DDR-480C-24 Mean Well 480W 24VDC 20A DIN Rail DC-DC Converter Datasheet

Brand: Mean Well

SKU: 967494798420

Category: Power Supplies & Circuit Protection

Price: **$278.57**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/ddr-480c-24-mean-well-480w-24vdc-20a-din-rail-dc-dc-converter

Product Description

Mean Well DDR-480C-24 is an 85.5 x 125.2 x 128.5 mm DIN rail mount DC-DC converter providing 24 VDC output at 20 A with a 480 W power rating. The unit features a 2:1 wide input range of 33.6 to 67.2 VDC and achieves 92 % efficiency. Constructed with a metal chassis for fanless cooling via free air convection, it includes a built-in DC OK relay contact and 150 % peak load capability for 3 seconds. The internal circuitry provides 4000 VDC I/O isolation, reverse polarity protection, and short circuit, overload, overvoltage, and overtemperature safeguards.

DDR-480C-24 Specifications
Model: DDR-480C-24
Brand: Mean Well
Product Category: DIN Rail DC-DC Converter
Input Voltage Range: 33.6 to 67.2 VDC
Nominal Input: 48 VDC
Output Voltage: 24 VDC
Output Voltage Trim Range: 24 to 28 VDC
Rated Current: 20 A
Rated Power: 480 W
Peak Current: 30 A (3 seconds)
Peak Power: 720 W (3 seconds)

Efficiency: 92 %
Ripple and Noise: 100 mVp-p
Line Regulation: ± 0.5 %
Load Regulation: ± 1 %
Isolation Voltage: 4000 VDC
Operating Temperature: -40 to +80 °C
Storage Temperature: -40 to +85 °C
Working Humidity: 5 to 95 % RH non-condensing
Dimensions: 85.5 x 125.2 x 128.5 mm
Weight: 1.3 kg
Mounting: DIN Rail TS-35/7.5 or 15
Cooling: Free air convection
Protections: Short circuit, Overload, Overvoltage, Overtemperature, Input reverse polarity
Certifications: IEC 62368-1, EN 55032, EN 50155, EN 45545-2, AS/NZS 62368.1

DDR-480C-24 Applications

Primary applications include integration into railway rolling stock systems, subway traction control units, and passenger information displays. Deployed within industrial automation cabinets, telecommunication base stations, and renewable energy battery management systems requiring stabilized 24 VDC power from fluctuating 48 VDC sources.

Supplemental Images


DC OK
DC OK
DDR-480C-24