

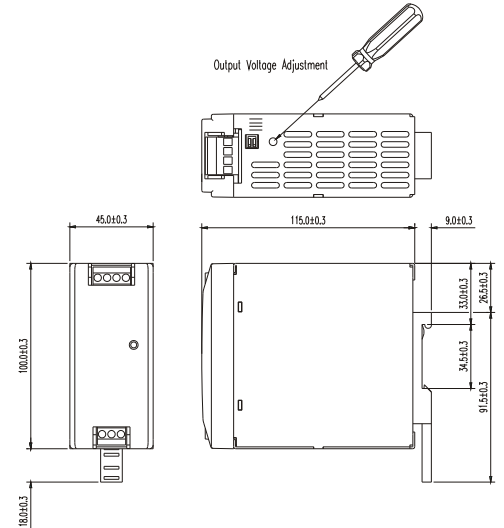
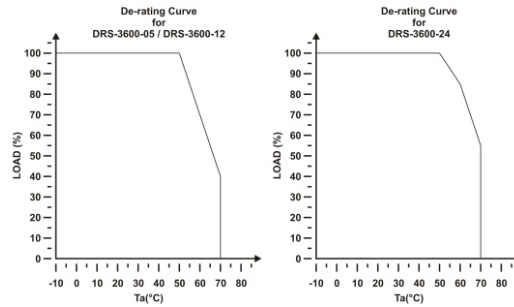
DIN RAIL MOUNT & RACK MOUNT

DPD-Series

36W Din-Rail Switching Mode Power Supply



DRS-3600-Series



Description

This range of compact DIN mounted switching mode power supplies are designed for a wide range of control equipments which demands good quality regulated DC power source with excellent EMC immunity and electrical performance in an industrial environment. Up to 5 units can be connected in parallel.

Specifications

MODEL	DRS-3600-05	DRS-3600-12	DRS-3600-24
Voltage Range	90-264VAC		
Frequency Range	47-63Hz~		
Full Load AC Current	0.8A@100VAC ; 0.5A@230VAC		
No Load AC Current	40mA@100VAC ; 50mA@230VAC		
Inrush Current, Cold Start @ 25°C*	25A@100VAC ; 50A@230VAC		
Leakage Current	2mA		
Efficiency	≥75%	≥81%	≥83%
OUTPUT			
Nominal DC Voltage	5V	12V	24V
Voltage Adjust Range	4.2-6V	10.5-14V	22.5-28V
Rated Current	7.2A	3A	1.5A
Rated Power	36W		
Ripple & Noise (peak-peak)**	≤50mV		
Line Regulation	≤0.2%		
Load Regulation (10%-100%)	≤0.8%	≤0.3%	≤0.3%
Hold-up Time (Full Load)	>20mSec@100VAC ; >30mSec@230VAC		
Parallel Operation	5 units max. user selectable		
PROTECTION			
Over Load / Over Current	8-10A C.C. Auto-restart	3.5-4.5A C.C. Auto-restart	1.7-2.2A C.C. Auto-restart
Over Output Voltage	6.5-10VDC	15-20VDC	30-35VDC
SAFETY & EMC			
Safety Standard	EN 60950		
Withstand Voltage	I/P - O/P 3KVAC I/P - F/G 1.5KVAC O/P - F/G 0.5KVAC		
Insulation Resistance	I/P - O/P I/P - F/G O/P - F/G 100Mohm and 500VDC		
EMI Radiation & Conduction	EN 55022 Class B		
Harmonics Current	EN 61000-3-2, 3		
EMC Immunity	EN 61000-4-2, 3, 4, 5, 6, 8, 11 EN 55024		
ENVIRONMENT			
Working Temperature	EN 60950: -10°C to +60°C (UL508: 0 to 40°C)		
Derating above 50°C	See Derating Curve		
Working Humidity	20-90 RH Non-condensing		
Storage Temperature Humidity	-10°C to +80°C 20-90 RH Non-condensing		
GENERAL			
Switching Frequency @ Full Load	65-85KHz~		
Case Material	Electro-Galvanized Steel & Aluminum Enclosure and Poly-carbonate Front Panel		
Safety Class	Degree of Protection 1 (IEC 5360)		
Case Protection	IP20 (IEC 529)		
Mounting	Snap on type with self locking can be installed on 35mm Din-Rails / 7.5 or 15		
Connection	Screw terminals with double terminals for output		
Remark	*Ta=25°C Cold Start **100MHz Band Width Scope		

■ All values are based on the Standard ambient Temperature 25°C and Pressure 0.1Mpa.

■ SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE