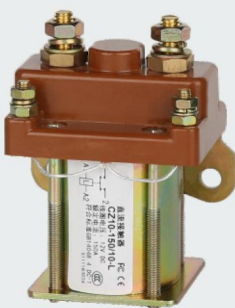
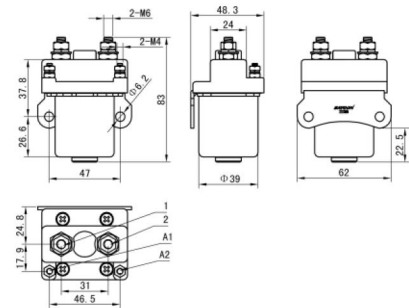
CZ10-80

Contact Form: 1NO
Rated Current: 80A
Coil Power: 5–10W
Mounting Type: M Horizontal (Default)



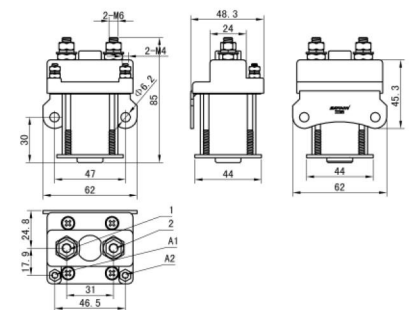
CZ10-150

Contact Form: 1NO
Rated Current: 150A
Coil Power: 8–13W
Mounting Type: M Horizontal (Default),
E Level Embedded, H ArcK Wide
Distance, N Multi-Functional
Vertical, DH Dismount Inclined



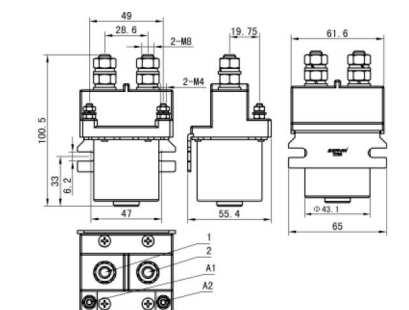
CZ10-150-L

Contact Form: 1NO
Rated Current: 150A
Coil Power: 8–13W
Mounting Type: M Horizontal (Default)



CZ10-250

Contact Form: 1NO
Rated Current: 250A
Coil Power: 10–15W
Mounting Type: M Horizontal (Default),
H Arc, N Multi-Functional Vertical



QCC14-100A-10

Contact Form: 1NO
Rated Current: 100A
Coil Power: 8–13W
Mounting Type: L2 Vertical
Right (Default), L1
Vertical Left, M2
Horizontal Right,
M1 Horizontal Left



QCC14-150A-11

Contact Form: 1NO1NC
Rated Current: 100A
Coil Power: 8–13W
Mounting Type: L2 Vertical
Right (Default), L1
Vertical Left, M2
Horizontal Right,
M1 Horizontal Left

SEV Series

This product for electric vehicles, telecommunication equipment, engineering machinery, car batteries, electric forklift trucks, trains, ships, electronic control systems such as uninterruptible power supply.



Model Implication

SEV	$\square$	$\square$	$\square$	$\square$	L	- $\square$	※	/ $\square$
1	2	3	4	5	6	7	8	9

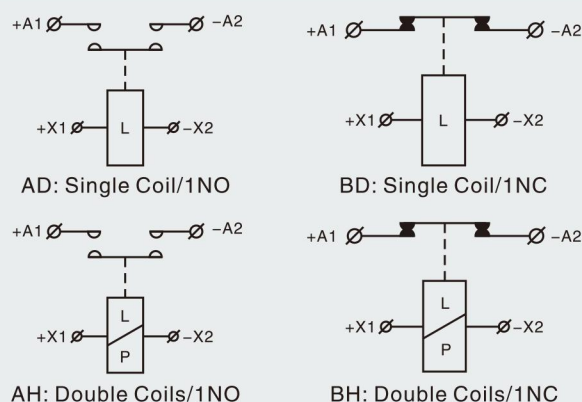
- 1 Product Type
- 2 Rated Current
- 3 Circuit Structure: A-Normally Open; B-Normally Closed; F-Normally Open With One Auxiliary Switch; G-One Normally Closed with One Auxiliary. (For Other Auxiliary Switch Structures, Add '2' or '3' After The Model to Describe The Aux Switch Structure)
- 4 Coil Type: D-Single Coil; H-With Coil Economizer; K-Two Joints Magnetic Retention; 2K-Three joints Magnetic Retention
- 5 Coil Outgoing Mode: X-Wire (390mm); P-Spade Terminals (4.8); W-Thread(M4); O-Other
- 6 Mounting Bracket Type: L-Vertical(Default)
- 7 None-Aux Switch and Main Contact Have The Same Structure (Default); 2-Aux Switch and Main Contacts Opposite; 3-1NO1NC
- 8 Other Special Functions: V-With Capacitive Type Load; N-No Polarity
- 9 Coil Rated Voltage: 12-24V, 36-48V, 60-72V, 9-36V etc.

Technical Parameters

Coil Rated Voltage(DC V)	12V, 24V, 48V, 60V etc.
Contact Voltage(DC V)	5-1000V
Typical Voltage Drop Across Contacts Per 100A	≥80mV
The Cooling Pull-In Voltage at (20±5)°C (V)	≥70%
The Cooling Drop-Out Voltage at (20±5)°C (V)	≥35%, ≤5%
Working Voltage Range of 40°C Coil	0.8-1.2Us
Drop-out Time (n/o contacts to open)	20-50ms
Pull-in Time (n/o contacts to close)	5-20ms
Maximum Bounce Time for Contact Connection	10ms
Maximum Bounce Time for Contact Disconnection	7ms
Insulation Resistance	20MΩ
Electric Strength to Resist	50Hz/60Hz 1000VAC 1min
Temperature Rise of Coil(K)	≤55
Temperature Rise on Outgoing Terminal(K)	≤65
Electrical Life	20,000 Times
Mechanical Life	300,000 Times
Work Specification	Continuous

Note:As regarding to the different using environments of customers which requires different focus of the functions,and in order to improve the comprehensive properties of our products,sayoon may adjust the coil parameters,temperature rise and so on. The above parameters are for reference only. For details, please refer to the guidelines for selection and use of the SAYOON DC contactor.

Wiring Diagram



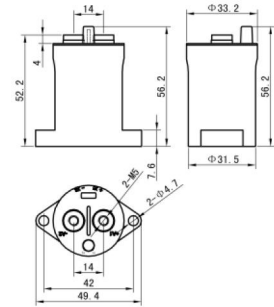
Mechanical Capability & Usage Environment

Ambient Temperature	-25~+70°C
Relative Humidity	+20°C 98%
Vibration freq. at The Fixed Position	3G, 1 ~ 50Hz Amplitude 0.5mm
Concussion	(60-100) Times/Min, Acceleration ≤ 4g
Altitude	2000m
Installation direction	Random
International Protection	IP40 (According IEC60947)



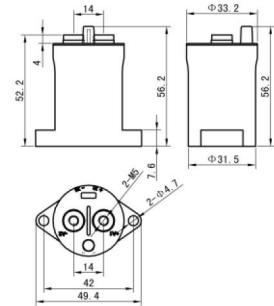
SEV30AD

Contact Form: 1NO; 1NC
Rated Current: 30A
Contact Voltage: 5–1000V
Coil Power: 2–7W
Mounting Type: L Vertical(Default)



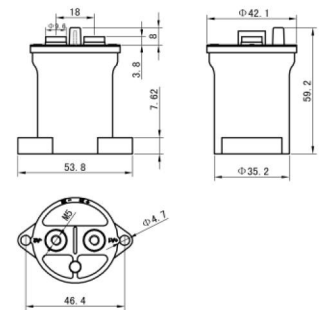
SEV50AD

Contact Form: 1NO; 1NC
Rated Current: 50A
Contact Voltage: 5–1000V
Coil Power: 2–7W
Mounting Type: L Vertical(Default)



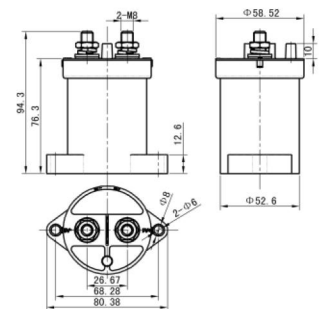
SEV100AD

Contact Form: 1NO; 1NC
Rated Current: 100A
Contact Voltage: 5–1000V
Coil Power: 4–10W
Mounting Type: L Vertical(Default)



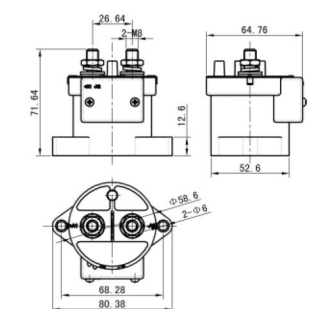
SEV150AD

Contact Form: 1NO; 1NC
Rated Current: 150A
Contact Voltage: 5–1000V
Coil Power: 8–10W
Mounting Type: L Vertical(Default)



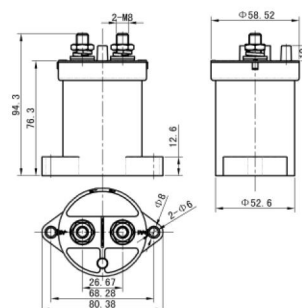
SEV150AH

Contact Form: 1NO; 1NC
Rated Current: 150A
Contact Voltage: 5–1000V
Coil Power: H: Start30–50; Keep1.5–5W
Mounting Type: L Vertical(Default)

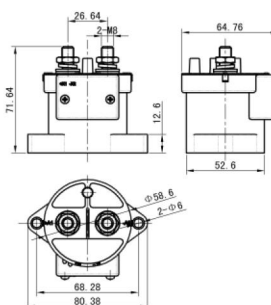


**SEV200AD**

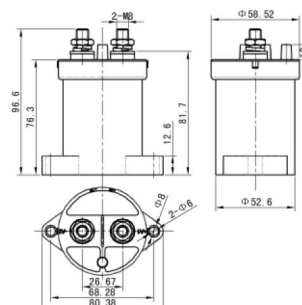
Contact Form: 1NO; 1NC
 Rated Current: 200A
 Contact Voltage: 5–1000V
 Coil Power: 8–20W
 Mounting Type: L Vertical(Default)

**SEV200AH**

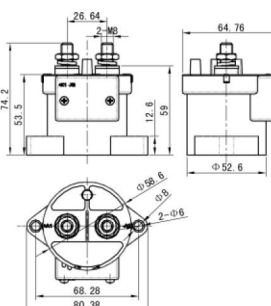
Contact Form: 1NO; 1NC
 Rated Current: 200A
 Contact Voltage: 5–1000V
 Coil Power: H: Start30–50; Keep1.5–5W
 Mounting Type: L Vertical(Default)

**SEV250AD**

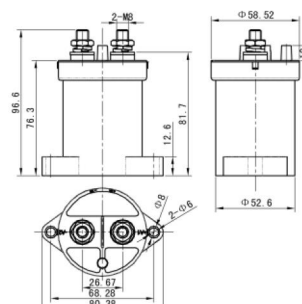
Contact Form: 1NO; 1NC
 Rated Current: 250A
 Contact Voltage: 5–1000V
 Coil Power: 8–20W
 Mounting Type: L Vertical(Default)

**SEV250AH**

Contact Form: 1NO; 1NC
 Rated Current: 250A
 Contact Voltage: 5–1000V
 Coil Power: H: Start30–50; Keep1.5–5W
 Mounting Type: L Vertical(Default)

**SEV300AD**

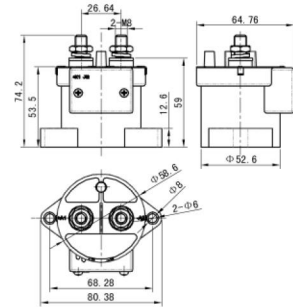
Contact Form: 1NO; 1NC
 Rated Current: 300A
 Contact Voltage: 5–1000V
 Coil Power: 8–20W
 Mounting Type: L Vertical(Default)





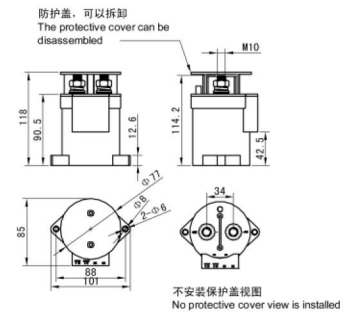
SEV300AH

Contact Form: 1NO; 1NC
Rated Current: 300A
Contact Voltage: 5–1000V
Coil Power: H: Start30–50; Keep1.5–5W
Mounting Type: L Vertical(Default)



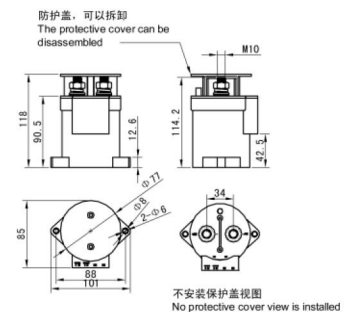
SEV400AH

Contact Form: 1NO; 1NC
Rated Current: 400A
Contact Voltage: 5–1000V
Coil Power: H: Start30–6; Keep4–10
Mounting Type: L Vertical(Default)



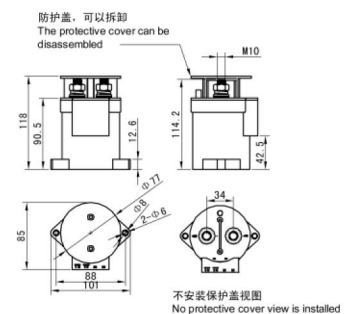
SEV600AH

Contact Form: 1NO; 1NC
Rated Current: 600A
Contact Voltage: 5–1000V
Coil Power: H: Start30–50; Keep1.5–5W
Mounting Type: L Vertical(Default)



SEV800AH

Contact Form: 1NO; 1NC
Rated Current: 800A
Contact Voltage: 5–1000V
Coil Power: H: Start30–50; Keep1.5–5W
Mounting Type: L Vertical(Default)



HEV Series

This product for electric vehicles, telecommunication equipment, engineering machinery, car batteries, electric forklift trucks, trains, ships, electronic control systems such as uninterruptible power supply.



Model Implication

HEV										
1	2	3	4	5	6	7	8	9	10	

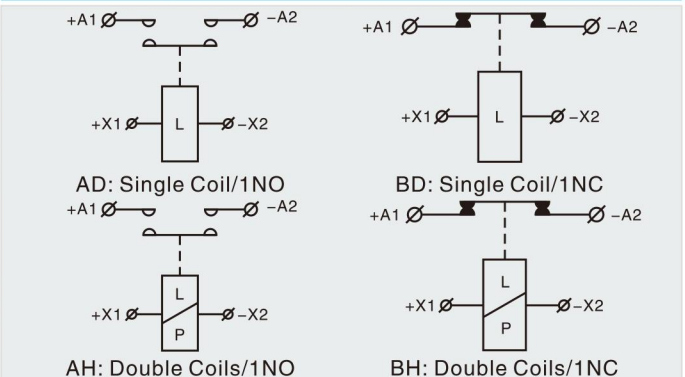
- 1 Product Type: HEV–One Group Circuits; HEVJ–Two Group Circuit
- 2 Rated Current
- 3 Contact Rated Voltage: 1–200V; 7–1000V
- 4 Circuit Structure: A–Normally Open; B–Normally Closed; F_Normally Open With One Auxiliary Switch;G_One Normally Closed With One Auxiliary.(For Other Auxiliary Switch Structures, Add '2' or '3' After The Model to Describe The Aux Switch Structure)
- 5 CoilType: D–Single Coil; H_With Col Economizer; K–Two Joints Magnetic Retention; 2K_Three Joints Magnetic Retention; P_SignalControl; R–Built in Pre Charging Type; Y–External Pre Charging
- 6 Coil Outgoing Mode: X–Wire (390mm); O–Other
- 7 Mounting Bracket Type: L–Vertical(Default), M–Horizontal
- 8 None–Aux Switch and Main Contact Have The Same Structure (Default); 2–Aux Switch and Main Contacts Opposite; 3–1NO1NC
- 9 Other Special Functions: V–With Capacitive Type Load: N–No Polarity
- 10 Coil Rated Voltage: DC6V, 12V, 24V, 36V, 48V, 60V, 72V, 84V, 120V, 150V, DC220V, AC220V etc.

Technical Parameters

Coil Rated Voltage(DC V)	12V, 24V, 48V, 60V etc.
Contact Voltage(DC V)	5–1000V
Typical Voltage Drop Across Contacts Per 100A	≥80mV
The Cooling Pull-In Voltage at (20±5)°C (V)	≥70%
The Cooling Drop-Out Voltage at (20±5)°C (V)	≥35%, ≤5%
Working Voltage Range of 40°C Coil	0.8–1.2Us
Drop-out Time (n/o contacts to open)	20–50ms
Pull-in Time (n/o contacts to close)	5–20ms
Maximum Bounce Time for Contact Connection	10ms
Maximum Bounce Time for Contact Disconnection	7ms
Insulation Resistance	20MΩ
Electric Strength to Resist	50Hz/60Hz 1000VAC 1min
Temperature Rise of Coil(K)	≤55
Temperature Rise on Outgoing Terminal(K)	≤65
Electrical Life	20,000 Times
Mechanical Life	300,000 Times
Work Specification	Continuous

Note:As regarding to the different using environments of customers which requires different focus of the functions,and in order to improve the comprehensive properties of our products,sayoon may adjust the coil parameters,temperature rise and so on. The above parameters are for reference only. For details, please refer to the guidelines for selection and use of the SAYOON DC contactor.

Wiring Diagram



Mechanical Capability & Usage Environment

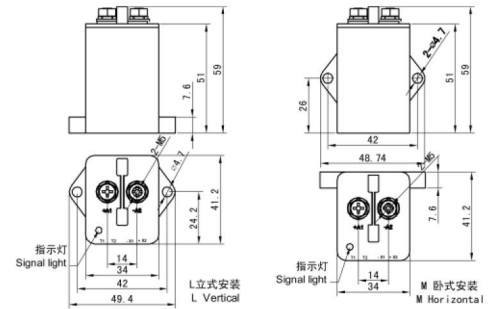
Ambient Temperature	–25~+70°C
Relative Humidity	+20°C 98%
Vibration freq. at The Fixed Position	3G, 1 ~ 50Hz Amplitude 0.5mm
Concussion	(60–100) Times/Min, Acceleration ≤ 4g
Altitude	2000m
Installation direction	Random
International Protection	IP40 (According IEC60947)

HEV Series HV DC Contactor



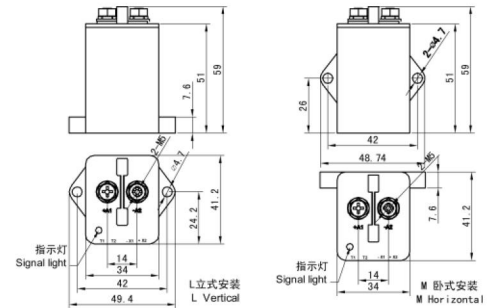
HEV30

Contact Form: 1NO; 1NC
 Rated Current: 30A
 Contact Voltage: $\leq 200V$; $\leq 1000V$
 Coil Power: D: 3-7; H: Start 3-7,
 Keep 0.5-1.5W
 Mounting Type: L Vertical(Default),
 M Horizontal



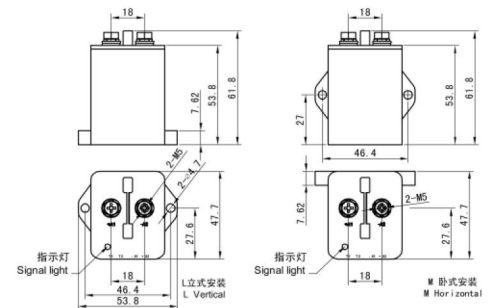
HEV50

Contact Form: 1NO; 1NC
 Rated Current: 50A
 Contact Voltage: $\leq 200V$; $\leq 1000V$
 Coil Power: D: 3-7; H: Start 3-7,
 Keep 0.5-1.5W
 Mounting Type: L Vertical(Default),
 M Horizontal



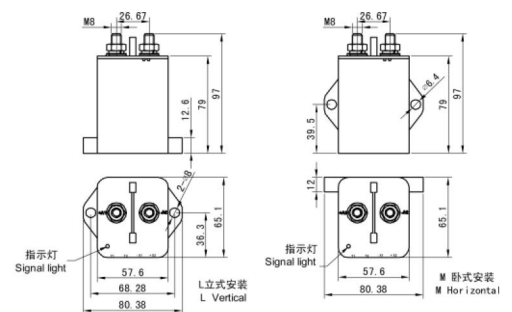
HEV100

Contact Form: 1NO; 1NC
 Rated Current: 100A
 Contact Voltage: $\leq 200V$; $\leq 1000V$
 Coil Power: D: 4-10; H: Start 4-10,
 Keep 0.5-2W
 Mounting Type: L Vertical(Default),
 M Horizontal



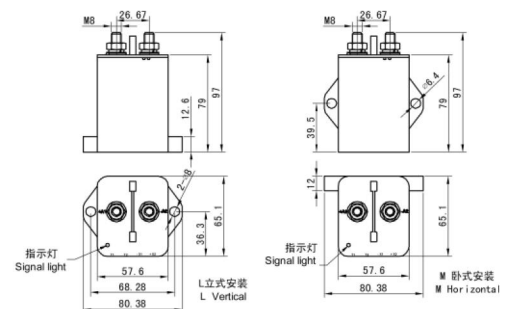
HEV150

Contact Form: 1NO; 1NC
 Rated Current: 150A
 Contact Voltage: $\leq 200V$; $\leq 1000V$
 Coil Power: D: 8-20; H: Start 30-50,
 Keep 1.5-4W
 Mounting Type: L Vertical(Default),
 M Horizontal



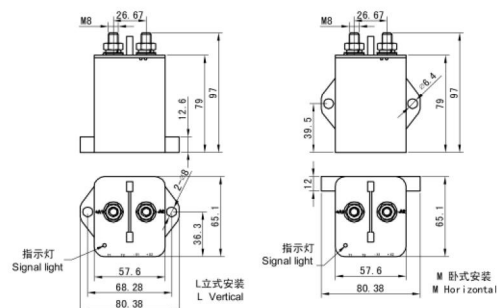
HEV200

Contact Form: 1NO; 1NC
 Rated Current: 200A
 Contact Voltage: $\leq 200V$; $\leq 1000V$
 Coil Power: D: 8-20; H: Start 30-50,
 Keep 1.5-4W
 Mounting Type: L Vertical(Default),
 M Horizontal

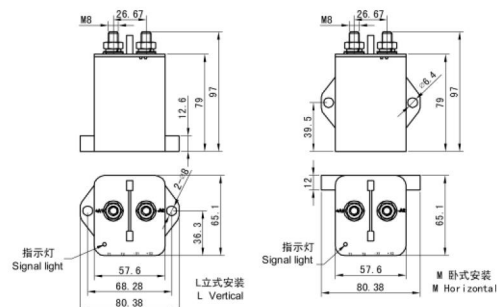


**HEV250**

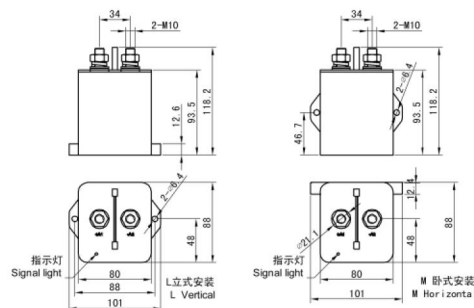
Contact Form: 1NO; 1NC
 Rated Current: 250A
 Contact Voltage: $\leq 200V$; $\leq 1000V$
 Coil Power: D: 8–20; H: Start 30–50,
 Keep 1.5–4W
 Mounting Type: L Vertical(Default),
 M Horizontal

**HEV300**

Contact Form: 1NO; 1NC
 Rated Current: 300A
 Contact Voltage: $\leq 200V$; $\leq 1000V$
 Coil Power: D: 8–20; H: Start 30–50,
 Keep 1.5–4W
 Mounting Type: L Vertical(Default),
 M Horizontal

**HEV400**

Contact Form: 1NO; 1NC
 Rated Current: 400A
 Contact Voltage: $\leq 200V$; $\leq 1000V$
 Coil Power: H: Start 30–60, Keep
 4–10
 Mounting Type: L Vertical(Default),
 M Horizontal

**HEV600**

Contact Form: 1NO; 1NC
 Rated Current: 600A
 Contact Voltage: $\leq 200V$;
 $\leq 1000V$
 Coil Power: H: Start 30–60,
 Keep 4–10
 Mounting Type: L Vertical
 (Default), M Horizontal

**HEV800**

Contact Form: 1NO; 1NC
 Rated Current: 800A
 Contact Voltage: $\leq 200V$;
 $\leq 1000V$
 Coil Power: H: Start 30–60,
 Keep 4–10
 Mounting Type: L Vertical
 (Default), M H

**HEVJ150**

Contact Form: 2NO
 Rated Current: 150A
 Contact Voltage: $\leq 200V$;
 $\leq 1000V$
 Coil Power: D: 8–20; H: Start
 30–50, Keep 1.5–4W
 Mounting Type: L Vertical
 (Default), M Horizontal

**HEVJ300**

Contact Form: 2NO
 Rated Current: 300A
 Contact Voltage: $\leq 200V$;
 $\leq 1000V$
 Coil Power: H: Start 30–60,
 Keep 4–10W
 Mounting Type: L Vertical
 (Default), M Horizontal

DC Contactor



JCC200A

Contact Form: 1NO
Rated Current: 200A
Coil Power: 8–12W
Mounting Type: M Horizontal
(Default)



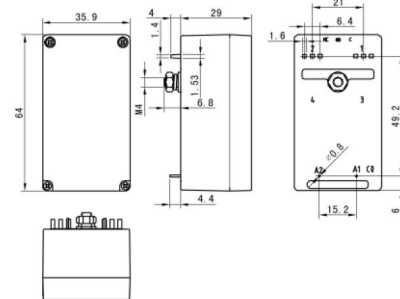
JCC400A

Contact Form: 1NO
Rated Current: 400A
Coil Power: 9–13W
Mounting Type: M Horizontal
(Default)



SU1-80A

Contact Form: 1NO; 1NC; 1NO1NC;
Magnetic Holding
Rated Current: 80A
Coil Power: 5–10W



Emergency Switch



CZK125A



CZK250A-1



CZK250A-2



CZK400A

Accessory



SYJ

Connector
Rated Current: 50A; 175A;
350A
Rated Voltage: 660V



JN

Energy saving device
Must be used in conjunction
and cannot be
purchased separately