

# **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

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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 <sub>ac</sub>
	120~370V <sub>dc</sub>
Frequency	47 to 63Hz
Inrush Current	50A max. @240Vac
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%/℃ max

#### **GENERAL SPECIFICATIONS:**

Isolation Input to output = $4,242V_{dc}$
Operating Temperature 0 ~ $70^{\circ}$ C (see Derating Curve)
Storage Temperature20~85°C
Humidity
Cooling Natural Convection
Switching Frequency
MTBF MIL-HDBK-217F, GB, $25^{\circ}\text{C}/115\text{V}_{ac}$ 200Khrs min.
Altitude
Dimensions 5.433x2.323x1.894inches (138.00x59.00x48.10mm)
Weight

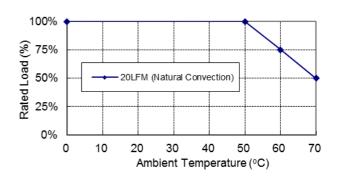
# **SAFETY AND EMC:**

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.
- 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.
- Input connector mates with DECA T40MBB27-03 (Pitch 6.35mm)3pin positions terminal blocks.
- 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

