

## POWER SUPPLY 1-PHASE, MINILINE SERIES 2

ML15.051  
 PULS PSU 15W 5-5.5VDC

- Output current 0.63 A to 4.5 A
- Up to 90.4% efficiency
- AC and DC input voltage
- Width from 22.5mm
- 5 V, 12 V and 24 V DC options



### PRODUCT DESCRIPTION

3 A model included in Pulse series Mini Line 2 is the latest development series of small power supplies with very compact dimensions and low weight. The units have high efficiency, low EMC interference and good protection against mains transients. This makes them useful in almost all electrical environments and are a great addition to the earlier Mini Line series.

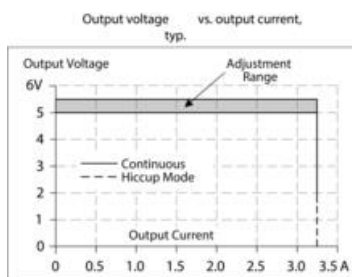
Very low quiescent current and high efficiency even at loads down to 60% makes the aggregates at a good energy and environmental choices.

5 A model is included in the earlier series Miniline having a very proven design and spring terminals for the best connection.

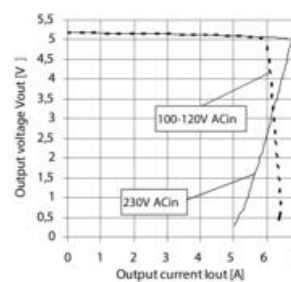
For good cooling free space of 40 mm above and 20 mm under the power supply is recommended. The sides 0 mm unless neighbouring products are a heat source, for example, a power supply unit. Leave then a 15 mm air gap

### Output characteristics

ML15.051 (3 A)



ML30.101 (5A)



## TECHNICAL DATA

### INPUT DATA

Input voltage range	Wide-range
Input voltage ac	100-240 V
Input voltage ac min	85 V AC
Input voltage dc max	375 V DC

Input voltage dc	110-300 V
Input voltage ac max	264 V AC
Number of phases	1
Inrush current at 230 V ac typical	26 A
Inrush current at 120 V ac typical	13 A
Power factor at 120 V ac, full load. Typical	0,51
Power factor at 230 V ac, full load. Typical	0,44
Input voltage dc min	88 V DC

## OUTPUT DATA

Output voltage min	5 V DC
Output voltage	5 V DC
Output voltage max	5,5 V DC
Power	15 W
Output current	3 A

## EFFICIENCY / LIFETIME / MTBF

Lifetime at 120 V ac, full load and +40 ° C	70000 h
MTBF (IEC 61709) 230 V ac, max load, 40 ° C	2686000 h
Efficiency at 230 V ac, full load, typical	77,2 %
Lifetime at 230 V ac, full load and +40 ° C	93000 h
Efficiency at 120 V ac, full load, typical	76,8 %

## DIMENSIONS

Weight	0,13 kg
Depth	91 mm
Width	22,5 mm
Height	75 mm

## OTHER

Series connection for increased voltage	Yes. See manufacturers datasheet or contact OEM Automatic for more details.
IP class	IP20
Power consumption 120 V ac	0,28 A
Ripple max	50 mV pp
Power drop from +60 °C to + 70 °C	0,4 W/°C

<b>Parallel connection for increased current</b>	Yes. See manufacturers datasheet or contact OEM Automatic for more details.
<b>Clamp type</b>	Screw on
<b>Temperature min without derating</b>	-10 °C
<b>Hold time at 120 V ac, typical full load</b>	45 ms
<b>Load regulation</b>	<100 mV (0-3 A)
<b>Series</b>	Miniline
<b>Hold time at 230 V ac, typical full load</b>	186 ms
<b>Power consumption 230 V ac</b>	0,17 A
<b>Supply frequency</b>	50-60 ±6 %
<b>Approvals</b>	ABS, CB, CE, CSA, GL, NEC Class 2, UL
<b>Temperature max without derating</b>	60 °C
<b>Material protection</b>	ABS plastic
<b>Type Power Supply</b>	AC-DC

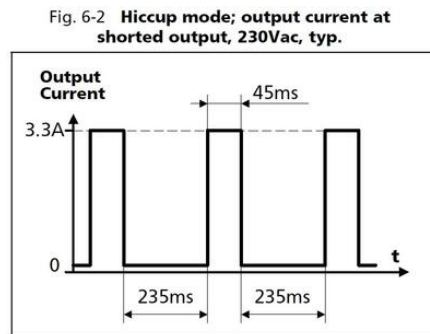
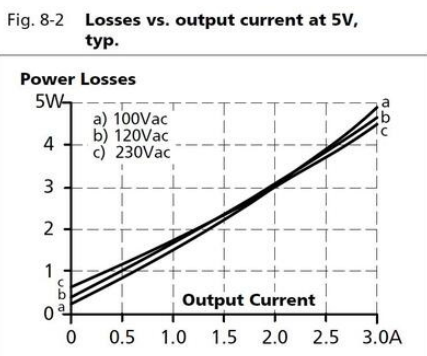
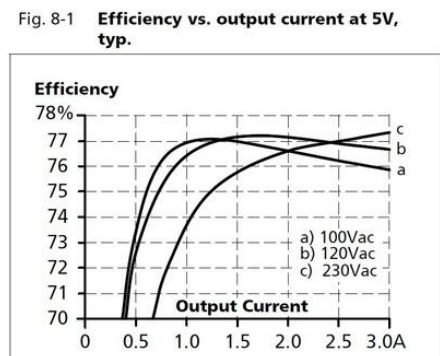
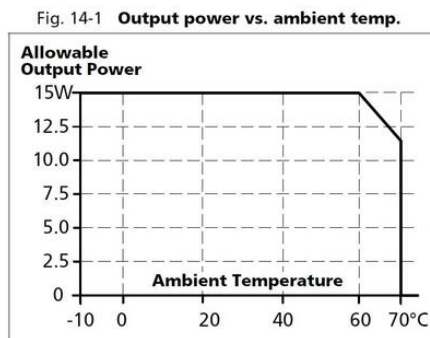
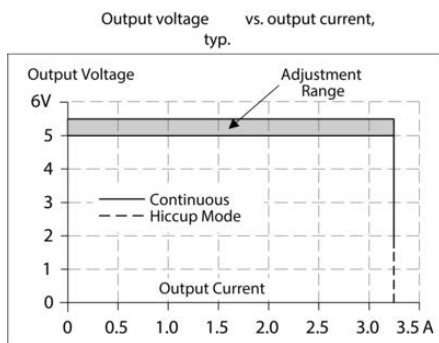


Fig. 10-1 **Front side**

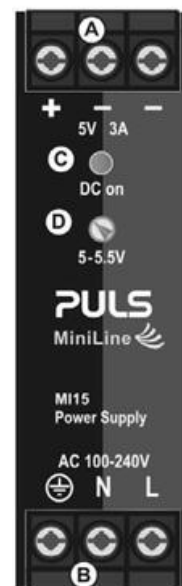


Fig. 20-1 **Front view**

