



- 1.
- 2.

LCR-Series

- Low Cost Industrial Class Switch Mode Power Supply
- Fits into VDE0603 Sub-Distribution Switchbox

LCR Series

| Model | LCR010.24 | LCR030.24 | LCR060.24 | LCR100.24 |
|--------------------------|-----------------------------|------------|------------|------------|
| Nominal Power | 10W | 30W | 60W | 100W |
| AC Nominal Input | 100... 240Vac | | | |
| AC Input Voltage | 90... 264Vac | | | |
| DC Input Voltage | 140... 340Vdc | | | |
| AC Frequency | 47... 63Hz | | | |
| Hold-Up Time | 90ms | 160ms | 80ms | 80ms |
| Inrush Current | 41A | 41A | 81A | 52A |
| Start | softstart | | | |
| Output Voltage | 24V | 24V | 24V | 24V |
| Adjust Range | 24 ... 28V | 24 ... 28V | 24 ... 28V | 24 ... 28V |
| Ripple P-P | 7mV | 7mV | 7mV | 8mV |
| DC Nominal Current | 420mA | 1,25A | 2,5A | 4,2A |
| Load Regulation dyn. | ±0,02% | | | |
| Load Regulation Time | 4,4ms | 5,8ms | 4,2ms | 4,5ms |
| Efficiency 230Vac typ. | 82% | 85% | 85% | 86% |
| Base Load | none required | | | |
| Short Circuit | continous protected | | | |
| Ambient Operation | -10 bis +60°C | | | |
| Cooling | natural | | | |
| Temperature Control | yes, Hiccup, auto-recovery | | | |
| Housing | VDE0603 for CB boxes | | | |
| Type Class | IP20 | | | |
| Burn Proof Class | UL94V-0 | | | |
| Safety IEC | EN60950-1 EN50178 EN60204-1 | | | |
| Safety Class PELV | II A | | | |
| Input- /Output Isolation | 3000Vac | | | |
| Humidity Operation | 20 ... 90% non condensing | | | |
| EMI | EN55022B EN61000-3-2A | | | |
| EMS | EN61000-6-2,3 | | | |
| MTBF IEC61709 [h] | 299T | 287T | 250T | 248T |