

POWER SUPPLY 1-PHASE, MINILINE SERIES 1

ML100.100

PSU 100-120/220-240V ac I/P 24V dc 4.2A 100W O/P

- Output current of 1 A or 7.5 A
- High efficiency
- Space-saving
- Manages high starting/overload currents
- 5 V - 48 V DC



PRODUCT DESCRIPTION

Puls series Miniline is characterised by compact dimensions, reliability and long lifetime with high efficiency, which entails low energy loss and low temperatures in the switch cabinet. The power supply units are just 45 mm wide and feature spring connection, which means faster installation. For more technical information, consult the **general information** at the beginning of the power supply section.

TECHNICAL DATA

INPUT DATA

Input voltage ac	100-120, 220-240 V
Input voltage ac min	85 V AC
Input voltage ac max	264 V AC
Input voltage dc	290 V
Input voltage dc min	220 V DC
Input voltage dc max	375 V DC
Inrush current at 120 V ac typical	22 A
Inrush current at 230 V ac typical	37 A
Input voltage range	Auto-select
Power factor at 120 V ac, full load. Typical	0.55
Power factor at 230 V ac, full load. Typical	0.55
Number of phases	1

OUTPUT DATA

Output voltage	24 V DC
Output voltage min	24 V DC
Output voltage max	28 V DC
Output current	4.2 A
Power	100 W

EFFICIENCY / LIFETIME / MTBF

Efficiency at 230 V ac, full load, typical	90 %
MTBF (IEC 61709) 230 V ac, max load, 40 ° C	500000 h

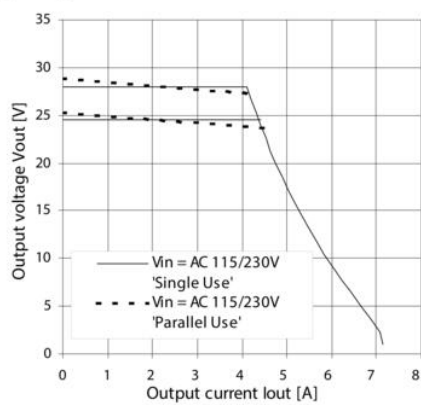
DIMENSIONS

Width	73 mm
Height	75 mm
Depth	103 mm
Weight	0.36 kg

OTHER

Approvals	CB, CE, CSA, GL, UL
Hold time at 120 V ac, typical full load	20 ms
Hold time at 230 V ac, typical full load	40 ms
IP class	IP20
Clamp type	Spring-clamp
Material protection	ABS plastic
Supply frequency	50-60 ±6 %
Ripple max	50 mV pp
Series	Miniline
Power consumption 120 V ac	2.1 A
Power consumption 230 V ac	1 A
Power drop from +60 °C to + 70 °C	2.5 W/°C
Temperature min without derating	-10 °C
Temperature max without derating	60 °C
Type Power Supply	AC-DC

Output characteristic V_{out} / I_{out}
(min.)



Efficiency
(@ $V_{out} = 24.5V$, typ.)

