

# DIN RAIL Series 40/60/100 Watt Single Output

# **Features**

- \* Universal Input Range 90~264VAC
- \* Efficiency up to 90%
- \* Meets EN55022 and CISPR/FCC Class B
- \* 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%

# CFM101CXXX-DR Series

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION	% EFF. (Typ.)	PF (Typ.)
CFM101C120-DR	12 V	8.4 A	1%	±1%	±0.5%	±1%	87%	0.9
CFM101C150-DR	15 V	6.7 A	1%	±1%	±0.5%	±1%	87%	0.9
CFM101C200-DR	20 V	5 A	1%	±1%	±0.5%	±1%	88%	0.9
CFM101C240-DR	24 V	4.2 A	1%	±1%	±0.5%	±1%	88%	0.9
CFM101C480-DR	48 V	2.1 A	1%	±1%	±0.5%	±1%	90%	0.9

## **Specifications**

# CFM40C/60C/101C XXX-DR Series Derating Curve

# **INPUT SPECIFICATIONS:**

Voltage	90~264Vac
Frequency	47 to 63Hz
Inrush Current	. CFM40C/60CXXX-DR 50A max. @240Vac
	CFM101CXXX-DR 90A max. @240Vac
Conducted EMI	CISPR/FCC Class B
Leakage Current	3.5mA max.

#### **OUTPUT SPECIFICATIONS:**

Hold-up Time	CFM40C/60CXXX-DR 8ms typ. @115Vac
	CFM101CXXX-DR 10ms typ. @115Vac
Short Circuit Protection	Hiccup Mode (Auto Recover)
Over Voltage Protection	TVS Component to Clamp
Temperature Coefficient	±0.05%/°C

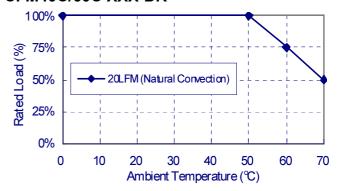
## **GENERAL SPECIFICATIONS:**

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Isolation	Input to output = 4,242VDC
Operating Temperature	CFM40C/60CXXX-DR 0 ~ 70 $^{\circ}$ C (see Derating Curve)
	CFM101CXXX-DR 0 ~ 70 $^{\circ}\mathrm{C}$ (see Derating Curve)
Storage Temperature	20~85℃
Humidity	93% RH max. Non-Condensing
Cooling	Natural Convection
Switching Frequency	CFM40C/60CXXX-DR 66KHz Typical
	CFM101CXXX-DR 100KHz Typical
MTBF MIL	-HDBK-217F, GB, $25^{\circ}$ C/115VAC T.B.D hrs
Altitude	
Dimensions 5.433	x2.323x1.894inches (138.00x59.00x48.10mm)
Weight	475g
OAFETY AND EN	

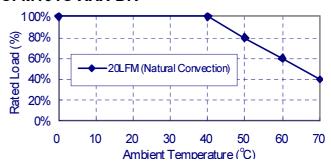
## **SAFETY AND EMC:**

Emission and Immunity ...... EN55032 Class B, FCC Part 15 Class B
EN61000-6-3, EN61000-3-2, EN61000-3-3
EN55024, EN61204-3, EN61000-6-1
Safety ...... IEC60950-1, EN60950-1, UL60950-1

#### CFM40C/60C XXX-DR



#### CFM101C XXX-DR

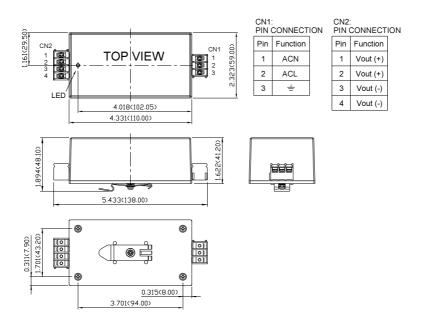


#### NOTE:

- 1. Voltage accuracy is set at full load and 25℃ 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.
- CFM40C/60C/101C Input connector mates with DECA T40MBB27-03 (Pitch 6.35mm) 3pin positions terminal blocks.
- CFM40C/60C/101C Output connector mates with DECA T40MBB27-04 (Pitch 6.35mm) 4pin positions terminal blocks

# CFM40C/60C/101C XXX-DR Series

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



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