Application

The power supply unit 23PU63 generates the supply voltages (5 V DC, ±15 V DC and 18 V DC = U_{Rel}) for the RTU560/RTU211.

The power supply unit 23PU63 is placed on the top of the Multi I/O Board 23IO96 or the Interface Adaptor 23AD64.

The 23PU63 is able to supply an RTU560/RTU211 System with 23IO96, 23CP61 and 23WT63. In addition it can feed one RTU211 I/O subrack with 4 I/O modules (16 I/O boards).

The power supply unit 23PU63 is available in one wide input range version:

- Input Voltage 24 ... 110 V DC

Characteristics

The power supply unit 23PU63 has the following characteristics and functions:

- Cooling by natural convection
- Electronic power limitation
- Short-circuit protection
- Over-voltage protection
- 2 fuses for Main and Process supply
- 5 light emitting diodes for displaying the input/output voltages
- No reverse voltage protection
Technical Data

In addition to the RTU560/RTU211 general technical data, the following applies:

**Input**
- **Voltage:** 24 … 110 V DC
- **Tolerance Range:** -20 ... +20 %
- **Current:** 0.2 … 1.5 A
- **Starting Current:** < 10 A
- **Efficiency:** > 70 %

**Output**
- **Power:** 25 W total

**Output 1**
- **Voltage:** 5,0 V DC
- **Tolerance:** ± 5 %
- **Current max.:** 1 A (*)
- **Residual Ripple** ≤ 100 mVss

**Output 2, 3**
- **Voltage:** +/- 15 V DC
- **Tolerance:** ± 10 %
- **Current max.:** 0.2 A (*)
- **Residual Ripple** ≤ 200 mVss

**Output 4**
- **Voltage VRef:** 18 V DC
- **Tolerance:** ± 20 %
- **Current max.:** 1 A (*)
- **Residual Ripple** ≤ 200 mVss

**Output 5**
- **Voltage:** 24 V DC
- **Tolerance:** ± 20 %
- **Current max.:** 0.5 A (*)
- **Residual Ripple** ≤ 200 mVss

**Mechanical Layout**
- **Length** 175.0 mm
- **Width** 107.5 mm
- **Height** 40.0 mm

**Connection Type**
- **Connector** <Internal>

**Environmental Conditions**
- **Temperature** - 25 ... 70 °C
- **Rel. Humidity** 5 … 95 % (non condensing)

**Ordering Information**
- 23PU63 R0001 1 KGT 017 900 R0001

(*) Please note:
The total consumption of all outputs is limited to the max. output power 25 Watt