



## SPECIFICATION

All Specifications Typical At Nominal Line, Full Load, 25°C Unless Otherwise Noticed

### OUTPUT SPECIFICATIONS

Characteristics	Conditions	min.	typ.	max.	unit	
Output voltage accuracy	$V_i$ nom, $I_o$ min ... $I_o$ nom			$\pm 1$	%	
Minimum load	$V_i$ nom	0			%	
Line regulation	$I_o$ nom, $V_i$ min ... $V_i$ max			$\pm 1$	%	
Load regulation	$V_i$ nom, $I_o$ min ... $I_o$ nom			$\pm 2$	%	
Transient recovery time	50% load step changed		300		$\mu$ S	
Temperature coefficient	$V_i$ nom, $I_o$ min			$\pm 0.02$	% / °C	
Ripple & noise	$V_i$ nom, $I_o$ nom, BW = 20MHz			50	mV	
Hold up time	$I_o$ nom	$V_i = 115VAC$	20		ms	
		$V_i = 230VAC$	75		ms	
Voltage trim range	$V_i$ nom, $I_o$ nom	5V ...15V models	- 10		+ 15	%
		24V model	- 10		+ 20	%
DC ON indicator threshold at start up	$V_i$ nom, $I_o$ nom	5V model	4.5			VDC
		12V model	10.8			VDC
		15V model	13.5			VDC
		24V model	21.6			VDC
DC LOW indicator threshold after start up	$V_i$ nom, $I_o$ nom	5V model	3.75		4.5	VDC
		12V model	9		10.8	VDC
		15V model	11.25		13.5	VDC
		24V model	18		21.6	VDC
Efficiency	$V_i$ nom, $I_o$ nom, $P_o$ / $P_i$	Up to 77%, See model list				

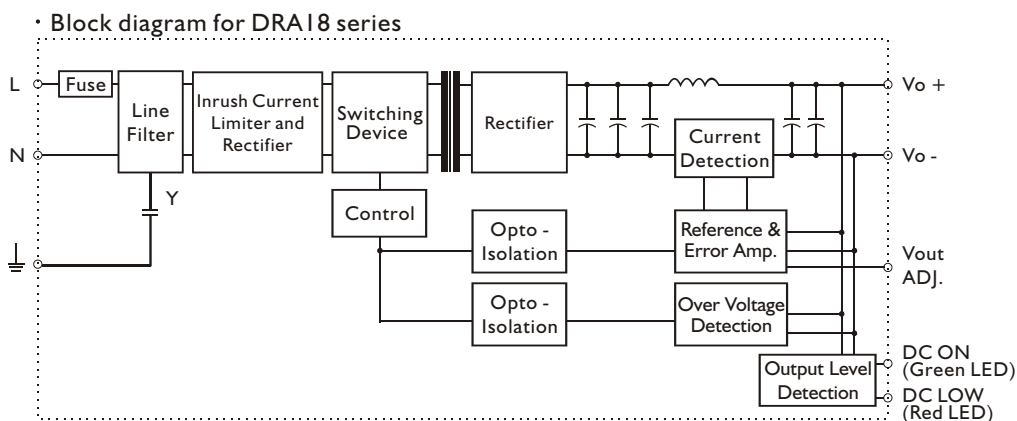
### CONTROL AND PROTECTION

Characteristics	Conditions	min.	typ.	max.	unit
Input fuse		T2A / 250VAC internal			
Rated over load protection	$V_i$ nom	110		135	%
Over voltage protection	$V_i$ nom, $I_o$ nom	125		145	%
Output short circuit	$V_i$ nom, $I_o$ nom	Hiccup mode			

### APPROVALS AND STANDARDS

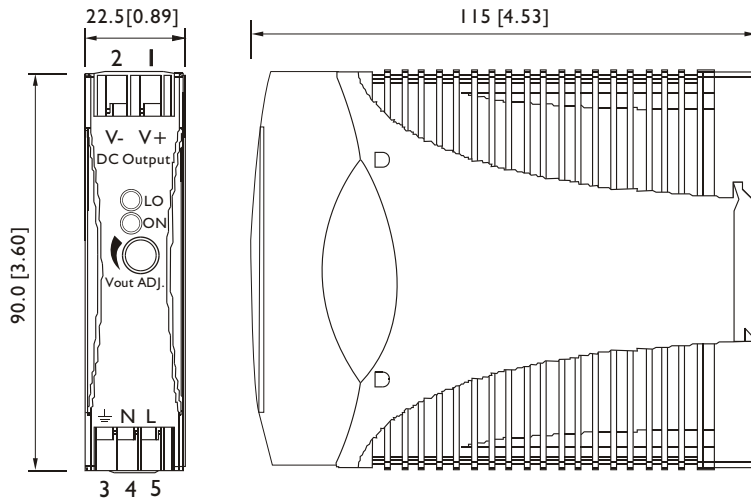
UL / cUL	UL508 / UL1310 Listed, Class 2 Power Supply
TUV	EN60950
CE	EN50081-1 / EN55022 for EMI
	EN50082-1 / EN55024 for EMS
FCC	Class B

### CIRCUIT SCHEMATIC



## MECHANISM & PIN CONFIGURATION

mm [inch]



### CONSTRUCTION

Easy snap-on mounting onto the DIN-Rail (TS35/7.5 or TS35/15), unit sits safely and firmly on the rail; no tools required even to remove

### INSTALLATION

Ventilation / Cooling  
 Normal convection  
 Above/below 25m/m free space  
 For cooling recommended  
 Connector size range  
 Solid:0.2-2.0mm<sup>2</sup>(AWG24-14)  
 (use copper conductors only)

## PHYSICAL CHARACTERISTICS

CASE SIZE	90 x 22.5 x 115 mm 3.6 x 0.89 x 4.53 inches
CASE MATERIAL	Plastic
WEIGHT	150 g

## PIN ASSIGNMENT

PIN NO.	Designation	Description
1	V +	Positive output terminal
2	V -	Negative output terminal
3	⊥	Ground this terminal to minimize high-frequency emissions
4	N	Input terminals (neutral conductor, no polarity at DC input)
5	L	Input terminals (phase conductor, no polarity at DC input)
	ON	Operation indicator LED
	LO	DC LOW indicator LED
	Vout ADJ.	Trimmer-potentiometer for Vout adjustment

## DERATING

