

DIN-Rail Power Supply - SDR-75 Series

SDR-75 SERIES



DIN-Rail Power Supply - SDR-75 Series

- DIN-Rail power supply
- Output voltage 24 and 48 V DC
- Rated power 75 W
- MTBF standard MIL-HDBK-217F

| OVERVIEW MODELS | OUTPUT VOLTAGE V DC | RATED POWER | DIMENSIONS (W X H X D) | WEIGHT |
|-----------------|---------------------|-------------|------------------------|--------|
| SDR-75-24 | 24 V DC | 75 W | 32 x 125.2 x 102 mm | 510 g |
| SDR-75-48 | 48 V DC | 75 W | 32 x 125.2 x 102 mm | 510 g |

DIN-Rail Power Supply - SDR-75 Series

SPECIFICATIONS

| Model | SDR-75-24 | SDR-75-48 |
|---------------------------------|---|---------------|
| GENERAL DATA | | |
| Series | SDR | SDR |
| Type | DIN rail power supply | |
| INPUTS | | |
| Input voltage V AC | 88 - 264 V AC | |
| Input voltage V DC | 124 - 370 V DC | |
| Input frequency | 47 - 63 Hz | |
| Efficiency | 89 % | 90 % |
| Input current V AC | 1.4 A @ 115 V AC / 0.85 A @ 230 V AC | |
| Inrush current | 50 A @ 230 V AC | |
| Inrush current cold start | 30 A @ 115 V AC | |
| Leakage current | < 1 mA @ 240 V AC | |
| OUTPUTS | | |
| Number of outputs | 1 | 1 |
| Output voltage V DC | 24 V DC | 48 V DC |
| Rated current | 3.2 A | 1.6 A |
| Current range | 0 - 3.2 A | 0 - 1.6 A |
| Rated power | 76,8 W | 76,8 W |
| Peak current | 4.69 A | 2.34 A |
| Peak power | 112.5 W (3 s) | 112.5 W (3 s) |
| Ripple Noise | 100 mVp-p | 120 mVp-p |
| Output voltage adjustment range | 24 - 28 V | 48 - 55 V |
| Output voltage tolerance | ±1 % | |
| Line regulation | ±0.5 % | |
| Load regulation | ±1 % | |
| Setup time | 1500 ms, 60 ms @ 230 V AC / 3000 ms, 60 ms @ 115 V AC (Full load) | |
| Hold-up time typical | 80 ms @ 230 V AC | |
| Hold-up time full load | 20 ms @ 115 V AC | |
| Overload protection | Power limited (110 - 150 % Rated output power) | |
| Over voltage protection | 29 - 33 V | 56 - 65 V |
| Short circuit protection | Yes | |
| Temperature protection | 100 °C ±10 °C (RTH2) | |

DIN-Rail Power Supply - SDR-75 Series

SPECIFICATIONS

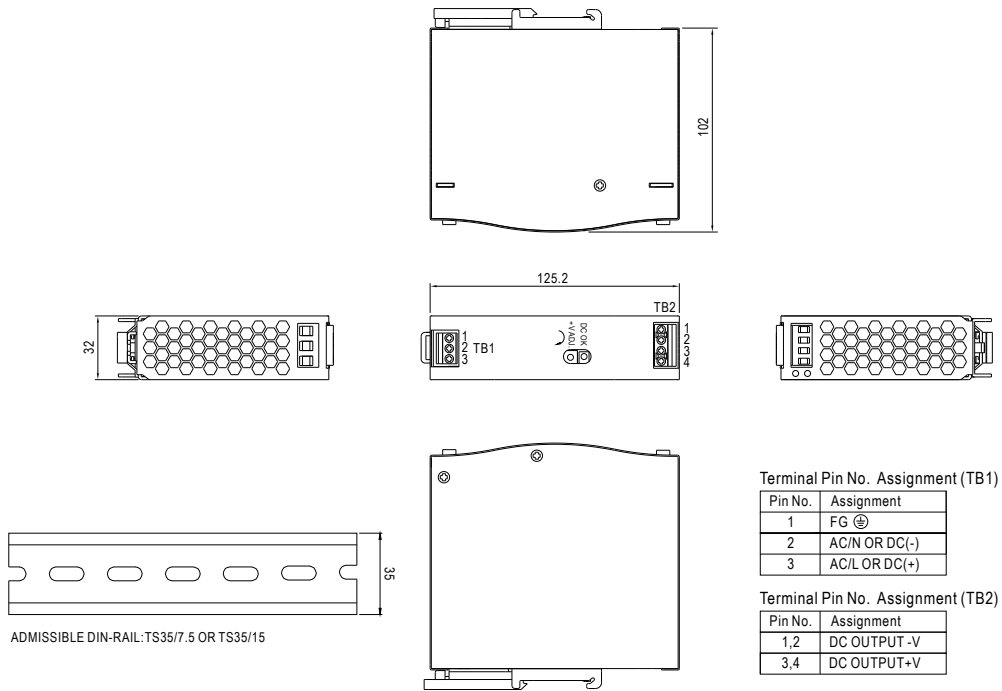
| Model | SDR-75-24 | SDR-75-48 |
|---------------------------------|--|-----------|
| PHYSICAL CHARACTERISTICS | | |
| Dimensions (W x H x D) | 32 x 125.2 x 102 mm | |
| Weight | 510 g | |
| Mounting | DIN rail | |
| ENVIRONMENTAL | | |
| Operating temperature range | -30 - +70 °C | |
| Storage temperature range | -40 - +85 °C | |
| Humidity | 20 - 90 % (non condensing) | |
| Temperature coefficient | ±0.03 %/°C (0 - +60 °C) | |
| Vibration | 10 - 500 Hz, 2 G, 3-axis, IEC60068-2-6 | |
| APPROVALS | | |
| CE | Yes | |
| cULus | UL 508 | |
| TÜV | EN 60950-1 (EN 60204-1) | |
| EMC | EN 55022 (CISPR22) / EN55024 / EN 61000-3-2,3 / EN 61000-4-2,3,4,5,6,8,11 / EN 61000-6-2 (EN 50082-2) / EN 61204-3 Class B, SEMI F47 | |
| RoHS | Yes | |
| MTBF | | |
| MTBF time | min. 481.900 hours @ 25 °C | |
| MTBF standard | MIL-HDBK-217F | |

DIN-Rail Power Supply - SDR-75 Series

PRODUCT DIMENSIONS (MM)

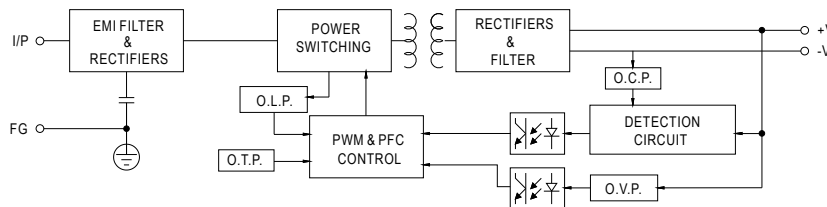
Mechanical Specification

Unit:mm



Block Diagram

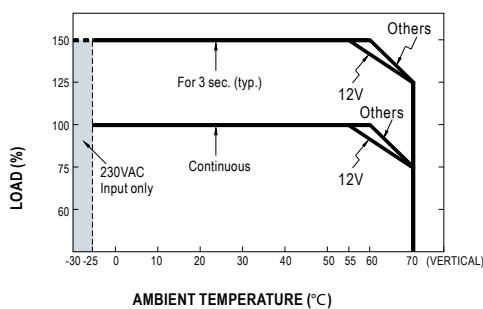
fosc : 85KHz



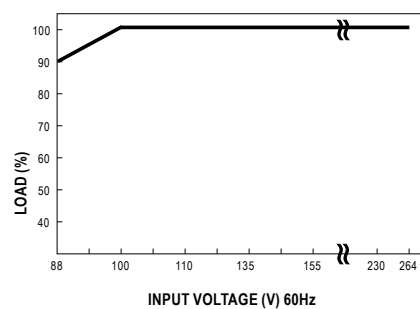
Peak Loading



Derating Curve



Output derating VS input voltage



DIN-Rail Power Supply - SDR-75 Series

PRODUCT IMAGES

