

FCRTU24V5A

POWER SUPPLY FOR RTU



INPUT VOLTAGE

Nominal: 110 Vdc
Range: 88 - 150 Vdc
Non polarized connection

OUTPUT VOLTAGE

Nominal: 24 Vdc
Range: 22 to 26 Vdc

Nominal current: 5 A

REGULATION

Input voltage: $< \pm 1\%$
Charge: $< \pm 5\%$

PROTECTIONS

Fuses in the input
Current limitation in the output
Admit permanent short-circuit in the output with automatic recuperation
Output voltage in 0 V when the input voltage is out of range
Polarity change in the input

INDICATORS

Green led of input voltage: turn on with voltage in nominal range
Green led of output voltage: turn on with voltage > 22 Vdc

CONNECTIONS

Plug in terminals
Conductors up to 2,5 mm²

ENCLOSURE

Metallic with epoxy paint

ENVIRONMENT CONDITIONS

Air temperature: 0 to 45 °C
Relative humidity: 100 % without condensation
Protection grade: IP30

Weight: 1800 g

STANDARDS

Impulse: IEC 255 - 5 ap. 8.4
Insulation: IEC 255 - 5 ap. 6.2, 500 V
Interference on high frequency: IEEE C37, 90 p.9

FUNCTION

To convert the input voltage into the output voltage, 24 Vdc with galvanic insulation.

APPLICATION

To power the RTU and other electronics equipment.

CHARACTERISTICS

- Fulfil insulation and perturbation standard.
- Admit permanent short-circuit in the output with automatic recuperation.
- Admit slow changes in the input voltage.
- Turn on only with the input voltage in nominal range.
- Admit input connection with both polarities.
- Indication led of input voltage in nominal range.
- Indication led of output voltage more than 22 Vdc.
- Redundant capacity.

FUNCTION

DC/DC converter isolated type forward with asymmetric bridge based on MOSFET with PWM control in 50 KHz.

OPTIONS

Other voltages: 48 Vdc, 110 Vac, 220 Vdc, 220 Vca.

