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POWER SUPPLY 1-PHASE, MINILINE SERIES 1

ML30.102
PSU 100-240V ac I/P 12V dc 3A 30W 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	100-240 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	85 V DC
Input voltage dc max	375 V DC
Inrush current at 120 V ac typical	17 A
Inrush current at 230 V ac typical	35 A
Input voltage range	Wide-range
Power factor at 120 V ac, full load. Typical	0.53
Power factor at 230 V ac, full load. Typical	0.53
Number of phases	1

OUTPUT DATA

Output voltage	12 V DC
Output voltage min	10 V DC
Output voltage max	12 V DC
Output current	2.5 A
Power	30 W

EFFICIENCY / LIFETIME / MTBF

Efficiency at 230 V ac, full load, typical	84 %
MTBF (IEC 61709) 230 V ac, max load, 40 ° C	650000 h

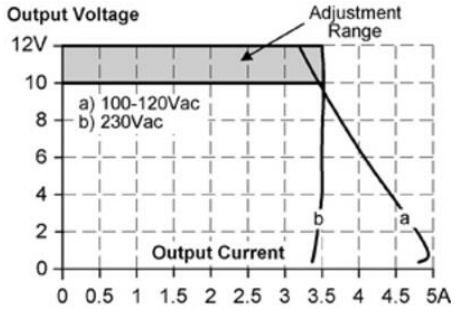
DIMENSIONS

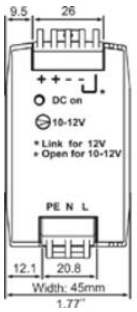
Width	45 mm
Height	75 mm
Depth	91 mm
Weight	0.24 kg

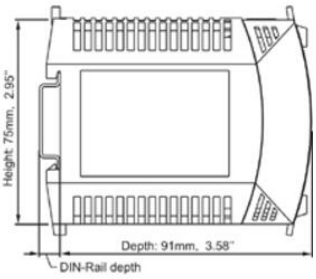
OTHER

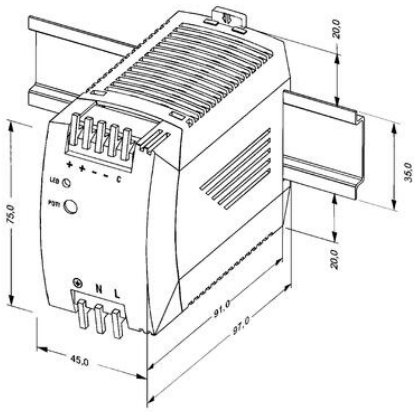
Approvals	CB, CE, CSA, NEC Class 2, UL
Hold time at 120 V ac, typical full load	18 ms
Hold time at 230 V ac, typical full load	170 ms
IP class	IP20
Clamp type	Spring-clamp
Material protection	ABS plastic
Supply frequency	50-60 ±6 %
Ripple max	10 mV pp
Series	Miniline
Power consumption 120 V ac	0.6 A
Power consumption 230 V ac	0.25 A
Power drop from +60 °C to + 70 °C	0.8 W/°C
Temperature min without derating	-10 °C
Temperature max without derating	60 °C

Type Power Supply	AC-DC
Active Transient	Yes


Output Voltage
Adjustment Range
12V
10
8
6
4
2
0
a) 100-120Vac
b) 230Vac
b
a
Output Current
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5A


9.5
26
+ + - -
DC on
10-12V
* Link for 12V
* Open for 10-12V
PE N L
12.1
20.8
Width: 45mm
1.77"


Height: 75mm, 2.95"
Depth: 91mm, 3.58"
DIN-Rail depth


20.0
35.0
20.0
75.0
+ + - - C
N L
91.0
97.0
45.0