

MODEL FOR ELECTRICAL AUTHORIZATION IN AN INDUSTRIAL ENVIRONMENT

This model allows the application of knowledge, rules and methods with a view to certification for electrical risk authorization (B0 / BS / BE) in an INDUSTRIAL-type environment.  
Compact, to be placed on a table, this model represents a motor starter cabinet and is available in two versions (direct start / star-delta start).  
The general protection by circuit breaker and the very low voltage service voltage (24Vac or 42Vac depending on the version) make the use of the model completely safe.

ref. HABILIT-MOT1 Direct motor start version

ref. HABILIT-MOT2 Star-delta motor start version



EDUCATIONAL OBJECTIVES

- Apply knowledge, rules and methods for electrical risk certification
- Carry out practical work, wiring tasks related to electrical certification
- Perform maintenance and upkeep operations in an industrial cabinet
- Carry out consignment operations for electrical equipment
- Carry out measurement readings
- Read a direct start diagram (HABILIT-MOT1)
- Read a star-delta start diagram (HABILIT-MOT2)

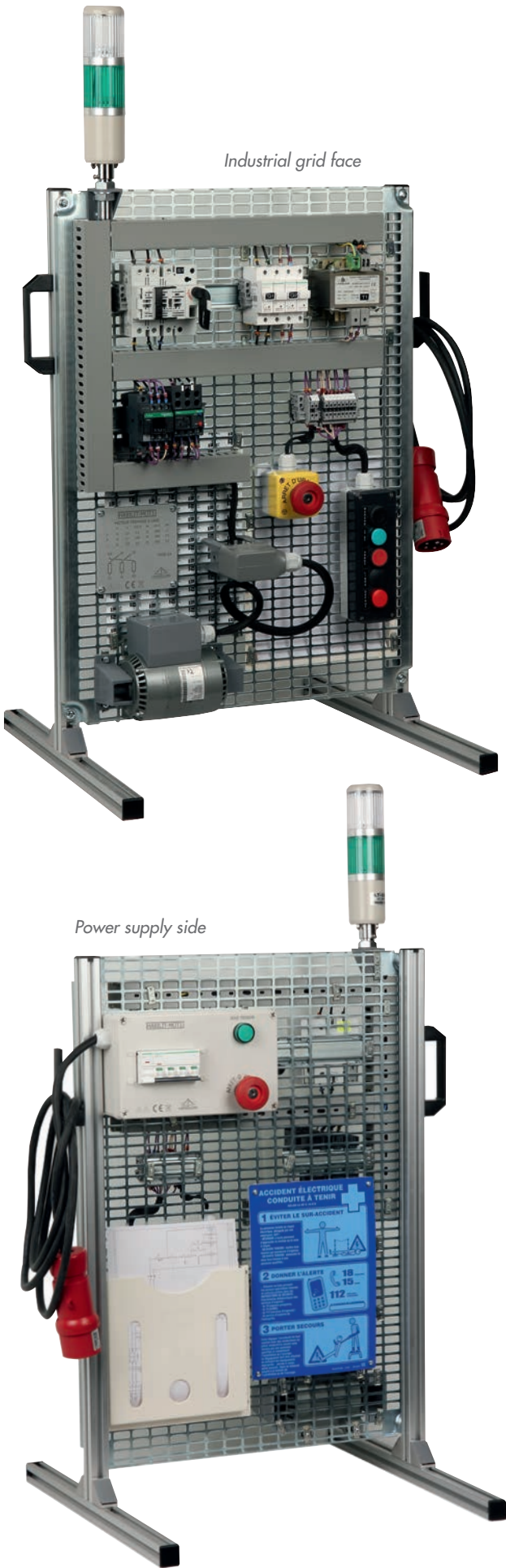
PEDAGOGICAL FILE STUDENT + TEACHER

Practical work provided

- Reminder on the electrical authorization
- Identification of the components of an electrical diagram
- Replacement of a fuse
- Securing for maintenance on a motor
- Consignment of a fuse holder disconnecter
- Consignment of fuse holders
- Drafting of consignment and authorization documents
- Verification of the proper use of E.P.I.
- Realization of voltage / current measurements
- Replacement of an accessory

Features

- Power supply 3x400VAC + N + E Socket P17
- 630 x 400 x h 820mm (h 1070 with the light column installed)
- Weight: 30kg



Industrial grid face

Equipped with the main elements of an industrial motor wiring cabinet.  
This side is supplied with Very Low Voltage.  
The motor terminal box is accessible.

Composition facing industrial grid	HABILIT-MOT1	HABILIT-MOT2
Fuse holder disconnecter	1	1
Bipolar fuse holder	2	1
42/24V transformer	1	/
Power contactor	1	3
Delayed auxiliary contact block	/	1
Thermal relay	1	1
Emergency stop	1	1
Control box :	1	1
- On button	1	1
- Stop button	1	1
- Thermal relay indicator	1	1
- Motor running light	1	1
- Delta coupling motor running light	0	1
ELV motor		
Engine technical information and other features are screen printed on one PVC side	1	1
Quick motor connection socket	1	1
Industrial connection terminal for push button	1	1

Power supply side

On P17 type socket. Protected by circuit breaker and emergency stop.  
This face includes:

- 1 power cable via a three-phase P17 type socket
- 1 transformer 400V/42V (HABILIT-MOT1) or 400/24V (HABILIT-MOT2)
- 1 protection residual current circuit breaker
- 1 undervoltage coil
- 1 voltage presence indicator
- 1 emergency stop
- 1 document holder
- 1 explanatory panel "Electrical accident what to do"
- 1 light column with 2 indicator lights (front panel powered up and motor running)

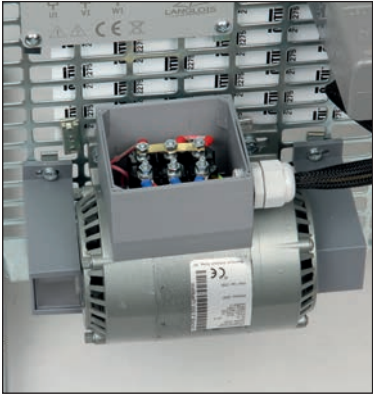
The 400V active parts are protected in an airtight box and therefore not accessible by the learner.

SUPPLIED ACCESSORIES

- 2 padlocks with different keys
- 2 fuse door locks lockable by padlock.



Wire and Component Tracing



Accessible secure terminal box