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SL Power Electronics - Manufacturer of Condor/Ault Brands
ML15-0.4-A

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sales@integrated-circuit.com

CONDOR DC POWER SUPPLIES INC.
2311 STATHAM PKWY
OXNARD, CA 93033 + 805-486-4565

ML SERIES
INSTALLATION INSTRUCTIONS

RATINGS:

Input: 100-120/220-240 V ac, 0.2/0.1 A, 50/60 Hz
Derate output current 10% for operation at frequencies below 58 Hz.

Output:

MODEL	OUTPUT	
ML5-1/OVP-A	5V	1.0A
ML12-0.5-A	12V	0.5A
ML15-0.4-A	15V	0.4A
ML24-0.28-A	24V	0.28A
MLL12-0.25-A	±12V	0.25A
MLL15-0.2-A	±15V	0.2A
MTLL-5W-A	+5V	0.5A
	±12V or ±15V	0.1A

Secondary Fuse Values		
F1	=	2.0A SB
F1	=	1.0A SB
F1	=	0.75A SB
F1	=	0.5A SB
F1, F3	=	0.5A SB
F1, F3	=	0.5A SB
F1	=	1.0A SB
F3	=	0.5A SB

Notes:
1. Maximum ambient temperature for continuous output specified in the table is 50°C.
2. Maximum Operating Relative Humidity 96%, no condensation.
3. Maximum output short circuit current is 150% of rated output current.

CERTIFICATION: All models are Certified to be in compliance with the applicable requirements of UL 2601-1, 1st Ed; CSA 22.2 No. 234 (level 3); EN 60601-1:1988.

CLASSIFICATION: (In accordance with sub-clause 5 of IEC 601-1)

(5.1) Protection against electric shock = Class II
(5.2) Degree of protection against electric shock = Not acceptable for applied part without additional isolation (contact factory for details)
(5.3) Protection against harmful ingress of water = Ordinary (no protection)
(5.5) Have not been evaluated for use in the presence of a flammable anaesthetic mixture with air, oxygen, or nitrous oxide. This evaluation is to be made on the end equipment by the OEM.
(5.6) Mode of operation = Continuous

ISOLATION: The creepage distance between primary and secondary circuits is 8 mm minimum. The required creepage and clearance distances from primary circuits to ground and secondary circuits must be maintained after installation to preserve the intended safety.

OUTPUTS: All output commons should be connected to Protective Earth in the end application. The output(s) are intended for Protectively Earthed Signal Output and Intermediate Circuits only. The output(s) have not been investigated for patient connection. All DC outputs are SELV under normal and single fault conditions.

OVERVOLTAGE PROTECTION: The output is monitored for an overvoltage condition. In some applications where an overvoltage condition could result in a hazard as defined in applicable safety standards, redundant or additional overvoltage protection may be required. Consult factory for details.

TEMPERATURES: The maximum operating temperatures of certain safety components, as defined in the applicable safety standards, must not be exceeded after installation to preserve the intended safety. The output power, ambient air temperature and the availability, amount, direction and/or restriction of airflow influence the temperatures of these components.

ML SERIES INSTALLATION INSTRUCTIONS

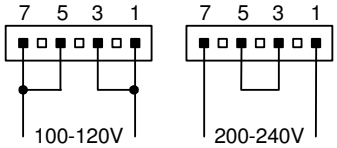
OVERCURRENT PROTECTION: EN 60601-1 requires that both supply leads (phase and neutral) be protected against overcurrent. Complete overcurrent protection must be provided in the host equipment. Fuse ratings must not exceed 0.25 A for 120 V or 0.125 A for 240 V, must meet the requirements of EN 60601-1 and be acceptable for the country in which the host equipment is to be installed.

WARNING! RISK OF FIRE! A blown fuse is an indication of catastrophic failure of circuit component(s). Repair must be performed by Condor authorized personnel. Refer to fuse markings above or on unit for rating.

WARNING! SHOCK HAZARD! Dangerous voltages are present on some components, printed wiring traces and heatsinks.

EXPLANATION OF SYMBOLS	
~	Alternating Current
⎓	Direct Current
⚠	Attention, Consult Accompanying Documents

AC INPUT CONNECTIONS



Mating Connector, Housing: Amp P/N 640250-7 or equiv.
Mating Connector, Contact: Amp P/N 640706-1 or equiv.

DC OUTPUT CONNECTIONS

Pin	Single Output	Dual Output	Triple Output
1	N/C	+ Output #1	+ Output #2
2	Common	Common	Common
3	+ Output	N/C	+ Output #1
4	Common	Common	Common
5	N/C	– Output #2	– Output #3

Mating Connector, Housing: Amp P/N 640250-5 or equiv.
Mating Connector, Contact: Amp P/N 640706-1 or equiv.