POWER SUPPLY 1-PHASE, 24 V DC MINILINE 2 SERIES

ML15.241
PULS PSU 15W 24-28VDC

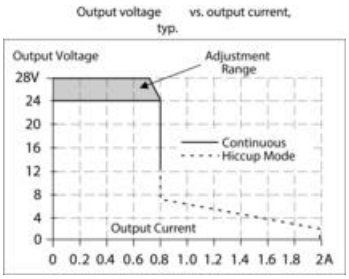
- Output current of 0.6 A, 1.3 A and 2.5 A
- Up to 89.7% efficiency
- Width of 22.5 mm
- AC and DC input voltage

PRODUCT DESCRIPTION

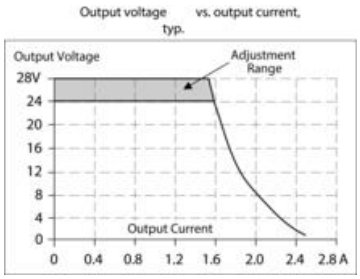
Pulse Mini Line 2 is the latest developed the Mini Line series consisting of the small power supply with very compact dimensions and low weight. The units have high efficiency, low EMC interference and good protection against mains transients, making them useful in almost all electrical environments.
Very low quiescent current and high efficiency even at loads down to 60% makes the aggregates at a good energy and environmental choices.

Output characteristics

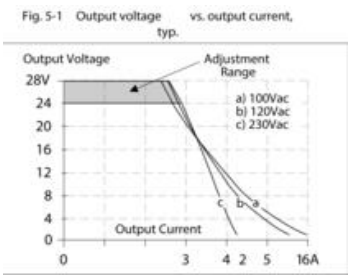
ML15.241. (0.6 A)



ML30.241. (1.3A)



ML60.241. (2.5 A)



SPECIFICATIONS

Input voltage range	Wide-range
Number of phases	1
Input voltage AC	100-240 V
Input voltage ac min	85 V AC
Input voltage ac max	264 V AC
Input voltage DC	110-300 V
Input voltage dc min	88 V DC
Input voltage dc max	375 V DC
Inrush current at 120 V ac typical	13 A

Inrush current at 230 V ac typical	26 A
Power Factor at 120 V AC, full load. Typical	0,51
Power Factor at 230 V AC, full load. Typical	0,44
Supply Frequency	50-60 ±6 %
Power Consumption At 120 V AC	0,28 A
Power Consumption At 230 V AC	0,17 A
Type Power Supply	AC-DC
Output voltage	24 V DC
Output voltage min	24 V DC
Output voltage max	28 V DC
Output Current	0,63 A
Effect	15 W
Power Reduction Of 60 To 70 ° C	0,4 W/°C
Ripple. max	50 mV pp
Temperature Range Without Derating From	-10 °C
Temperature Range Without Derating To	60 °C
Efficiency At 120 V AC, full load. Typical	86,1 %
Efficiency At 230 V AC, full load. Typical	85,1 %
Lifetime at 120 V ac, full load and +40 ° C	200000 h
Lifetime at 230 V ac, full load and +40 ° C	196000 h
MTBF (IEC 61709) 230 V AC, Maximum Load, 40 ° C	4369000 h
Width	22,5 mm
Height	75 mm
Depth	91 mm
Weight	0,13 kg
Clamp type	Screw on
Series	Miniline
Approvals	ABS, CB, CE, CSA, GL, NEC Class 2, UL
Material Protection	ABS plastic
Hold-up time at 120 V AC, full load. Typical.	47 ms
Hold-up time at 230 V AC, full load. Typical.	196 ms

IP Class	IP20
Active Transient	Yes

Output voltage vs. output current, typ.

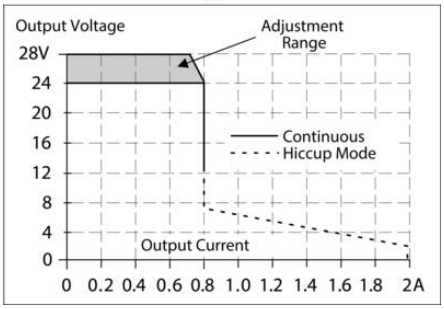


Fig. 8-1 Efficiency vs. output current at 24V, typ.

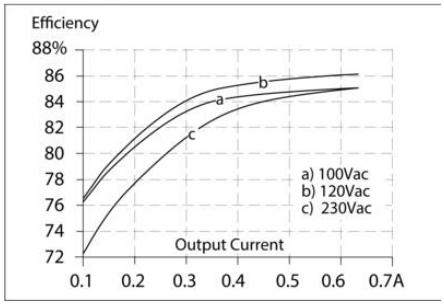


Fig. 8-2 Losses vs. output current at 24V, typ.

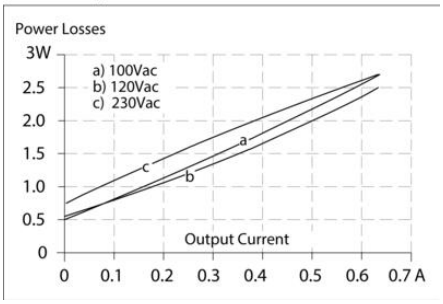


Fig. 14-1 Output power vs. ambient temp.

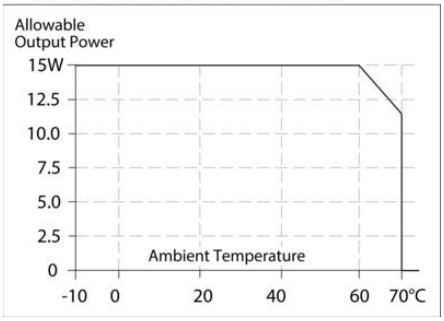


Fig. 6-2 Hiccup mode; output current at shorted output, 230Vac, typ.