

## **Abb Bc25 Contactor 45A 1000V**

The ABB BC25 Contactor 45A 1000V is a high-performance switching device designed for reliable motor and load control in industrial and commercial applications. Engineered to handle demanding electrical environments, this contactor is rated for a maximum insulation voltage of 1000V and supports AC-3 motor control applications up to 600V. With a robust build and a 24V DC control coil, the BC25 ensures dependable performance in control panels, automation systems, and machinery where reliability and safety are paramount.

### **Key Features:**

- Rated for up to 45A and 1000V, ideal for heavy-duty industrial switching
- Supports AC-3 applications with a 600V AC maximum operational voltage
- Equipped with a 24V DC control coil for efficient low-voltage operation
- Compact and durable design suitable for panel mounting
- Compliant with IEC 947-4-1 and EN 60947-4-1 standards for global use

### **Specifications:**


- Model: BC25
- Insulation Voltage ( $U_i$ ): 1000V~
- Thermal Current ( $I_{th}$ ): 45A
- Rated Operational Current ( $I_e$  AC-1): 45A


- Maximum Continuous Current: 33A
- Rated Operational Voltage (Ue): 600V AC Max
- Power Rating: Based on voltage and AC-3 motor application
- Control Voltage: 24V DC
- Standards: IEC 947-4-1, EN 60947-4-1
- Wire Range: AWG 10-14 Cu Str, 75°C
- Terminal Torque: 12 lb.in (1.7 Nm)
- Interrupt Rating: 5kA RMS at 600V
- Part Number: CTC0980037R1
- Country of Origin: France
- Weight: 670 g

With its rugged construction and adherence to international standards, the ABB BC25 Contactor offers reliable performance in motor starters, HVAC systems, and automated machinery. Designed by a global leader in electrical engineering, this contactor provides peace of mind through safe operation, long service life, and seamless integration into modern industrial control systems.

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