BTB ELECTRIC

INSTRUCTIONS FOR USING

Safety Breaker



MS50 Series

Safety Breaker manufactured according to IEC60898-1 standard

⚠ Be sure to read the manual and follow all safety precautions before using the product.

⚠ This manual should be given to the person who will actually use the product and be responsible for its maintenance.

1. Key Features

- Rated Voltage: 240V
- Rated Current: 10, 15, 20, 32, 40, 50A
- Breaking Capacity: 1.5kA
- Safety Breaker provides overload and short-circuit protection according to the characteristic curves listed below
- Applications: Residential, commercial, industrial

2. Installation

1. Preparation:
   - Ensure power supply is disconnected before installation.
   - Verify the Safety Breaker rating matches the circuit requirements.
2. Mounting:
   - Safety Breaker is secured on a flat surface using screws.
   - Ensure it is securely fixed and aligned.
3. Wiring:
   - Connect the incoming (supply) wires to the top terminals.
   - Connect the outgoing (load) wires to the bottom terminals.
   - Tighten the screws to ensure proper electrical contact.

3. Operation

1. Switching On:
   - Push the toggle lever to the "ON" position to power the circuit.
2. Switching Off:
   - Push the toggle lever to the "OFF" position to isolate the circuit.
3. Tripping:
   - The device will automatically trip in case of overload or short-circuit conditions.
   - Inspect and resolve the fault before resetting the device.

4. Safety Guidelines

- Always ensure the circuit is de-energized before working on the Safety Breaker.
- Use an MCB within its specified voltage and current limits.
- Avoid exposure to moisture, dust, or corrosive environments.

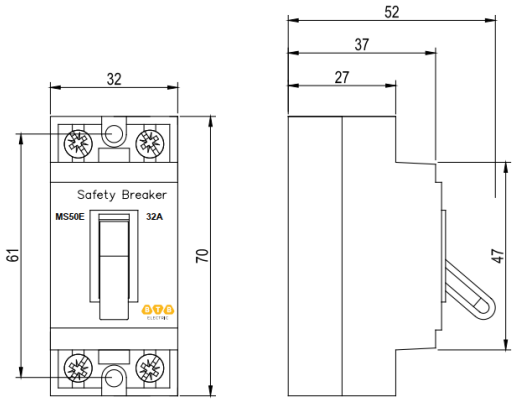
5. Troubleshooting

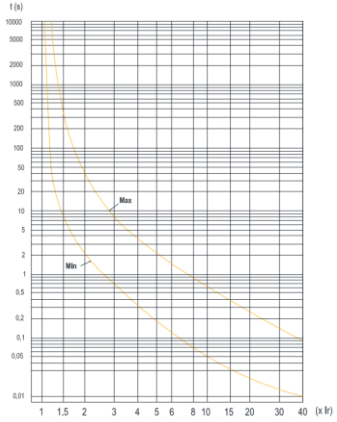
Issue	Possible Cause	Solution
Device does not power on	Loose or incorrect wiring	Check and tighten connections
Frequent tripping	Overload or short circuit	Reduce the load, inspect the circuit
Lever stuck	Internal damage	Replace the device

6. Maintenance

- Periodically inspect for signs of wear, overheating, or damage.
- Test the trip mechanism by pressing the test button (if available).

7. Dimensions and tripping characteristic curves





Designed by NEXUS BTB ELEKTRİK ÜRETİM TİCARET ANONİM ŞİRKETİ
Add: Ortaköy Mah. Ambarlıdere Yolu Sk. Lotus Vorld No. 6 İç Kapı No: 5 Beşiktaş / İstanbul, Türkiye
E-mail: sales@btb-electric.com | Tel: +90 212 401 6903
Web: btb-electric.com

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