DCH3 Series

3 Watts

Total Power: 3 Watts
Input Voltage: 100 - 254 Vac
# of Outputs: Single

DCH3-050UK
DCH3-050US
DCH3-050EU

RoHS
2002/95/EC

Special Features

- USB Switching wallmount power supply
- Universal AC input
- Available in multiple AC plug configurations
- CE Mark EMC & LVD, & ErP 2011 for EU versions
- Regulated output
- Overload and short circuit protection
- Constant voltage, constant current
- Efficiency Level V
- Built in EMI filter (CISPR 22 Class B)
- Available in various output connectors
- Mini USB 2.0 dc output plug - 0005
- Micro USB 2.0 dc output plug - 0006

Safety

- **UL** 60950 / 6500
- **cUL** 60950 / 6500
- **TUV** 60950
- **NEMKO** 60950
- **CB** Certificate and report
- **CE** EMC,LVD & ErP 2011 for EU & UK versions
- **CTIA**
- **ENEC**

Electrical Specifications

Input	
Input range:	100 - 240 Vac (wide range)
Frequency:	47 - 63 Hz
EMI/RFI:	FCC Part 15, Subpart B Class B & EN55022 (CISPR 22) Class B &EMC89/336/EEC
Safety ground leakage current:	10 µA @ 50/60 Hz, 230 Vac input

Output	
Voltage (Vo):	5 V (4.75 - 5.25 V)
Maximum Power (Po):	3 W
Hold-up time:	25 ms. typical at full load @ 115 Vac
Overvoltage protection:	Single fault 10.5 V max. Latching type
Overload protection:	Output short circuit protection auto recover Overload protected > 800 mA
Output: Connector Pinout:	DC cable with Mini USB 2.0 -0005 suffix and Micro USB 2.0 -0006 Pin 1: +V Pin 5: ground

Environmental Specifications

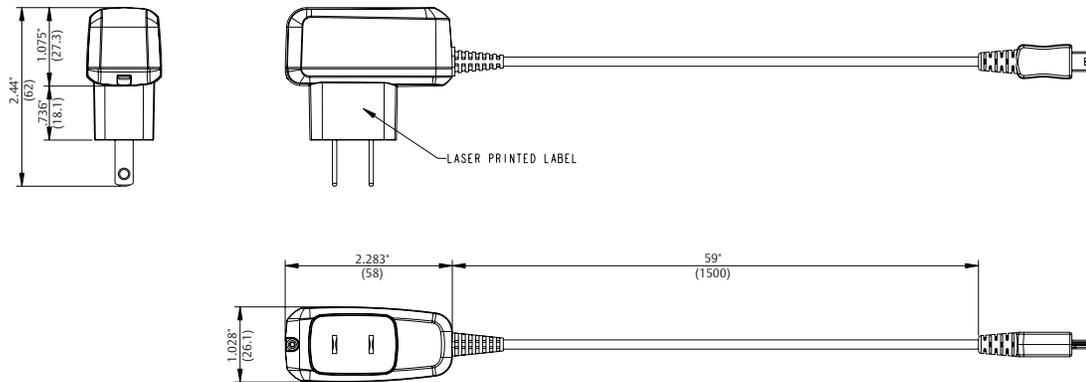|	
Operating temperature:	0° to 45 °C ambient
Storage temperature:	-20 °C to +70 °C
Electromagnetic susceptibility:	Designed to meet EN55082-1
Humidity:	Operating; non-condensing 20% to 90% RH
Vibration:	Per IEC 60068-2-6

EMERSON™
Network Power

Ordering Information

Model Number	Maximum Power	Output Voltage	Minimum Load	Maximum Load	Ripple P/P (PARD)[1]	Connector
DCH3-050US-0005	3 W	5 V	0	0.55 A	200 mV	Mini USB 2.0
DCH3-050EU-0005	3 W	5 V	0	0.55 A	200 mV	Mini USB 2.0
DCH3-050UK-0005	3 W	5 V	0	0.55 A	200 mV	Mini USB 2.0
DCH3-050US-0006	3 W	5 V	0	0.55 A	200 mV	Micro USB 2.0
DCH3-050EU-0006	3 W	5 V	0	0.55 A	200 mV	Micro USB 2.0
DCH3-050UK-0006	3 W	5 V	0	0.55 A	200 mV	Micro USB 2.0

1. Peak-to-peak with 20 mHz bandwidth and 10 μF (tantalum capacitor) in parallel with a 0.1 μF capacitor at rated line voltage and load ranges.

2. Output should not be grounded for EMI purpose.
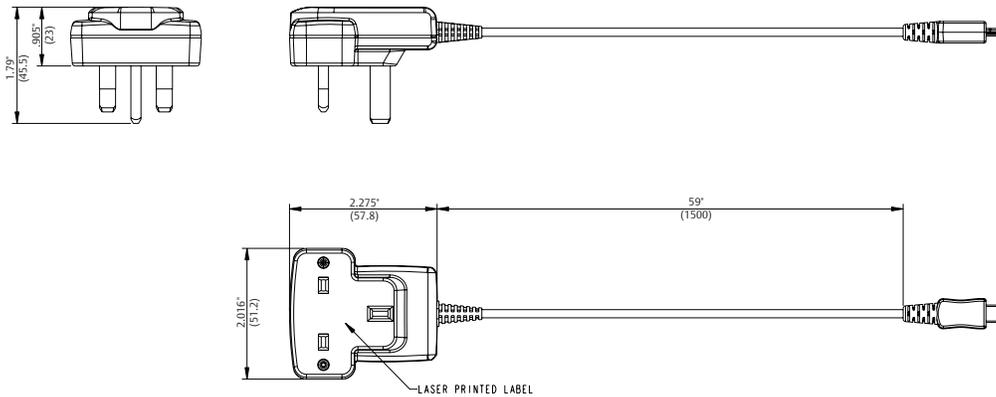
Mechanical Drawing
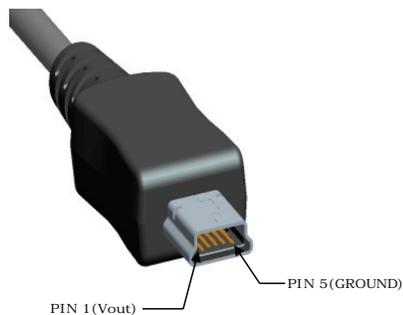
DCH3-050US - 0005 & 0006

DCH3-050EU - 0005 & -0006
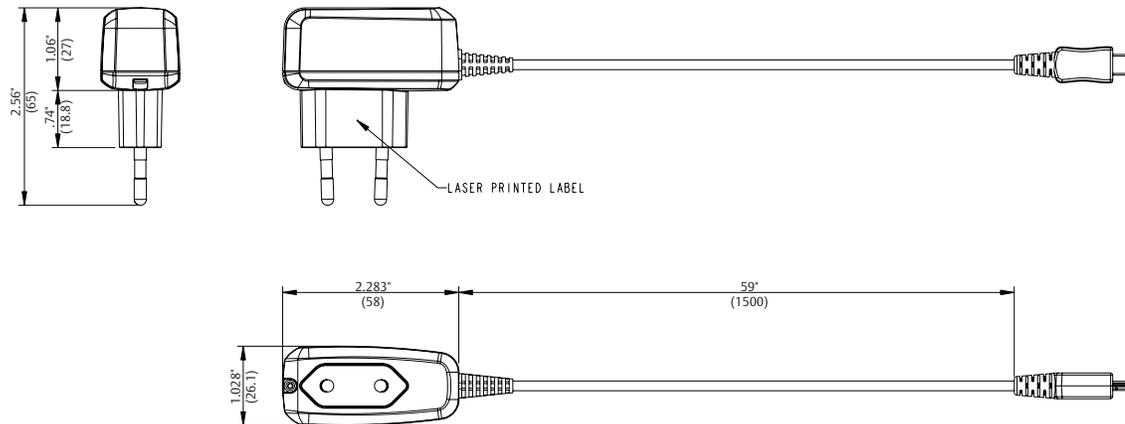
Mechanical Drawing

DCH3-050UK - 0005 & - 0006

1.79"
(45.5)

.905"
(23)

2.275"
(57.8)

59"
(1500)

2.016"
(51.2)

LASER PRINTED LABEL

Pin Assignments

PIN 1 (Vout)

PIN 5 (GROUND)

Notes:
1. Specifications subject to change without notice.
2. All dimensions in inches (mm), tolerance is ± .02".
3. Warranty: 2 years
4. Weight: 0.144 lb. / 0.066kg.

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