PowerPoint

12 Circuit 10Amp Power Distribution Unit

Engineer and Consultant Specifications V0.90

General Description

The PowerPoint Power Distribution Unit (the Product) shall be a 3-phase input to 12 single-phase 10Amp output circuits, designed for rack-mounting or portable use.

Each output circuit must be protected by approved Residual Current Breaker with Over current protection (RCBO) to conform to AS/NZS4249 mandatory Residual Current Device (RCD) protection on portable devices. Units without approved RCBOs per output circuit will not be accepted.

Output load connectors are to be rear mounted and all RCBOs, Mains Isolator and Indicators are to be front panel mounted.

Power Requirements

The Product shall be designed to operate from a nominal 230V AC 3-phase plus Neutral and earth power supply, with a nominal frequency of 50Hz. The Product must be able to operate without loss in performance, between 190-260V AC and a frequency range between 45-65Hz.

Standard Features

- Mains power input protected by 80A 3-phase master isolator switch with neutral disconnect
- Front panel mounted neon power indicator per phase
- Each output circuit protected by a single-phase 10Amp “C” curve Type A 30mA RCBO.
- Max current draw per output circuit is 10Amp continuous
- Max current draw per phase is 40Amp continuous
- Integral front panel brackets for mounting into standard 19” equipment rack systems and portable frames.
- Optional rear panel brackets to fix rear of unit within portable 19” frames

Construction

The Product shall be designed for use with 19" racking systems, flight cases and open portable frames.

The chassis must be constructed from zinc-coated steel and finished in durable powder-coat paint. Overall dimensions must not exceed 483mm wide by 132mm high by 300mm deep and 11kg in weight.

Two front panel mounted handles must be provided to allow for carrying the Product or withdrawing the Product from 19” racks and also to provide extra protection to the RCBOs and Master isolator.

The front panel shall contain the phase indicators and allow access to the Master Isolator and circuit RCBOs.

Insert appropriate rear connector option from the list below:

The rear panel shall house the twelve 3-pin Australian 10A output load connectors and a 1.2m long H07 five core 6mm² input power rubber cable and 40A 5-pin 3-phase plug connector.

The Product shall be a PowerPoint PDU from LSC Control Systems, model number PWP12/10A.

The rear panel shall house the output load and the input power cage-clamp style screw terminals.

The Product shall be a PowerPoint PDU from LSC Control Systems, model number PWP12/10T.

The rear panel shall house the twelve powerCON output load connectors and a 1.2m long H07 five core 6mm² input power rubber cable and 40A 5-pin 3-phase plug connector.

The Product shall be a PowerPoint PDU from LSC Control Systems, model number PWP12/10P.

The rear panel shall house the two 16-pole Wieland (or similar) output load connectors and a 1.2m long H07 five core 6mm² input power rubber cable and 40A 5-pin 3-phase plug connector.

The Product shall be a PowerPoint PDU from LSC Control Systems, model number PWP12/10W.

The rear panel shall house the two 19-pin Socapex (or similar) output load connectors and a 1.2m long H07 five core 6mm² input power rubber cable and 40A 5-pin 3-phase plug connector.

The Product shall be a PowerPoint PDU from LSC Control Systems, model number PWP12/10X.