POWER SUPPLY 2-PHASE, 24 V DC MINILINE SERIES

ML90.200
PULS PSU 90W 24-28VDC 2 PHASE



- Output current of 4.2 A or 3.75 A
- 2-phase supply
- Compact dimensions
- Efficiency up to 90 %
- 380-480 V ac

PRODUCT DESCRIPTION

The ML100.200 is a simple and cost effective approach to convert the ac voltage of a typical three phase system into a regulated dc voltage. It only requires two phases and thereby saves terminal space, terminal cost, wires, fuses and installation time.
The ML100.200 is very compact, high efficient and easy to use. The input is internally protected, which makes external fuses unnecessary in many cases.
Weighing only 360g, it is a lightweight compared to the 50/60Hz control transformers, which are commonly used for low-power control voltages where a neutral wire is not available.
High immunity to transients and power surges as well as low electromagnetic emission makes usage in nearly every environment possible.

For approved cooling, free space of 40 mm above and 20 mm under is recommended.
If adjacent components on the rail radiate heat, free space of 15 mm is recommended at all sides.

SPECIFICATIONS

Input voltage range	Wide-range
Number of phases	2
Input voltage AC	380-480 V
Input voltage ac min	323 V AC
Input voltage ac max	552 V AC
Inrush current at 400 V ac typical	36 A
Power Factor at 400 V AC, full load. Typical	0.6
Supply Frequency	50-60 ±6 %
Power consumption at 400 V ac	0.42 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	3.75 A
Effect	90 W
Power Reduction Of 60 To 70 ° C	2 W/°C
Ripple. max	50 mV pp
Temperature Range Without Derating From	-10 °C
Temperature Range Without Derating To	60 °C

Efficiency At 400 V AC, full load. Typical	89.5 %
MTBF (IEC 61709) 400 V ac, max loan, +40 °C	1594000 h

Width	72.5 mm
Height	75 mm
Depth	103 mm
Weight	0.36 kg

Clamp type	Spring-clamp

Series	Miniline
Approvals	CB, CE, CSA, GL, NEC Class 2, UL
Material Protection	ABS plastic
Hold-up time at 400 V AC, full load. Typical.	52 ms
IP Class	IP20





