Industrial Test Renewable Broadcast

15W to 100W Single Output DIN Rail Mount Power Supplies

Features	Benefits
• Compact Footprint	• Saves Space on Rail & Cabinet Cost
• Efficiency up 91%	• Cooler Applications - Improved Thermal Performance
• ErP Compliant Design	• Better "Environmental Footprint"

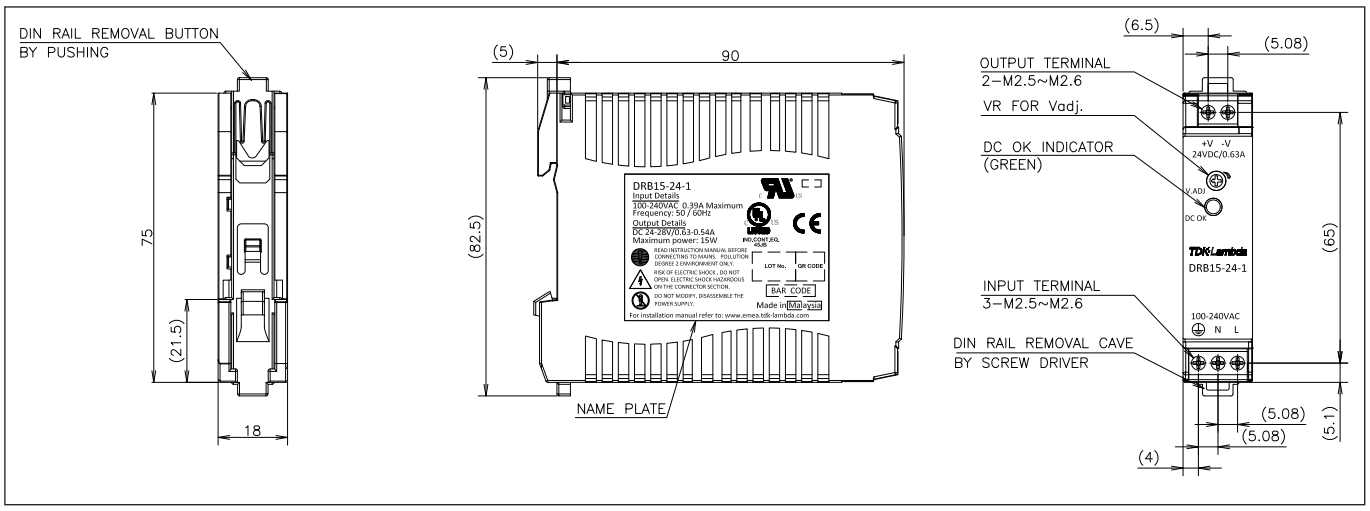
Specification

Model		DRB15	DRB30	DRB50	DRB100
ITEMS					
AC input voltage range	VAC	85-264 (withstand 300VAC for 5 sec)			
Input frequency	Hz	47-63			
Inrush cold (typ)	A	35A	40A	50A	40A
Power factor (typ) (110/230VAC)		0.55/0.42	0.56/0.46	0.6/0.5	0.98/0.93
Input current (typ)	A	0.27/0.17	0.55/0.33	0.9/0.55	1.2/0.6
Output voltage	V	24	12 / 24	5 / 12 / 24 / 48	24
Output current	A	0.63	2.5 / 1.25	6 /3.4 / 2.1 / 1.05	4.2
Line regulation	mV	240	120 / 240	50 / 150 / 240 / 480	240
Load regulation	mV	240	120 / 240	50 / 150 / 240 / 480	240
Ripple & noise (max) (typ)	mV	20	40 / 30	30 / 20 / 30 / 40	30
Over current protection		Hiccup with auto recovery			
Over voltage protection (1)		5V: 115%-135%, 12V: 133%-156%, 24V: 125%-140%, 48V: 112%-142% (latch mode)			
Hold up time (230VAC)	ms	20 @100VAC, full load, 25°C			
Efficiency (typ) (230VAC)	%	90	88 / 90	80 / 90 / 90 / 91	91
Average efficiency (230VAC)	%	88	87/89	5V:n/a, 12V:88, 24V:87, 48V:87	87
No load power	W	<0.3	<0.3	<0.3	<0.5
Parallel operation		Not available			
Serial operation		Possible			
LED indicators		DC OK signal - green			
Operating temperature (2, 3, 5)	°C	-20°C to +70°C (see derating curves)			
Storage temperature	°C	-40°C to +85°C			
Operating humidity		5-95% RH (non condensing)			
Cooling (4)		Convection			
Withstand voltage		Input - Output : 3.0kVAC (20mA), Input - FG : 1.5kVAC (20mA)			
		Output - FG : 500VAC (100mA) 1 min.			
Isolation resistance	MΩ	Input-FG, Input-Output & Output-FG: More than 100MΩ (500VDC) at 25°C and 70%RH			
Vibration		Non-operating,10-55Hz(sweep for 1 min.):19.6 m/s^2 (2G) Constant, X,Y,Z each 1hr			
Shock		294m/s2(30G) 11ms half sine			
Safety agency approvals		UL60950-1, CSA22.2 No.60950-1 (2nd edition), EN60950-1, UL508			
Emissions		EN55022, CISPR22 class B			
Immunity		EN61000-4-2,-3,-4,-5,-6,-8,-11			
Weight (typ)	g	85	95	175	300
Size (W x H x D)	mm	18 x 75 x 90	21x75x90	30x75x90	45x75x100
Case material		Flame Retardant Polycarbonate (UL94 V-0)			
Warranty	yrs	3			

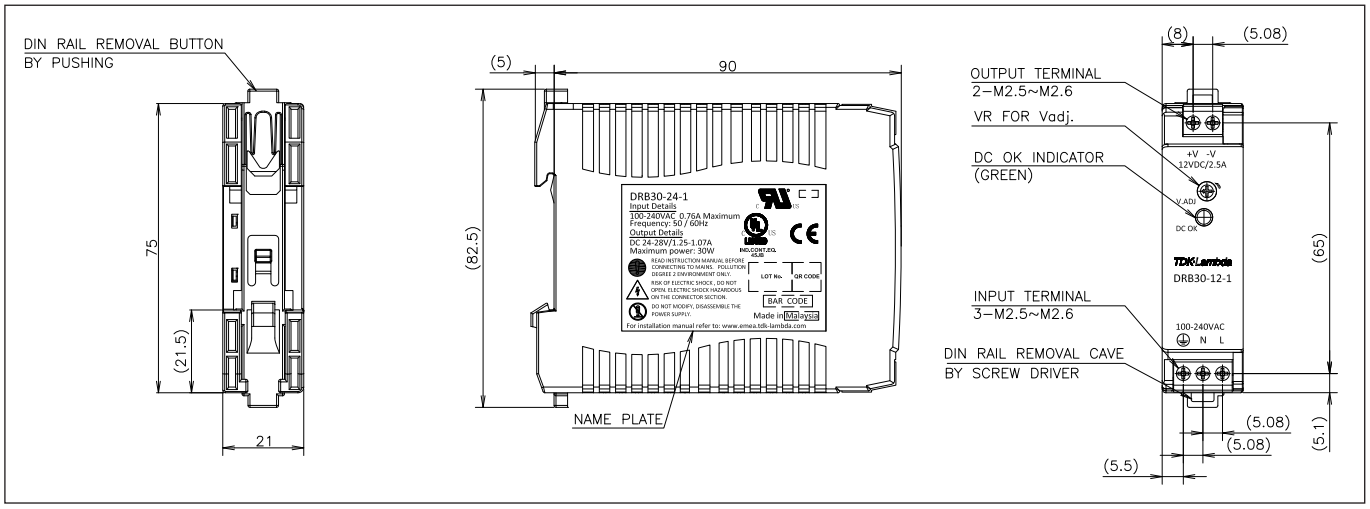
Notes:

1 Output will shutdown, manual reset required (power off then on)
2 Refer to output derating curves
3 For UL508 operating temperature refers to surrounding air temperature
4 See installation instructions for mounting orientation
5 Low temperature start up: -40°C typical

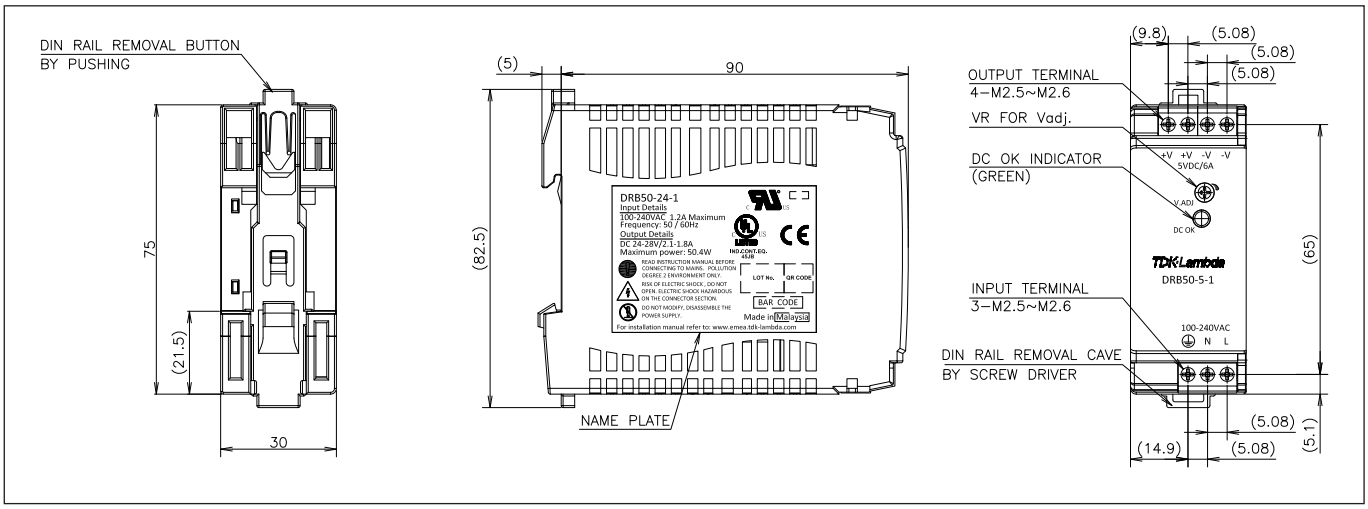
Outline Drawing DRB15 Series



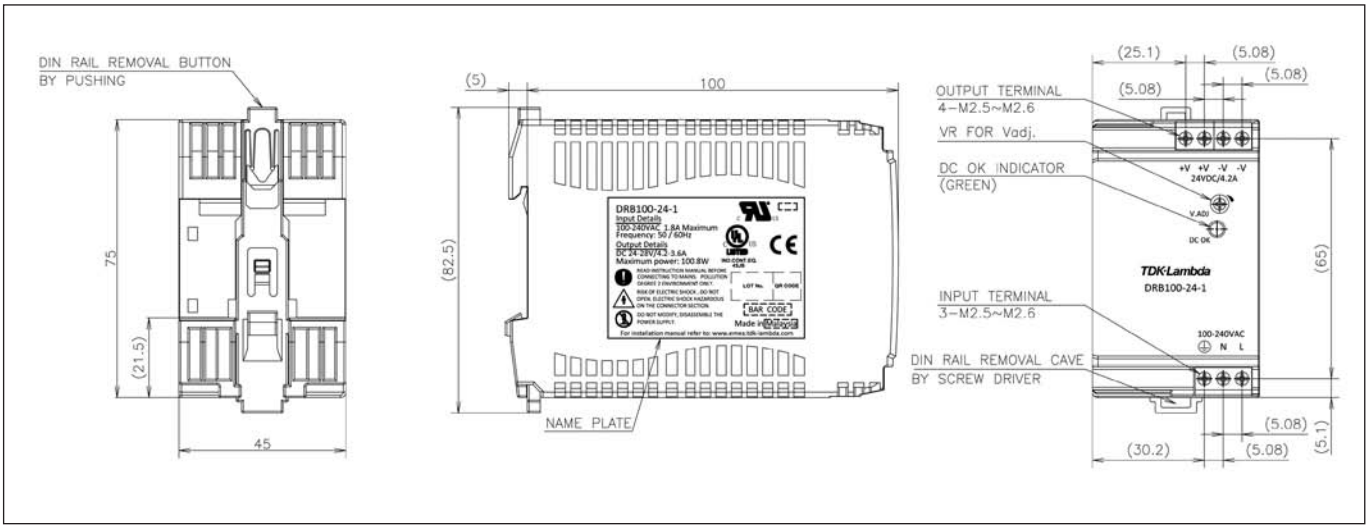
Outline Drawing DRB30 Series



Outline Drawing DRB50 Series



Outline Drawing DRB100 Series



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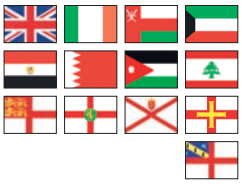

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