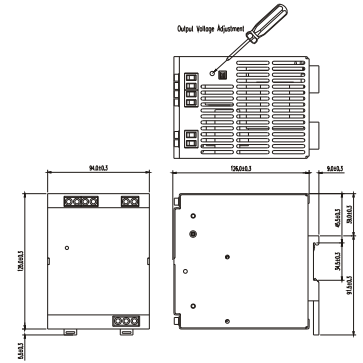
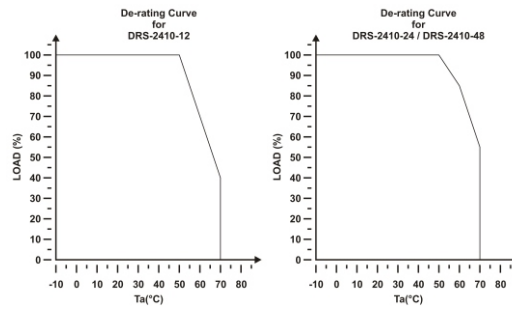


DRS-Series

240W Din-Rail Switching Mode Power Supply



DRS-2400-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.

The remote sensing terminals are used to compensate for output line losses so that a precise regulation can be achieved for critical voltage application away from the power supply.

Specifications

MODEL	DRS-2410-12	DRS-2410-24	DRS-2410-48
Voltage Range	90-130VAC ; 180-260VAC		
Frequency Range	47-63Hz~		
Full Load AC Current	5A@100VAC ; 1.9A@230VAC	4.9A@100VAC ; 1.7A@230VAC	4.9A@100VAC ; 1.7A@230VAC
No Load AC Current	100mA@100VAC ; 140mA@230VAC		
Inrush Current, Cold Start @ 25°C*	32A@100VAC ; 58A@230VAC		
Leakage Current	2mA		
Power Factor	min. 70%		
Efficiency	84%@100VAC ; 85%@230VAC	88%@100VAC ; 88%@230VAC	88%@100VAC ; 88%@230VAC
OUTPUT			
Nominal DC Voltage	12V	24V	48V
Voltage Adjust Range	10-14V	22.5-28V	44-53V
Rated Current	20A	10A	5A
Rated Power	240W		
Ripple & Noise (peak-peak)**	≤50mV		
Line Regulation	≤0.2%		
Load Regulation (10%-100%)	≤0.5%	≤0.3%	≤0.3%
Hold-up Time (Full Load)	>30mSec@100VAC ; >40mSec@230VAC		
Parallel Operation	5 units max. user selectable		
PROTECTION			
Over Load / Over Current	21-22A C.C. Auto-restart	10.8-11.6A C.C. Auto-restart	5.6-6.2A C.C. Auto-restart
Over Output Voltage	16-18.5VDC	30-35VDC	63-68VDC
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	45-55KHz~		
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