

Product DataSheet:

LCU – Local Control Unit

The Local Control Unit is rugged military grade system, 19" standard, able to supply and interfacing up to six unit.

Fully qualified MIL-STD-810F and MIL-STD-461F the LCU is suitable for applications that require controlled and monitored power in military environment (Naval Sheltered).



Key Specifications:

- Rugged military grade rack unit (standard 19")
- 3PH 115V 60Hz input voltage (STANAG 1008 compliance)
- Six 3PH 115V 60Hz (2.700VA total) and two 28Vdc (200VA each) output power supplies
- Startup and shutdown programmable sequence by the internal control board
- Alarm lights and circuit breakers on front panel
- UPS interface and remote control interface
- [0 ÷ +50]°C operative temperature range and [-40 ÷ +71]°C storing range
- Telescopic guides for installation and maintenance
- Fully qualified MIL-STD-810F and MIL-STD-461F
- Dimensions (h x l x d) 126x432x590 (mm)
- Weight 25 kg

INPUT POWER

105÷125Vrms 60Hz
20Arms max
4KVA max

INPUT TRANSIENT

<2sec to 89Vrms or 141Vrms

INPUT HARMONIC DISTORSION

THD < 5%
SHD < 3%

INPUT PROTECTION

Varistors
Breaker

ISOLATION

1500Vdc input to chassis
1500Vdc ac output to chassis
500Vdc dc output to chassis

STANDARD

Compliant to STANAG 1008 ed.9

EMI

Compliant to MIL-STD-461C:
CE01, CE03, CE07, RE01, RE02
CS01, CS02, CS06, RS01, RS02,
RS03

INPUT/OUTPUT SIGNALS

54 optocoupled lines

OUTPUT POWER SUPPLY

Six 3PH 115V 60Hz 2.700VA Tot
Two 28Vdc 200VA

OPERATING TEMPERATURE

[0 ÷ +50]°C

STORAGE TEMPERATURE

[-40 ÷ +71]°C

COOLING

Forced air by FAN UNIT

ENVIRONMENT PROTECTION

Full ruggedizing
Conformal coating

SHOCK & VIBRATION

MIL-STD-810F:
Half sine 10g 50ms over three axis
4÷100Hz 0,8g

HUMIDITY

MIL-STD-810F method 507.6

SALT FOG

MIL-STD-810F method 509.6

MTBF

12.136h MIL-217F
Naval Sheltered at 25°C

INDICATORS

Power presence
System status
Internal power supply status

CONNECTOR

D38999 standard

DIMENSIONS (h x l x d)

126x432x590 (mm)

WEIGHT

25 Kg