

DS-D43Q200PF-XXX

Full color LED display switching power supply

Product Introduction

DS-D43Q200PF-XXX is a full-color LED switching power supply launched by Hikvision, with a conversion efficiency of over 86%, output short circuit/overload protection, high reliability, strong load capacity, and meets 3C standards2.

Order Model

DS-D43Q200PF-4V5

DS-D43Q200PF-5V



Product Features

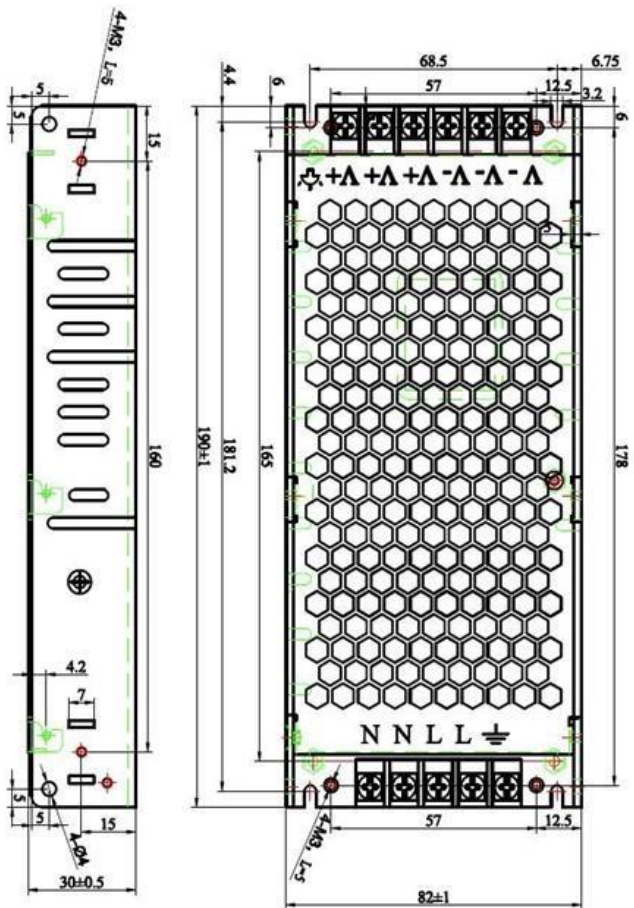
- High reliability, strong load capacity, in line with 3C requirements
- 100% full load aging test
- Natural convection cooling
- Protection functions include: short circuit/overload

Specification

| Model | | DS-43Q200PF-4V5 | DS-43Q200PF-5V |
|---------|--------------------------|-------------------------------|----------------|
| Outpour | DC voltage | 4. 5V | 5V |
| | Rated current | 40A | 40A |
| | Current range | 0~40A | 0~40A |
| | rated power | 180W | 200W |
| | Ripple and Noise | 150mVp-p | 150mVp-p |
| | Voltage adjustment range | ±5% | ±10% |
| | Voltage accuracy | ±1. 0% | ±1. 0% |
| | Line Regulation | ±0. 5% | ±0. 5% |
| | Load adjustment rate | ±2% | ±2% |
| | Start-up and rise time | 2000ms, 50ms/230VAC load 100% | |
| | Keep time (Typ) | 20ms/230VAC load 100% | |
| | voltage range | 200~240VAC | |
| | Frequency Range | 47~63HZ | |

| | | |
|-------------|---|--|
| Input | Power Factor (Typ) | PF \geq 0.5 |
| | Efficiency (Typ) | \geq 86% |
| | AC voltage | 230VAC 2.5A |
| | Inrush current (Typ) | 60A/230VAC |
| | Leakage Current | <1mA/230VAC |
| Protection | Overload | 110~150% rated |
| | Short Circuit | Power supply protection after output short circuit, output can be automatically restored after the short circuit is eliminated |
| Environment | Operating temperature | -20℃~+50℃ (AC 230V) (Reference load temperature derating curve) |
| | Working humidity | 20~90%RH No solidification |
| | Storage temperature | -30~+85℃ |
| | Storage humidity | 10~95%RH No solidification |
| Other | Size | 190*82*30mm (L*W*H) |
| | Package | 0.40Kg/pc |
| Remark | <p>*In order to extend the service life, it is recommended to leave 30% margin when configuring the load. For example: if the device requires 100W of power, use a power supply of no less than 130W.</p> <p>*Switching power supply ripple test method: Use a 12# twisted pair cable, connect a 47uF electrolytic capacitor and a 0.1uF high-frequency capacitor in parallel at the terminal, and measure at 20M bandwidth of the oscilloscope.</p> <p>*Unless otherwise specified, all electrical performance tests are completed at 25℃.</p> <p>*The power supply is considered as part of the internal components of the device and needs to be combined with the terminal equipment to complete the electromagnetic compatibility related test confirmation.</p> | |

Size



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