



40 Watt AC/DC Power Supply, DIN RAIL Series DVC40-DR



Features

- Wide Input Range 90 – 264 VAC
- Single Output
- Efficiency up to 87%
- Meets EN55032 and CISPR/FCC Class B
- LED Indicator for Power ON
- DIN Rail TS-35/7,5 or 15
- Continuous Short Circuit Protection
- EN/IEC/UL62368-1 Approved

MODEL NUMBER	INPUT VOLTAGE RANGE [VAC]	OUTPUT VOLTAGE [VDC]	OUTPUT CURRENT [A] MAX.	EFF. [%] TYP.	CASE [mm]
DVC40-3,3-DR	90 – 264	3,3	6,0	70	138x59x48,10
DVC40-05-DR		5	6,0	76	
DVC40-09-DR		9	4,45	84	
DVC40-12-DR		12	3,34	85	
DVC40-15-DR		15	2,67	85	
DVC40-24-DR		24	1,67	85	
DVC40-30-DR		30	1,33	86	
DVC40-36-DR		36	1,11	87	
DVC40-48-DR		48	0,834	87	

Technische Änderungen vorbehalten / Technical change reserved without notice

INPUT SPECIFICATIONS:

Input Voltage Range.....	90 – 264 VAC
Input Frequency.....	47 - 63Hz
Inrush Current..... at 240VAC	50A max.
Leakage Current	3,5mA max.
Conducted EMI.....	CISPR/FCC Class B

OUTPUT SPECIFICATIONS:

Output Voltage Accuracy	±1,0%
Ripple & Noise (≤20MHz BW)	Vo 3,3V 50mV p-p
..... Vo Other	1,0%
Line Regulation..... High Line to Low Line with full load	±0,5%
Load Regulation	Full to 10% load ±1,0%
Hold-up Time	8 msec. at 115Vac typ.
Short Circuit Protection	Hiccup Mode (Auto Recovery)
Over Voltage Protection	TVS Components to Clamp
Temperature Coefficient.....	0,05%/°C

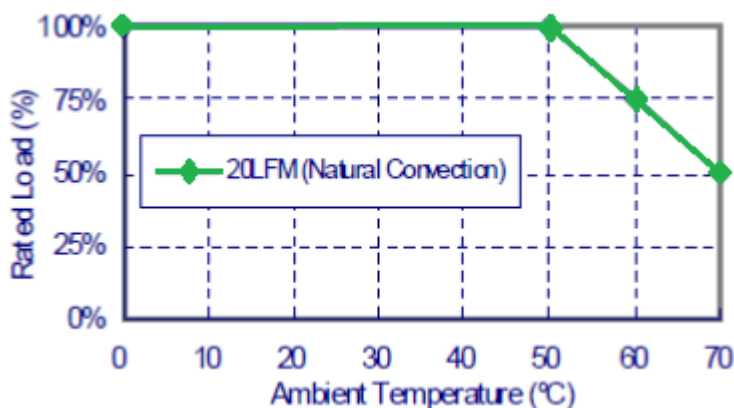
GENERAL SPECIFICATIONS:

Efficiency	see table
Isolation Voltage I/O.....	4242 VDC
Switching Frequency	66 KHz typ.
Operating Ambient Temperature Range	0°C to 70°C (see derating curve)
Storage Temperature Range	-20°C to +85°C
Humidity.....	93% RH max. Non condensing
Cooling.....	Natural Convection
Altitude.....	2000m
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 EN/IEC/UL60950-1 / EN/IEC/UL62368-1
Safety (approved).....	
Dimension (L x W x H)	138,00 x 59,00 x 48,10 (mm)
Weight.....	475g typ.

Note:

1. Voltage accuracy is set at 100% full load and 25°C Ta.
2. Add a 0,1µF ceramic capacitor and a 10µF E.L. capacitor to output for Ripple & Noise measuring at 20MHz BW.
3. Input Connector mates with DECA T40MBB27-03 (pitch 6,35mm) 3pin positions terminal blocks.
4. Output Connector mates with DECA T40MBB27-04 (pitch 6,35mm) 4pin positions terminal blocks.
5. Typical at 25°C, nominal line and 75% load, unless otherwise Specified

Derating Curve



All Dimensions in inches(mm)
 Tolerance: Inches: $\pm x.xxx = \pm 0.02$
 Millimeters: $x.xx = \pm 0.5$

