OEM Automatic Ltd
Address: Whiteacres, Whetstone Leicester, LE8 6ZG
0116 284 9900 | Orders@oem.co.uk | www.oem.co.uk

POWER SUPPLY 2-PHASE, 24 V DC MINILINE SERIES

ML90.200
PSU 3PH 380-480V ac I/P 24V dc 3.75A 90W O/P



- 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.

TECHNICAL DATA

INPUT DATA

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
Input voltage range	Wide-range
Power factor at 400 V ac, full load. Typical	0.6
Number of phases	2

OUTPUT DATA

Output voltage	24 V DC
Output voltage min	24 V DC
Output voltage max	28 V DC

Output current	3.75 A
Power	90 W

EFFICIENCY / LIFETIME / MTBF

Efficiency at 400 V ac, full load, typical	89.5 %
MTBF (IEC 61709) 400 V ac, max loan, +40 °C	1594000 h

DIMENSIONS

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

OTHER

Approvals	CB, CE, CSA, GL, NEC Class 2, UL
Hold time at 400 V ac, typical full load	52 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 at 400 V ac	0.42 A
Power drop from +60 °C to + 70 °C	2 W/°C
Temperature min without derating	-10 °C
Temperature max without derating	60 °C

Type Power Supply	AC-DC





