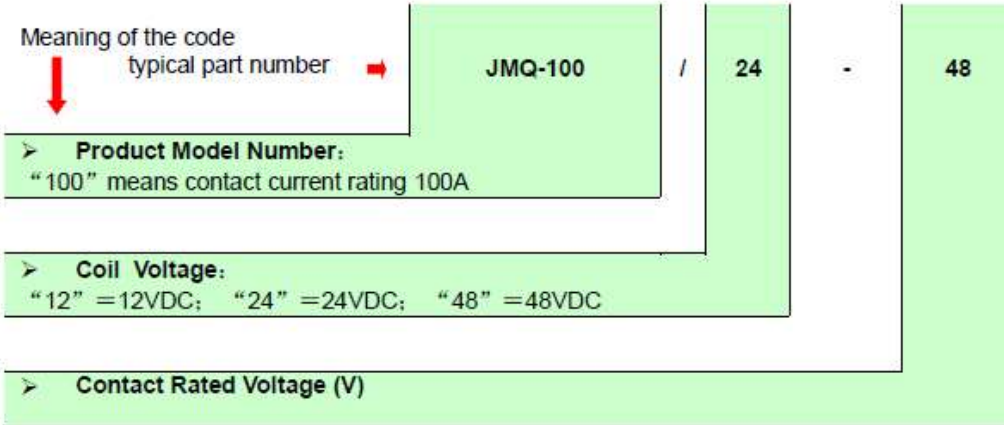


ISTEK-JMQ100 Low Voltage Latching DC Contactor

Part-A: Part Numbering System:



Part-B: Contact Form (Reset Status)

- Main Contact: 1B bridge
- Auxiliary Contact: 1A and 1B bridge

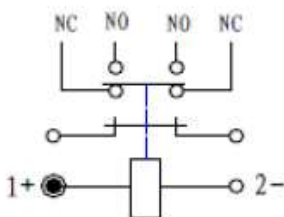
Part-C: Ambient Conditions

- Operating Temperature: -40°C~+70°C
- Relative Humidity: 98% / 40°C
- Low Air Pressure: 2.5KPa
- Vibration: 147m/ s², 5~200Hz
- Shock/strike: 294m/ s²
- Acceleration: 245m/ s²
- Installation Position: free to choose
- Fluctuation of Source Power Voltage: ±20% of the rated voltage
- Suitable working mode: non-stopping mode

Part-D: Technical parameters

- Contact voltage drop (reduction): ≤ 80mV
- Main Contact: Rated Voltage – 48Vdc; Rated Current – 100A
- Auxiliary Contact: Rated Voltage – 24Vdc; Rated Current – 5A
- Electrical Life: 10,000 operations
- Insulation Resistance: Normal Condition ≥ 100MΩ; High Humidity and Post Life ≥ 10MΩ
- Dielectric Strength: Normal Atmosphere Pressure – 1500Vrsm/50Hz; Low Pressure – 350Vrsm/50Hz
- Weight: ≤ 320g

Part-E: Connection Diagram (New product RESET status – normally closed)



Part-F: Coil Specifications

Coil Parameters				
Coil Voltage's Pulse Width	100~300ms			
Coil Rated Voltage (Vdc)	12Vdc	24Vdc	48Vdc	60Vdc
Max. Pull-in (close) Voltage (V) (Cold State $20 \pm 5^\circ\text{C}$)	6.0	12.0	24.0	30.0
Max. Release Voltage (V) ($20 \pm 5^\circ\text{C}$)	6.0	12.0	24.0	30.0
($20 \pm 5^\circ\text{C}$) Max. Coil Current (A) (@ Rated Voltage)	1.35A	0.71A	0.36A	0.29A

Note:

*1: The product meets the National Standards GB14048.4-2003.

*2: Newly delivered product is in SET status

Part-G: Outline Dimensions:

