

Specifications

SCT Crate Power Supply

Basic characteristics:

Size: 6U by 320 mm, 19" width

Power input: 3 x 400V/230V, 3 x 3.2A, 50Hz

Output: 48 SCT power supply channels

Size: 3U by 220 mm, 20 positions by single width

Cabling: All cable connectors are mounted on crate back plane

Function description:

SCT crate power supply is intended for housing of 12 LV and 6 HV cards, crate controller card and HW interlock card.

All interconnections are realized over the crate back plane.

The specification of the crate back plane is a subject of other document.

Crate power supply characteristic:

The crate power supply provides DC and AC voltages for the crate back plane. Outputs are +5V for logic, +12V for relays and 50V, 48kHz for AC/DC channel converters.

The crate power supply is located on the rear side of the crate.

Total input power is 2.2kW maximum. Output power and working temperature of the crate power supply are monitored by the crate controller. In case of an external main interruption, the crate power supply will turn to a trip state.

Reference

Version Draft 1.0

Created on July 4, 2000

Last modified Sep 18, 2000