PSLHB

MODULAR POWER SYSTEM HUB

Allows easy connection of two or more modules of TecQuipment's Modular Power System.

KEY FEATURES

- Allows easy connection of power and test circuits between each of the Modular Power System units
- Gives more options to arrange the modules in the laboratory, for better use of space
- Removes the need for students to use long leads to link test circuits between modules
- Links the emergency stop switches of each of the Modular Power System units for improved laboratory safety
- Needs only one electrical supply cable for the whole Modular Power System
- Includes multicore cables for simple and tidy arrangement
- Makes installation easy
- Full range of safety features incorporated throughout

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TECQUIPMENT

PSLHB

MODULAR POWER SYSTEM HUB

DESCRIPTION

This unit is the 'hub' of the Modular Power System. It is needed to connect two or more of the modules together.

When connected to a suitable mains supply, the hub provides power for each part of the Modular Power System. It also links the electrical test circuits so students do not need to use long test leads between modules.

The hub links the emergency stop buttons of each connected module to give better safety in the laboratory. The user can select from a choice of two emergency stop settings:

- One setting stops the power to only the affected module of the Modular Power System, leaving the others still powered.
- The other setting stops the power to all modules of the Modular Power System.

The emergency stop setting switch is a keyswitch to prevent unauthorised use.

STANDARD FEATURES

- Supplied with comprehensive user guide
- Two-year warranty
- Manufactured in accordance with the latest European Union directives

ANCILLARY FOR

Units from the Power Systems Laboratory (PSL) range, which include:

- Salient Pole Generator (PSL10)
- Transformer Trainer (PSL20)
- Transmission Line Simulator (PSL30)
- Distribution Trainer (PSL40)
- The Switched Busbar Module (PSLSB)

CONNECTION CABLES:

One cable is required for each of the Power Systems Laboratory (PSL) modules, as shown in the 'Modular System Laboratory' diagram.

- Short cable (PSLSC) – one needed for a full system
- Medium cable (PSLMC) – two needed for a full system
- Long cable (PSLLC) – two needed for a full system

These are standard items to suit a normal installation. However, TecQuipment can make them in lengths to suit your needs.

ESSENTIAL SERVICES

ELECTRICAL SUPPLY:

380/415 V three-phase and neutral, rated at 32 A per phase

FLOOR SPACE NEEDED:

Approximately 1 m x 1 m

OPERATING CONDITIONS

OPERATING ENVIRONMENT:

Laboratory environment

STORAGE TEMPERATURE RANGE:

–25°C to +55°C (when packed for transport)

OPERATING TEMPERATURE RANGE:

+5°C to +40°C

OPERATING RELATIVE HUMIDITY RANGE:

80% at temperatures < 31°C decreasing linearly to 50% at 40°C

SOUND LEVELS

Less than 70 db(A)

SPECIFICATIONS

DIMENSIONS:

- Width 650 mm x depth 550 mm x height 620 mm
- Packed 1 m^3

WEIGHT:

- Nett 50 kg
- Packed 80 kg

MODULE SUPPLY PROTECTION:

- One miniature circuit breaker for each Power System Module