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

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%/℃

GENERAL SPECIFICATIONS:

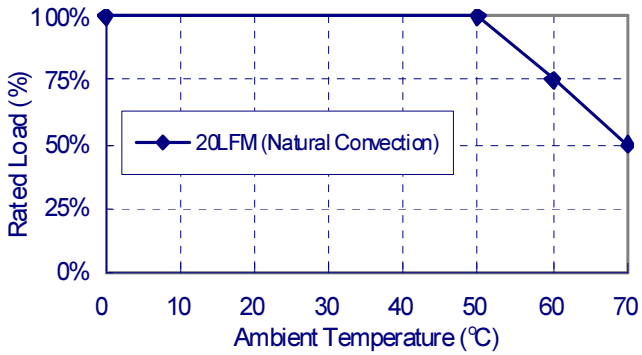
Isolation ..... Input to output = 4,242VDC
Operating Temperature ..... CFM40C/60CXXX-DR 0 ~ 70℃ (see Derating Curve)
CFM101CXXX-DR ..... 0 ~ 70℃ (see Derating Curve)
Storage Temperature ..... -20~85℃
Humidity ..... 93% RH max. Non-Condensing
Cooling ..... Natural Convection
Switching Frequency ..... CFM40C/60CXXX-DR 66KHz Typical
CFM101CXXX-DR 100KHz Typical
MTBF ..... MIL-HDBK-217F, GB, 25℃/115VAC ..... T.B.D hrs
Altitude 2000m
Dimensions 5.433x2.323x1.894inches (138.00x59.00x48.10mm)
Weight 475g

SAFETY AND EMC:

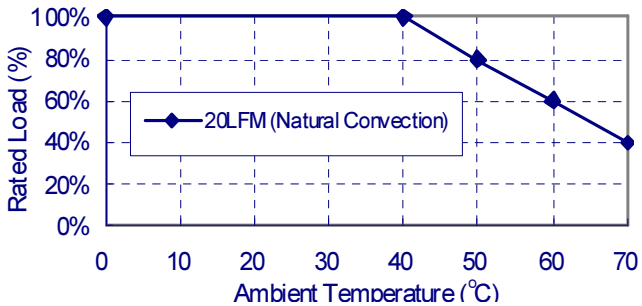
Emission and Immunity ..... EN55032 Class B, FCC Part 15 Class B
EN61000-6-3, EN61000-3-2, EN61000-3-3
EN55024, EN61204-3, EN61000-6-1
Safety IEC60950-1, EN60950-1, UL60950-1

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

CFM40C/60C XXX-DR



CFM101C XXX-DR

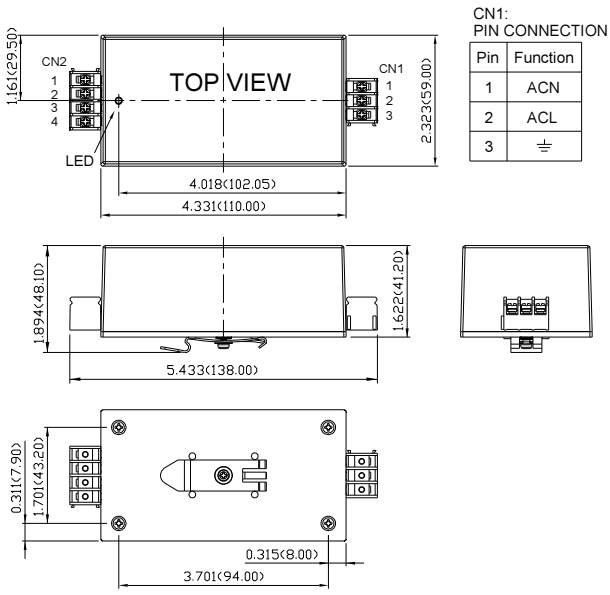


NOTE:

1. Voltage accuracy is set at full load and 25℃ 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

CFM40C/60C/101C XXX-DR Series

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



CN1:
PIN CONNECTION

Pin	Function
1	ACN
2	ACL
3	⏚

CN2:
PIN CONNECTION

Pin	Function
1	Vout (+)
2	Vout (+)
3	Vout (-)
4	Vout (-)

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