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SWITCH MODE POWER SUPPLY (SMPS)

TECHNICAL SPECIFICATION

| | |
|---|---|
| MODEL | EES12V20A |
| INPUT | |
| I/P | 230V AC, 1-Ph |
| Frequency | 47-63Hz |
| Range | 180-270V AC |
| Fuse Protection. | Yes |
| I/P MOV | Yes |
| Soft Start | Yes |
| Inrush current | 46A@230V AC |
| AC Current | |
| Leakage Current | <5mA@230V AC |
| OUTPUT | |
| Nominal Voltage | 12V DC |
| Voltage Range | 12-15V |
| Rated Current | 20A |
| Line Regulation | +/- 1% |
| Load Regulation | +/- 1% |
| Ripple Max (P-P) | +/- 1% |
| Noise Max (P-P) | +/- 1% |
| Protections | a) Overload Protection auto recovery type:102-105% b) Short circuit protection auto recovery type:Yes c) Over Voltage Protection Latching type:105-110% |
| Current Limit. | Yes |
| Start up time | 2.8sec |
| Hold up time | 28ms@230V AC |
| ENVIRONMENTAL | |
| Operating temperature upto 50° C. | |
| Humidity | < 95% Rh |
| IP 21 Protection | |
| GENERAL | |
| Isolation | Input to Output – 1.5KV Input to Earth – 1.5KV Output to Earth- 500V |
| MTBF | 50K Hrs to MIL |
| Efficiency | 75% |
| INDICATIONS LED | a) Input OK b) Output OK c) Output OVP |
| MECHANICAL | |
| Dimension | 195W X 130D X 95H mm |
| Cooling type | Fan cooled – exhaust |
| Weight | 1.4 Kgs |
| OPTIONAL | |
| Redundancy by external diode. | |
| Potential Free Contact – Alarm contact | |
| Programmable by external signal – voltage & current | |
| Remote ON/OFF | |
| With Digital Voltmeter & Current meter | |