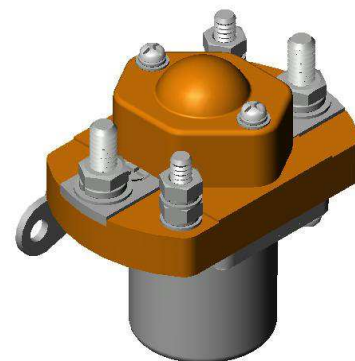


## FEATURES

- 50A Contact Switching Capability
- SPST-NO Contact Arrangement
- Coil Power Dissipation:9W Max.
- Application: For Electric Control System of Communication Power Supply, Engineering Machine, Electromotion Forklift, Motor Car, Train, Watercraft and UPS etc.
- Certificate: CCC UL TUV
- ROHS



## Contactor Data

|                                                           |                                  |
|-----------------------------------------------------------|----------------------------------|
| Mode No.                                                  | ZLJM-50A/□                       |
| Contact Form                                              | 1H (SPST-NO)                     |
| Contact Material                                          | Ag Alloy                         |
| Contact Rating(at Resistive Load)                         | 50A×48VDC (DC-1)                 |
| Contact Voltage Drop                                      | 50A@80mV max                     |
| Insulation Resistance                                     | Min. 100MΩ at 500VDC             |
| Dielectric Strength<br>(Between Insulated Electric Parts) | 1000VAC 50 HZ/60 HZ (1 minute)   |
| Pick up time                                              | Max. 30mSec.                     |
| Drop out time                                             | Max. 30mSec.                     |
| Ambient Temperature                                       | -25℃~+60℃                        |
| Storage Temperature                                       | -40℃~+65℃                        |
| Relative Humidity                                         | +20%~+90% RH                     |
| Shocking of fixed point                                   | (10~200)HZ、Acceleration≤3.5g     |
| Shocking                                                  | (60~100)Ops./min、Acceleration≤4g |
| Mechanical Life Time                                      | 100,000 Operations (no load)     |
| Electrical Life Time                                      | 6,000 Operations (at rated load) |
| Pollution Level                                           | III                              |
| Working Duty                                              | Continuous                       |

## Coil Data

| Mode No. | Coil voltage | Coil Working voltage                  | Pick-up Voltage | Drop-out Voltage | Coil Holding Current |
|----------|--------------|---------------------------------------|-----------------|------------------|----------------------|
| ZLJM-50A | 12           | 0.85U <sub>s</sub> ~1.1U <sub>s</sub> | ≤70%            | ≥5%              | ≤0.9                 |
|          | 24           |                                       |                 |                  | ≤0.5                 |
|          | 30           |                                       |                 |                  | ≤0.4                 |
|          | 36           |                                       |                 |                  | ≤0.3                 |
|          | 48           |                                       |                 |                  | ≤0.25                |
|          | 60           |                                       |                 |                  | ≤0.15                |

# Product Model

ZLJM - 50A / □

Coil voltage (12V、24V、30V、36V、48V、60V)

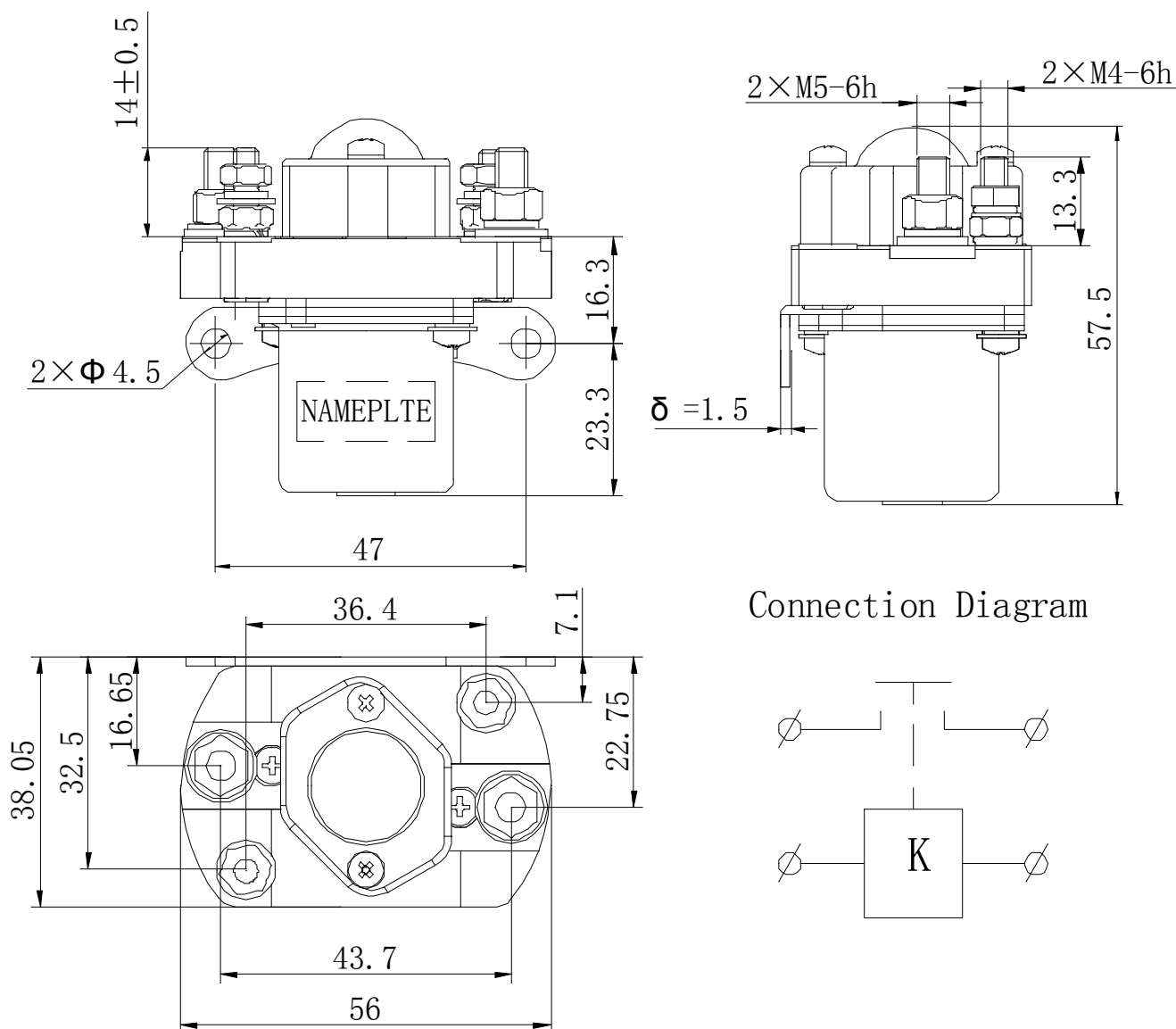
Rated current (Resistance current DC-1 50A×48V)

Product model (Normallyopen DC Contactor)

Example: ZLJM-50A/48; said: NormallyopenDC Contactor, 50A for DC-1 load rated current, coil voltage 48VDC.

# Shape installation and circuit diagram

ZLM-50A/□



| 尺寸 (mm)<br>Dimension (mm) | 未注尺寸公差 (mm)<br>Tolerance grade not noted (mm) |
|---------------------------|-----------------------------------------------|
| 0~30                      | $\pm 0.3$                                     |
| 30~60                     | $\pm 0.5$                                     |
| 60~100                    | $\pm 1$                                       |
| >100                      | $\pm 2$                                       |

#### ■ Remarks

1. While assemble contactor, tighten torque of nut of terminal screw in main circuit is 4~5N.m; tighten torque of nut of terminal screw in control circuit is 1~1.5N.m.
2. Driving circuit power for coil must be no less than coilpower; otherwise, it will reduce cutting capacity of product.
3. Continuous applied voltage should not exceed the maximum permission voltage. Otherwise, abnormal heating of coil will shorten the life of insulating coating.
4. This contactor is non-waterproof, please don't use in water, solvent, oil and other environment that may contact with the shell or terminal. Otherwise, it may cause abnormal heating due to the burn-in of shell or corrosion, dirty of terminal.