

Technical Data Sheet

EMO POWER DISTRIBUTION FLOOR/TRUSS BOX

42-621 E621 POWER DISTRIBUTION FLOOR/TRUSS BOX

42-622 E622 POWER DISTRIBUTION FLOOR/TRUSS BOX

WARNING: THIS EQUIPMENT MUST BE EARTHED. TO AVOID ELECTRICAL SHOCK, DO NOT OPEN CASE. TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE UNIT TO RAIN OR MOISTURE.

To ensure safe operation of this unit and equipment connected to it read the following and take the appropriate action.

DESCRIPTION

A non-rack mounted solution for on-stage use to power either musician backline, truss or fly bar mounted in theatre or touring applications. All models are housed in a robust steel enclosure with an integrated carrying handle that also acts to prevent accidental tripping and damage to the circuit breakers.

CONNECTIONS

The mains input supply is via a Powercon 20A connector, fitted to one side of the unit. It should be connected to an earthed single phase supply of nominally 220-240Vac. A protective device should be fitted at the supply source to ensure that the panel is adequately protected against overcurrent. It is recommended that the supply source should have earth leakage protection. When routing the supply cord care should be taken to minimise the possibility of mechanical damage, sources of heat should be avoided. The supply cord should not be 'coiled'.

On the opposite side, there is a Powercon 20A loop-out connector to feed other panels, allowing for units to be daisy-chained. The top panel houses six 3-pin 13 amp BS1363-2 sockets.

LED INDICATOR

An LED indicator, when illuminated, shows the presence of mains power.

PROTECTION

E621 One 15A Thermal Magnetic Circuit Breaker is fitted - protection for the 13A sockets. The breaker will trip on overcurrent

E622 One 16 Amp RCBO is fitted giving both overcurrent and earth leakage protection.

The breaker will trip on overcurrent or if there is an earth leakage issue with a connected load.

Should a fault occur and the circuit breaker trips then remove the excess load and reset the breaker by pushing it. In the event of a circuit breaker tripping, the pass through of power to the next unit is not affected.

Each outlet should not be overloaded; output current should be restricted to their rated maximum, ie Powercon outlet to 20 Amp and 3-pin 13 amp BS1363-2 sockets to 13A. The total panel load (including any 'linked' panels) should not exceed the input connector rating and panel maximum rating of 20 Amps.

EARTHING/MAINTENANCE

Main panel earthing should be supplied via the panel input connector. Earth bonding and insulation resistance should be checked at appropriate intervals. These should be determined taking into account installation circumstances, projected usage and environmental conditions.

The supply must be isolated before any maintenance is attempted. The unit must not be disassembled with the supply connected. The power LED, if illuminated, indicates that power is available. It should NOT be used to indicate supply isolation. Even with no illumination hazardous voltages may still be present.

Any equipment connected to this unit requiring isolation should be disconnected by removing the appropriate plug.

INSTALLATION

On a side panel there is an M10 mounting point for mounting clamps.

ACCESSORIES

Mating Powercon connectors:

Input cable 42-021 Neutrik NAC3FCA
Output cable 42-022 Neutrik NAC3FCB

Dust Covers for Powercon panel connectors:

For NAC3MPA-1 input connector 43-066
For NAC3MPB-1 output connector 43-066

Read-made leads:

Powercon: <https://www.canford.co.uk/AC-MAINS-POWER-LEADS-Powercon-20-Amp>

TECHNICAL SPECIFICATION

Dimensions:	Housing only:	224mm (w) x 204 mm (d) x 82mm (h)
	Over handle:	224mm (w) x 254 mm (d) x 82mm (h)
Weight:		2.4Kg