

model: 1&3 phase motor-GTBD1350

Instrument and Lighting 1 phase & 3 phase Motor Trainer

1. Features

- 1) The industrial control cabinet is manufactured to connect the actual load.
- 2) All electrical connection device modules used in the control cabinet are manufactured for disassembly and assembly.
- 3) it is designed as per relevant international codes and standard to ensure safety and prevent disaster.
- 4) The schematic, functional diagram, wiring diagram, and device arrangement diagram shall be manufactured with the approval of the customer prior to the production.
- 5) the structure of control cabinet resemble actual cabinet found in industry.
- 6) Students can practice installing DIN rail, PVC channel and other electrical components.

2. System configuration



3. Spec

1) Main Unit

(1) display

- Voltage part: Voltage changeover switch, line voltage
- Current part: current changeover switch, phase current
- Power part: analog
- Power Factor: Analog
- Status indicators: 4 locations (2 red, 2 green)

(2) Control unit

- Input switch: Start / Stop
- Switch: PNL1, PNL2

2) Operation Unit

- (1) Main Circuit Breaker: 50A, 4pole (A, B, C, N)
- (2) Circuit Protection Circuit Breaker: 30A, 4pole (A, B, C, N)
- (3) Circuit Protection Circuit Breaker: 30A, 3pole (A, B, C)
- (4) Circuit Breaker for Rear Circuit Protection: 15A, 2pole (A, N)
- (5) Circuit Protection Circuit Breaker: 15A, 2pole (B, N)
- (6) Circuit Protection Circuit Breaker: 15A, 2pole (C, N)
- (7) Circular sensor for current measurement: 50 A / 5 A
- (8) Circuit contactor for driving motor: Electronic contactor
- (9) Auxiliary circuit contactor for driving motor: 3pole
- (10) Motor overcurrent contactor: 2CT
- (11) Terminal block for input / output control: 20P or more
- (12) Power Connection Bus: 4pole (A, B, C, N)
- (13) Duct Tray: Wire Drawing
- (14) Power Connection Bus Safety Cover: Clear Acrylic material
- (15) Enclosure: steel case, removable wheels
- (16) Main Power Source: Three Phase AC380V, 50 / 60Hz
- (17) Enclosure size: 800 (W) x 600 (D) x 1700 (H) mm or more
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