

2. Industrial control and machine safety

Motor starting panel

Training objectives

- Finding out about the electrical diagrams of the motor starting systems (star, delta, inverter).
- Implementing a machine with an asynchronous motor.
- Studying the contactors and the motor protection devices.
- Choosing the type of motor starting on the basis of various criteria.

Presentation

This panel is designed to wire the various types of motor starting systems. It has a transparent cover that enables viewing of each component. The wiring is carried out using safety leads.

Description

Contents	
Description	Quantity
Fuse holder isolating switch	1
Magnetic circuit breaker	1
Magneto-thermal circuit breaker	1
Contactors including 1 with auxiliary block	3
Inverter contactor,	1
Thermal relay	1
24 V AC power supply module	1
Pushbuttons	3
Safety master switch	1
Power lead	1

References

Description	Reference No.
A2E motor starting panel without leads	AET-P01-MSP
Set of leads for A2E motor starting panel	AET-P01-MSP
0.18 kW - 230/400 V three-phase asynchronous motor	MD1AMP001



A2E Motor Starting Panel



Teaching motor

Decision aid

Sectors concerned

- Electrical
- Energy

Designated skills

- Analysis
- Configuring
- Studying

Themes studied

- Energy from renewable sources
- Energy management
- Measuring
- Energy storage