



Switch mode power supply
Wide supply voltage
DIN rail mounted
Output 24VDC
Maximum output current of 4.5A

Introduction

The DRM-PS 24/4.5 is a useful compact general purpose switch mode power supply with a 24VDC output and a maximum load of 4.5 Amps. It is DIN rail mountable

- * Wide AC input range
- * Short circuit, Overload, Over voltage protected
- * Built in EMI filter, low ripple noise
- * CE, UL, TUV approvals
- * Mounts on standard DIN rails

General Ratings

Storage temperature	-20 to +70 °C
Operating temperature	-10 to +60 °C
Weight	820g
Dimensions	122.6 mm wide 207 mm long 63 mm high
Supply voltage	85 to 132 VAC or 176 to 264 VAC (selectable) at frequency 47 to 63 Hz
Supply current	1.9A at 115VAC, 1A at 230VAC
Supply inrush current	20A at 115VAC, 40A at 230VAC
Output voltage	24VDC (adjustable +/- 10%)
Output current	Maximum load 4.5A
Output ripple voltage	150mV pk - pk
Line regulation	+/- 0.2%
Load regulation	+/- 0.2%
Rise/Hold up time	30mS/15mS
Overload protection	105% to 150% rated load current, automatic recovery
Over voltage protection	115% to 135%
Dielectric strength	3KV I/P - O/P (1 Min)
Conforms to safety standards	UL1012, TUV EN60950, IEC950, UL1950
Conforms to EMC standards	CISPR22 (EN55022), IEC801-234, IEC555-2, CISPR22
Unit Mounting	The unit can be mounted on standard DIN rail profiles conforming to EN50 045, EN50 035 and EN50 022 standards
Housing	Polyamide PA and PVC, UM 108 Phoenix Contact. Inflammability class V0 (UL94)



Terminal Connections

<u>Terminal</u>	<u>Description</u>	<u>Notes</u>
L (AC)	Live	Live connection to mains supply.
N (AC)	Neutral	Neutral connection to mains supply.
G (AC)	Earth	Earth connection to mains supply.
COM	DC 0V	0V connection to equipment.
+V	DC 24V	24VDC connection to equipment.

Further Information

V ADJ This potentiometer allows +/- 10% adjustment of the output (24VDC) voltage.

Other Options

See separate data sheets panel mounting versions and also 1.1 Amp 24VDC and 2.5 Amp 24VDC output versions



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Order Codes

Part Number
DRM-PS 24/4.5

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