



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



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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 $\pm 0.05\%/^{\circ}\text{C}$

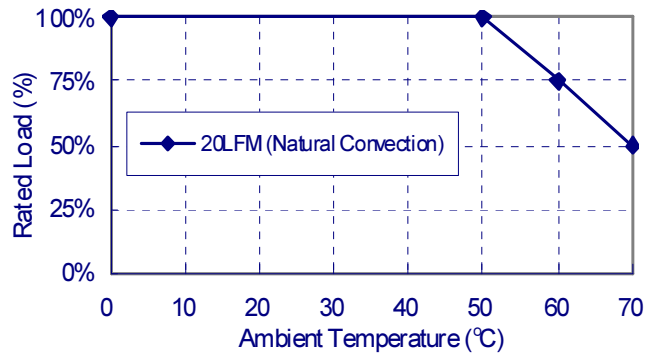
GENERAL SPECIFICATIONS:

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 -20~85°C
 Humidity 93% RH max. Non-Condensing
 Cooling Natural Convection
 Switching Frequency CFM40C/60CXXX-DR 66KHz Typical
 CFM40101CXXX-DR 100KHz Typical
 MTBF MIL-HDBK-217F, GB, 25°C/115VAC T.B.D hrs
 Altitude 2000m
 Dimensions 5.433x2.323x1.894inches (138.00x59.00x48.10mm)
 Weight 475g

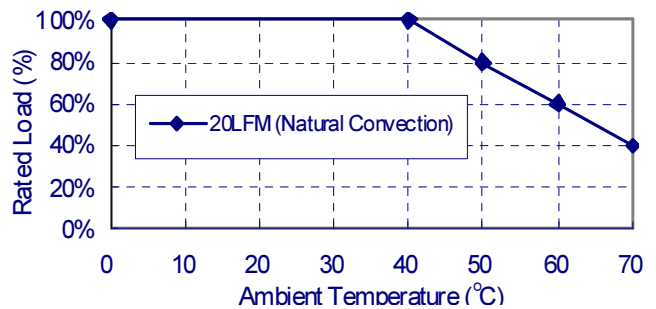
SAFETY AND EMC:

Emission and Immunity EN55022 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

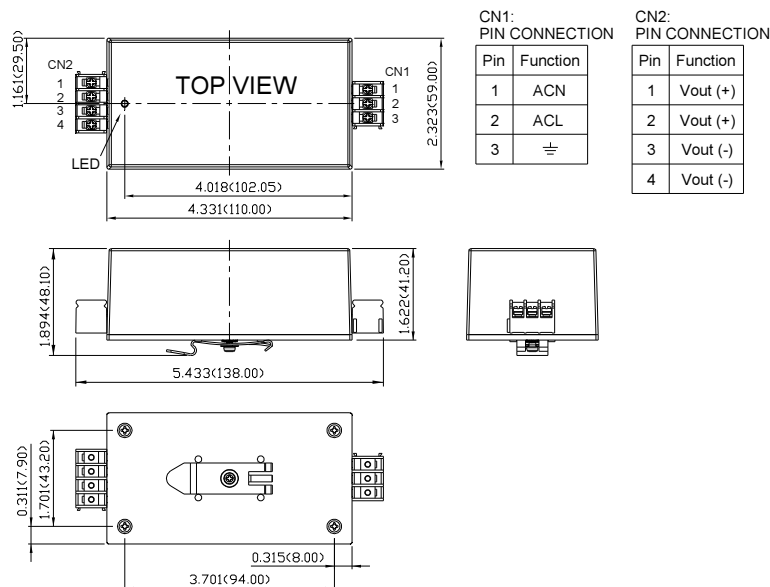


NOTE:

- 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.
- Line regulation is measured from high line to low line with full load.
- 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



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



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