EM-LP300 POWER SUPPLY FOR EM PRODUCTS 230/115VAC 300VA

FEATURES:

- Selectable input voltage
- Toroidal transformer
- High peak current
- Mounting plate supports many EM products
- IP65 housing

EM-LP300 Power supply is designed to supply multiple EM products. It has powerful toroidal transformer with an big filtering capability and mounting plate with space for multiple EM products.

The toroidal transformer offers very important high peak current capability for motor applications. This high peak current capability is required for start current and torque peaks of motors. The transformer has inbuild self-resettable temperature fuse. Mains supply voltage selection is done with voltage selector switch under the mounting plate. Device has also aluminium mounting plate where several EM-products can be fastened with 3mm snap-in spacers. The material of housing is durable polycarbonate and it's suitable also for outdoor usage.

TECHNICAL DATA:

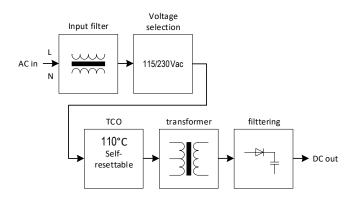|	
Supply voltage	230/115Vac, 50/60Hz
Fuse	20.0x5.0mm
	T3.15A (230Vac)
	T6.30A (115Vac)
Temp. fuse TCO	110°C
Transformer	2x115/21Vac / 300VA
	Max output 30A *
	Continuous 10A **
Filtering	16.5mF
Dimensions	180*180*103mm
Weight	3.65kg
Housing	Fibox PC 175/100HG IP65 with 1xPG11 + 9xPG9 cable glands

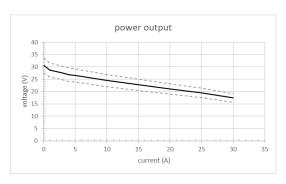* 10s cycle with 10% duty cycle
** power losses of electronic cards can decrease the continuous current rating
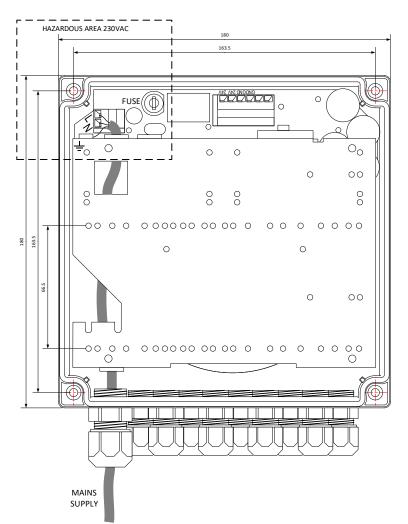
Product is EMC-tested and CE-marked.

EM-LP300 BLOCK DIAGRAM

EM-LP300 DERATING CURVE

EM-LP300 OPERATING INSTRUCTIONS

HAZARDOUS AREA 230VAC

180

163.5

FUSE

GND GND 24V 24V

180
163.5
66.5

MAINS
SUPPLY

Examples of few possible EM product assemblies:

- EM-241 + EM-T18 or same size
- EM-176 + EM-241 or same size
- EM-176 + EM-T18 or same size
- EM-239 + EM-T18 or same size
- EM-243C + EM-T18 or same size
- EM-337 + EM-T18 or same size
- EM-339 + EM-T18 or same size
- 3*EM-241
- And many other combinations

EM products are fastened with 3mm plastic snap-in spacers

Notice!
Only Electrician should connect the device, because 230Vac supply, Device has also hazardous area nearby supply input connector, Do not touch.