

Data Sheet for MSE562

The MSE562 is a power supply unit designed for Eurorack mounting. It has three unregulated DC outputs (+70V, +35V & +24V) and one regulated DC output (+5V)

The +24V and +5V outputs are typically used as the LOGIC rail for powering control electronics. The +70V or +35V outputs are typically used as the MOTOR rail for supplying drive to motors etc.

Height: _____ 3U

Width: _____ 28HP (143mm)

Depth: _____ 220mm

Weight: _____ 3.5Kg

Connector: _____ DIN41612 type D connector (32 way a & c)

Mains Input: _____ 115V/230V 50/60Hz

Outputs

+5V _____ 5V ± 0.25V

1.5A Maximum

100mV ripple maximum

+24V nominal _____ 22V at full load

1A maximum

2.5V ripple maximum

+35V _____ 32V at full load

3A maximum

4V ripple maximum

+70V _____ 67V at full load

2A maximum

14V ripple maximum

Connections

Mains Supply 115V.AC primary one 30 a & c

0V.AC primary one 28 a & c

115V.AC primary two 26 a & c

0V.AC primary two 24 a & c

Earth 2, 22, 32 a & c **THIS UNIT MUST BE EARTHED!**

Output +5V 4 a & c

0V 6 a & c

Output +24V 8 a & c

0V 10 a & c

Output +70V 20 a & c

+35V 16 a & c

0V 12 a & c

CAUTION: LIVE

The mains input voltage is configured by wiring to the appropriate mains connections.

None of the 0V connections or mains earth are linked internally.

Fuses

Three fuses are located on the PCB, near to the connector, behind the cover.

No attempt should be made to inspect or replace these fuses until the mains power has been safely disconnected.

Fuse	Supply Rail	Rating
F1	+70V	5A(T) anti-surge
F2	+35V	5A(T) anti-surge
F3	+24V	2A(T) anti-surge

We recommend the use of the MSB633 motherboard to facilitate connection