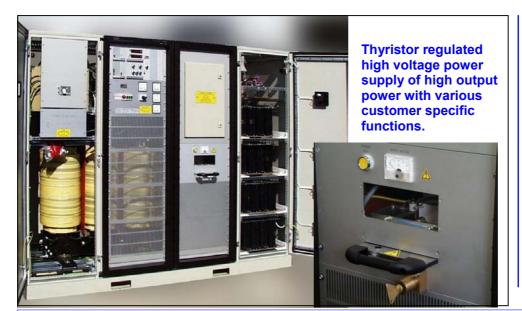
High Voltage/ High Power Power Supply HYN 200000M-20000

Type:





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Low and High Voltage **Power Supplies**

DIN EN ISO 9001

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Special features

- Output pole isolated with 50 kV against earth;
- Coarse and fine adjustment of output voltage with two ten-turn-potentiometers;
- Indication of output voltage by an additional mains-independent measuring instrument;
- Signalisation when output voltage >5kV;
- Computer interface for power supply control and for supervision of mains input;
- Adjustable overvoltage and overcurrent trip;
- Adjustable rapid discharge of the output at short circuit ("crowbar") with counter (4 µs reaction time);
- Safety- earth-switch of the output;
- Special safety locks force safe operation by the customer:
- Integrated test device for the rapid discharge circuitry: A 0.5 m long copper wire with 0.4 mm diameter shall not blow at short circuit.

Technical data

0 - 20.000 V Output voltage: Output current: 0 - 10 A (20A peak)

Residual ripple: <0,1%p-p

400 V ±10%, 3phase, 47 - 53 Hz Mains:

0 to 40°C Environment temperature:

Instrumentation

2x digital 3½ digit for output voltage and output current

1x analogue mains-independent for output voltage

1x analogue switchable for 3 phase mains voltage

3x analogue for 3 phase input current

Computer interface IEEE 488

Setting of output voltage and output current Read back of output voltage and output current Read back of mains input voltage and current of one phase Switch on and off of the power part

Mechanical construction

Fourfould- 19" rack, 37 HU (2000 mm), 800 mm deep Case:

Weight: approx. 2600kg

Application

Anode supply for a high power transmitter tube of a particle accelerator. Pulsed load.

September 03