



DIN RAIL SERIES

40/60 WATT SINGLE OUTPUT



Features

- Universal Input Range 90~264Vac
- Efficiency up to 90%
- Approved EN55032 and CISPR/FCC Class B
- Approved IEC/EN/UL 62368-1
- Continuous Short Circuit Protection
- LED Indicator for Power On
- Can be Installed on DIN Rail TS-35/7.5 or 15



CFM40CXXX-DR Series

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION	% EFF. (Typ.)
CFM40C033-DR	3.3 V	6 A	50mV	±1%	±0.5%	±1%	70%
CFM40C050-DR	5 V	6 A	1%	±1%	±0.5%	±1%	76%
CFM40C090-DR	9 V	4.45 A	1%	±1%	±0.5%	±1%	84%
CFM40C120-DR	12 V	3.34 A	1%	±1%	±0.5%	±1%	85%
CFM40C150-DR	15 V	2.67 A	1%	±1%	±0.5%	±1%	85%
CFM40C240-DR	24 V	1.67 A	1%	±1%	±0.5%	±1%	85%
CFM40C300-DR	30 V	1.33 A	1%	±1%	±0.5%	±1%	86%
CFM40C360-DR	36 V	1.11 A	1%	±1%	±0.5%	±1%	87%
CFM40C480-DR	48 V	0.834 A	1%	±1%	±0.5%	±1%	87%

CFM60CXXX-DR Series

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION	% EFF. (Typ.)
CFM60C033-DR	3.3 V	8 A	50mV	±1%	±0.5%	±1%	72%
CFM60C050-DR	5 V	8 A	1%	±1%	±0.5%	±1%	77%
CFM60C090-DR	9 V	6.67 A	1%	±1%	±0.5%	±1%	84%
CFM60C120-DR	12 V	5 A	1%	±1%	±0.5%	±1%	85%
CFM60C150-DR	15 V	4 A	1%	±1%	±0.5%	±1%	86%
CFM60C240-DR	24 V	2.5 A	1%	±1%	±0.5%	±1%	86%
CFM60C300-DR	30 V	2 A	1%	±1%	±0.5%	±1%	86%
CFM60C360-DR	36 V	1.67 A	1%	±1%	±0.5%	±1%	88%
CFM60C480-DR	48 V	1.25 A	1%	±1%	±0.5%	±1%	88%

Specifications

INPUT SPECIFICATIONS:

Voltage 90~264V_{ac}
 120~370V_{dc}
 Frequency 47 to 63Hz
 Inrush Current 50A max. @240V_{ac}
 Conducted EMI CISPR/FCC Class B
 Leakage Current 3.5mA max.

OUTPUT SPECIFICATIONS:

Hold-up Time 8ms typ. @115Vac
 Short Circuit Protection Hiccup Mode (Auto Recover)
 Over Voltage Protection TVS Component to Clamp
 Temperature Coefficient ±0.05%/°C max.

GENERAL SPECIFICATIONS:

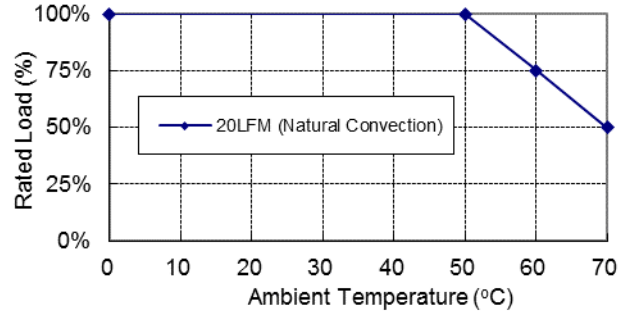
Isolation Input to output = 4,242V_{dc}
 Operating Temperature 0 ~ 70°C (see Derating Curve)
 Storage Temperature -20~85°C
 Humidity 93% RH max. Non-Condensing
 Cooling Natural Convection
 Switching Frequency 66KHz Typical
 MTBF MIL-HDBK-217F, GB, 25°C/115V_{ac} 200Khrs min.
 Altitude 2000m
 Dimensions 5.433x2.323x1.894inches (138.00x59.00x48.10mm)
 Weight 475g

SAFETY AND EMC:

Emission and Immunity EN55032 Class B, FCC Part 15 Class B
 EN61000-6-3, EN61000-3-2, EN61000-3-3
 EN55035, EN61204-3, EN61000-6-1
 Safety IEC/EN/UL 62368-1, IEC/EN/UL 60950-1

CFM40C/60C XXX-DR Series Derating Curve

CFM40C/60C XXX-DR

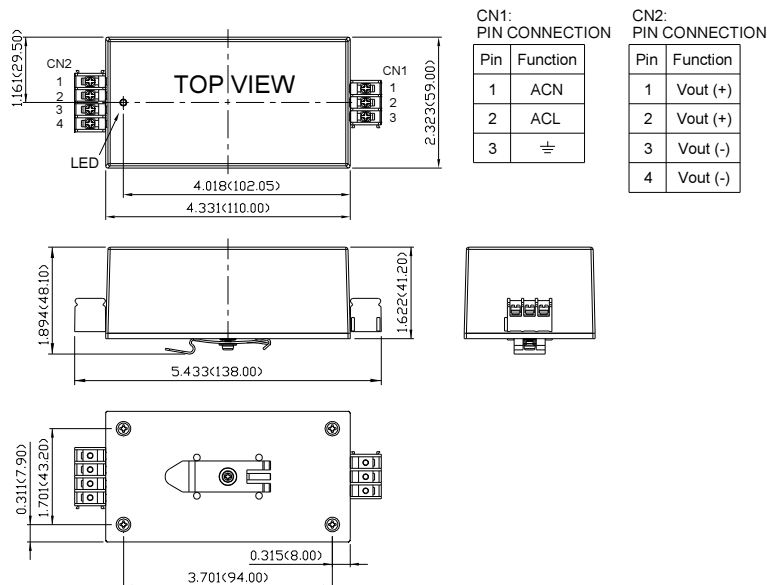


NOTE:

1. Voltage accuracy is set at full load and 25°C Ta.
2. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for ripple&noise measuring @20MHz BW.
3. Line regulation is measured from high line to low line with full load.
4. Load regulation is measured from full to 10% load.
5. Input connector mates with DECA T40MBB27-03 (Pitch 6.35mm) 3pin positions terminal blocks.
6. Output connector mates with DECA T40MBB27-04 (Pitch 6.35mm) 4pin positions terminal blocks.

Mechanical Specification

All Dimensions are in inches(mm)
 Tolerance:Inches:X.XXX±0.02
 Millimeters:X.XX±0.5



Typical at 25°C, nominal line and 75% load, unless otherwise Specified