

TYPE MBS 25



MBS 25 with UV Trip

TYPE MBS 25 APPLICATION DATA

Manual Disconnect with Short Circuit Trip

MBS 25 A Manual Disconnect and Starter, Type MBS, can fulfill the function of a Breaker/Disconnect in a combination starter. In such applications, instantaneous short circuit trip is usually desired. Type MBS standard instantaneous short circuit trip has higher interruption capability. Combination units with MBS 25 were tested to IC5,000 A Amp 600V.

TYPE MBS 25 APPLICATION FEATURES

- Used as a manual motor starter, with the high short-circuit fault breaking capacity of a circuit breaker, in accordance with VDE 0600, IEC 292, and IEC 157-1.
- Single phase sensitivity and ambient temperature compensated thermal overload trip. (NEMA Class 10)
- Main switch and emergency disconnect switch properties (Emergency stop with mushroom head activator optional).
- Switch position indication with positive separation.
- Current limiter, type ID 50 option, add-on accessory. The rated breaking capacity with this combination, increases to 50 kA, 3 phase, 380 V.

Cost Effectiveness

- Economical and space saving, in a compact design with small dimensions (1^{3/4}" wide).
- Standardized cover sized for use in distribution applications for world wide use.

Safety

- High operational safety factor. Compliance to VDE 0160 T 100, finger touch safety, and general safety standards of handling.

Quality

- Reliable AEG standards of quality. Proven in the most difficult application conditions. Standard quality check includes 100% cycle test and heater calibration check.

Flexibility

- Modular field assembly systems with plug-on auxiliary contacts.
- Designed to include field plug-on shunt or undervoltage trip within the switch unit frame.

Mounting

- Panel mount or DIN rail mount standard.
- Terminals are in the vertical plane, readily accessible from the front for easy wiring. Designed for the power screwdriver application and finger touch safety.



MBS 25-S4 Enclosure

Dual Application Description UL Listed

Type MBS Circuit Protectors have two protective elements, one to provide magnetic instantaneous trip and the other to provide inverse time thermal trip. Because of this dual instantaneous and thermal trip, Type MBS Protectors have been successfully applied in protective circuits in thousands of applications throughout the world.

CONTINUOUS CURRENT RATINGS

Type MBS 25 to 25 Amp

Thermal Trip for Motor Protection

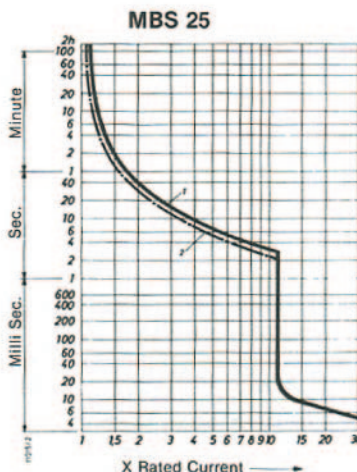
A Thermal Trip for motor protection is also included with each Type MBS. In a combination starter application, then, a duplicate overload is not necessary. (See Trip Curve B).

To apply, select the proper Type MBS to match the motor horse power, and set dial at exact motor full load current. Each Type MBS includes a three pole direct heated bimetallic overload which covers a wide range and is equivalent to many old style separate heaters. A key advantage is the ability to set at exact motor full load current and thereby provide more precision motor protection.

Mounting

Type MBS can be panel mounted or rail mounted (MBS 25). For external operation, cutouts can be made in panel doors. Additionally, through the door operating handles with door interlocks are available on certain units.

Type MBS 25 UL Listed/CSA.



Typical MBS Trip Curve B



MBS 25-S4F Flush Plate