

ISTEK-C112-400B Contactor- Specifications

● General

This model of contactor has a set of double make contacts (Normally Close) with rated current up to 400A.

● Environment of Operations

Temperature: - 60 ~ 50 °C ; **Relative Humidity:** 98 % at 40 °C ; **Low Pressure:** 2.5kPa
Vibration: 98m/s², 5~200Hz; **Impact:** 98m/s² **Acceleration:** 78.4m/s²

● Main Technical Data

Coil Power Consumption (W): ≤7	Range of Contact Rated Load: 40~400A 0~110Vdc 0~220Vac
Contact Type: 1 Double Make	
Contact Resistance: Initial ≤30 (mΩ) Post Life Test ≤200	
Insulation Resistance (MΩ): Normal Conditions ≥100; High humidity and post life ≥10	Max Switching Load (Resistive): 19200W, 46000VA
Dielectric Strength: Normal Pressure 1500 (Vr.m.s., 50Hz); Low Pressure 350	Contact Life Times - Rated Load: 400A, 48Vd.c., 6×10 ³ times 400A, 115Va.c., 400Hz, 6×10 ³ times 200A, 220Va.c., 50Hz, 6×10 ³ times
Pick-up time (ms): ≤35	
Release time (ms): ≤20	Weight (g): ≤1000

● Coil Parameters

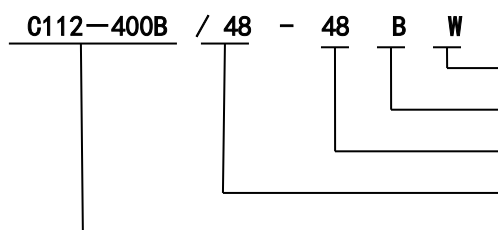
Spec No.	Coil Voltage		25°C					Vdc		
	Rated	Max	Resistance ±10% Ω		Act Voltage max	Keep Voltage max	Release Voltage min	Act max	Keep max	Release min
			Sustain	Start						
048	48	53.0	330.0	25.0	33.6	14.4	4.8	38.4	24.0	2.4

Note: Don't test coil resistance on finished product – example provided for reference only.

● Standards met

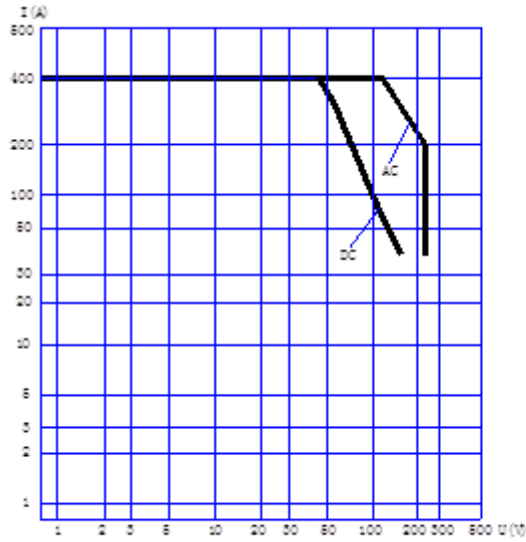
- GB14048.4-2003/IEC60947-4-1:2000 《Low Voltage Switchgear and Control Equipment》
《Electromechanical Contactors and Motor Starters》;
- Company Standard: Q/RJ176—2007; 3. RoHS Compliant

● Product Mark (Example)

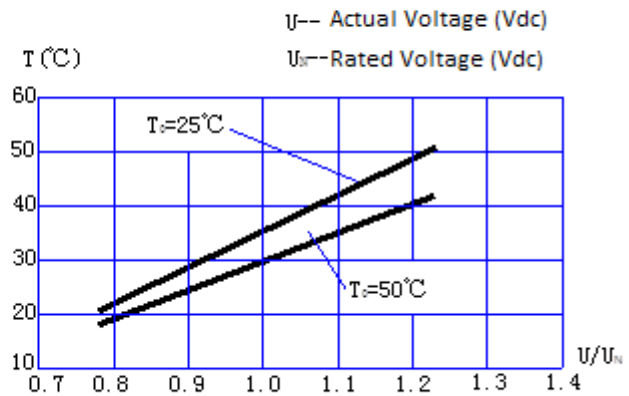


W: Curved Install Plate; Z: Straight Install Plate
D: Single Coil (S: Double Coils)
Contact Voltage (24Vdc;48Vdc;60Vdc;72Vdc...)
Coil Voltage (12Vdc;24Vdc;48Vdc;60Vdc;72Vdc...)
Contactor Model (B-Normal Close; H-Normal Open)

● Contact Load and Coil Temperature Rise Curves



Contact Load (resistive) Curve



Coil Temperature Rise Curve (Ambient T_i)

● Outline Dimension and Installation/Connection Diagram

