

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: < ±1% Charge: < ±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

Interference on high frequency: IEEE C37, 90

29/01/04

p.9

Rev 1.1

MADE IN URUGUAY

Insulation: IEC 255 - 5 ap. 6.2, 500 V

insulation.

FUNCTION

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.

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

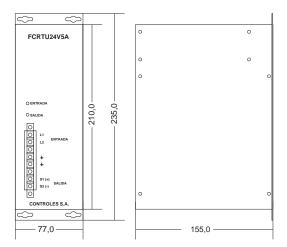
- Admit slow changes in the input voltage.
- Turn on only with the input voltage in nominal range.
- Admit input connection with both polarities.
- Indication led of input voltage in nominal range.
- Indication led of output voltage more than 22 Vdc.
- Redundant capacity.

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.



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