

DIN RAIL Series 40/60/100 Watt Single Output



V13

* 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

INPUT SPECIFICATIONS:

Voltage	
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:

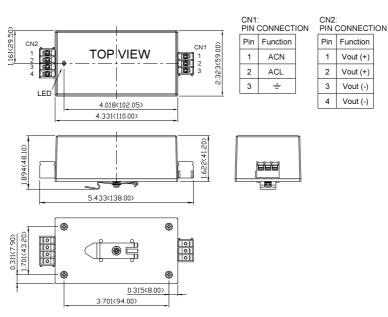
Isolation Input to output = 4,242VDC
Operating Temperature CFM40C/60CXXX-DR 0 ~ 70°C (see Derating Curve)
CFM101CXXX-DR 0 ~ 70°C (see Derating Curve)
Storage Temperature
Humidity 93% RH max. Non-Condensing
Cooling Natural Convection
Switching Frequency CFM40C/60CXXX-DR 66KHz Typical
CFM101CXXX-DR 100KHz Typical
MTBF MIL-HDBK-217F, GB, $25^\circ\!\mathbb{C}/115\text{VAC}$ T.B.D hrs
Altitude 2000m
Dimensions
Weight

SAFETY AND EMC:

Emission and Immunity	EN55032 Class B, FCC Part 15 Class B
E	N61000-6-3, EN61000-3-2, EN61000-3-3
	EN55024, EN61204-3, EN61000-6-1
Safety	IEC60950-1, EN60950-1, UL60950-1

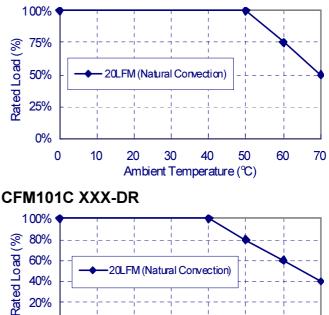
CFM40C/60C/101C XXX-DR Series

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

CFM40C/60C XXX-DR



40% 20% 0% 0 10 20 30 40 50 70 60 Ambient Temperature (°C)

NOTE:

1. Voltage accuracy is set at full load and 25 $^\circ\!\!\mathbb{C}$ 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. CFM40C/60C/101C Input connector mates with DECA T40MBB27-03 (Pitch 6.35mm) 3pin positions terminal blocks.
- 6. CFM40C/60C/101C Output connector mates with DECA T40MBB27-04 (Pitch 6.35mm) 4pin positions terminal blocks

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Cincon:

<u>CFM60C150-DR</u> <u>CFM60C360-DR</u> <u>CFM60C033-DR</u> <u>CFM101C150-DR</u> <u>CFM60C090-DR</u> <u>CFM60C050-DR</u> CFM60C120-DR CFM60C480-DR CFM101C200-DR CFM60C240-DR CFM60C300-DR</u> CFM101C120-DR