CABINET FOR ELECTRICAL AUTHORIZATION

The educational content is based on the rules enacted by the French standard on the prevention of electrical risk.

The service voltage of 24VDC, protected by circuit-breakers, makes use of the cabinet completely safe.

The integrated load, comprised of six 60W lamps, enables a sufficiently significant current to be generated. The cabinet is self-contained and requires no connection to the mains 230V when in use.

A mains cable is nevertheless included for recharging the batteries using an integral charger.

ref. HABILIT25

Features

- 3-metre mains lead for battery charger
- Dimensions: 610 x 780 x h 1800mm - Weight: 115kg

Comprises

- 1 main source and one secondary source 24VDC distributed on 2 sets of flat copper busbars, 100A
- 2 disconnectors with visible cutting, for padlocking
- 2 special circuit-breakers DC
- 1 set of protection devices by DC and RC circuit-breakers 10A-10mA, IS type
- 4 gel batteries 12V/14Ah
- 3 dual switches
- 6 bulkhead lights 24VDC
- 1 battery charger 230VAC/24VDC
- 1 panel of safety instructions for electrical authorization
- 1 2-colour light column indicating 24VDC 'on' and battery recharging
- 1 lot of 2 posts + 5m of red and white chain
- 1 insulating mat
- 1 insulating blanket
- 2 removal-from-service padlocks

EDUCATIONAL OBJECTIVES

- ***Put into application the knowledge, rules and methods for certification for authorization to electrical hazards***
- ***Carry out practical assignments, wiring tasks relevant to electrical authorization***
- ***Perform maintenance and cleaning operations in an industrial cabinet***
- ***Perform removal from service operations of electrical equipment***
- ***Take measurements using a clamp ammeter***

TEACHING RESOURCES STUDENT & TEACHER

Practical works

- Reminder on electrical authorization
- Changing sets of copper busbars
- Removing the cabinet from service
- Complete the removal from service and authorization documents
- Check correct use of PPE (Parsonal Protective Equipment)
- Reading the current in the electrical cabinet using a clamp ammeter