



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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40-65W 90-305V AC-DC Power Supplies

Features

- ◆ Accepts 115/230/277VAC Nominal Inputs
- ◆ DIN Rail Mount Option
- ◆ Global Safety Agency Compliance
- ◆ <150mW Off-Load Power Consumption
- ◆ DOE Efficiency Level VI, ErP Tier 2
- ◆ Class 2 24V Model to UL1310



Key Market Segments & Applications



Specifications		
Model	CSW65	
Input Voltage range	-	90 - 305VAC (47 - 63Hz)
Inrush Current (230VAC)	A	Less than 65A, 25°C ambient cold start
Input Current (115/230VAC)	A	2 / 1
Hold Up Time (Typ)	ms	>10ms at 115VAC input
Off-Load Power Consumption	W	<150mW
Average Efficiency	%	5V: 87.2%, 12-54V: 89%
Temperature Coefficient	%/°C	±0.05%/°C
Output Voltage Accuracy	%	±1%
Output Adjustment Range	-	None
Remote Sense	-	No
Minimum Load	A	None
Output Regulation	%	5-24V: ±3%, 28-54V: ±2%
Ripple & Noise	%	See Model Selector
Overcurrent Protection	-	105 - 160%, Auto-Recovery
Overvoltage Protection	V	See Model Selector (Cycle AC to reset)
Operating Temperature	°C	-10 to +70°C derate linearly to 50% load from 50 to 70°C*
Storage Temperature	°C	-20 to +85°C
Humidity (non condensing)	%RH	5 - 95%RH
Cooling	-	Convection
Withstand Voltage	VAC	Input to Ground 1.5kVAC, Input to Output 3kVAC Output to Ground 500VDC
Isolation Resistance	MΩ	>20MΩ at 25C & 70%RH, Output to Ground 500VDC
Vibration (non operating)	-	23.52m/s ² (10 - 55Hz: constant sweep 1 min X, Y, Z for 1 hour)
Shock	-	< 196.1 m/s ² (20G)
Safety Agency Certifications	-	UL/CSA/IEC/EN60950-1, UL1310 Class 2 (1), CE Mark
Conducted & Radiated EMI	-	EN55032-B, FCC Class B
Immunity	-	EN55024
Weight (Typ)	g	U channel: 250, /A: 270, /D: 290
Size (WxLxH) U-Channel	in	2.5 x 4.75 x 1.5"
	mm	63.5 x 120.7 x 38.1mm
Warranty	yrs	Three Years

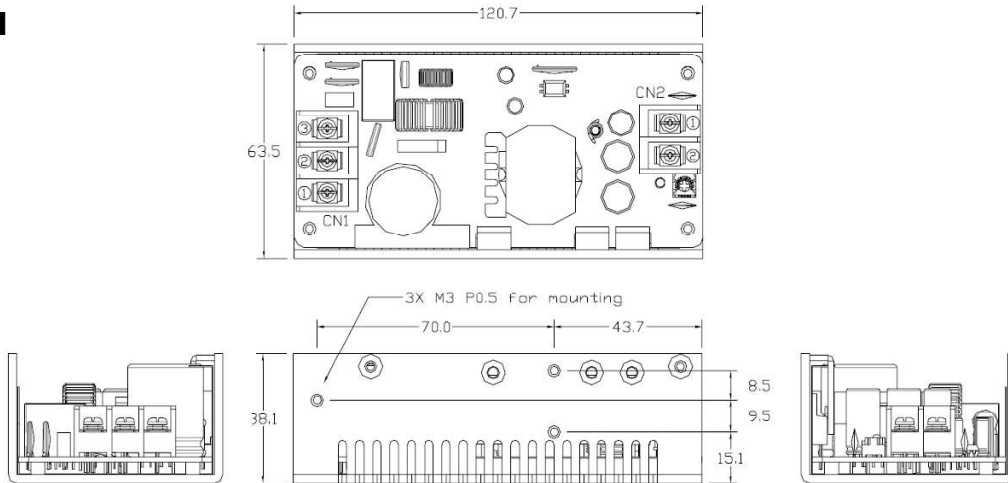
Note:

* Derate linearly to 90% load from 0°C to -10°C

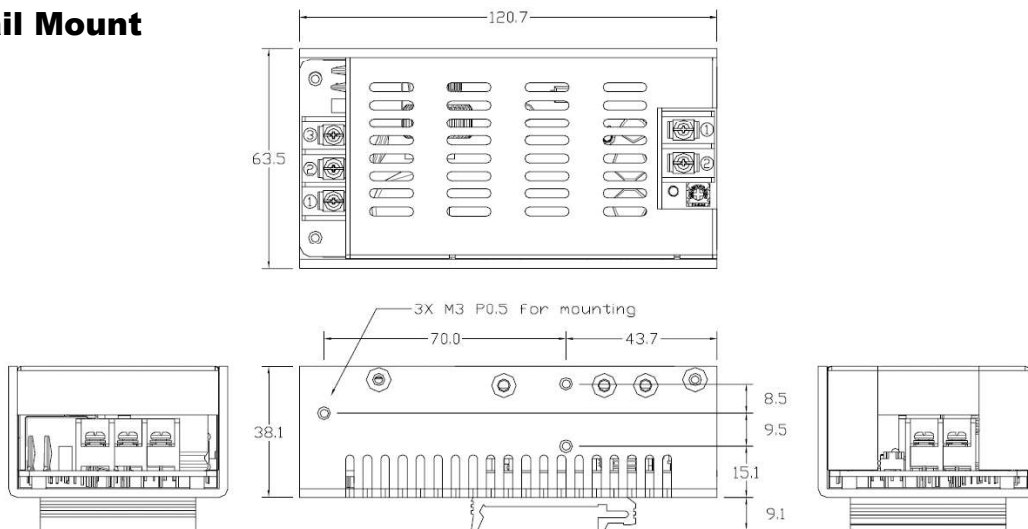
(1) NEC Class 2 in accordance with UL1310. CSW65-24 only)

Outline Drawings

U Channel



/D DIN Rail Mount



Model Selector

Model	Output (V)	Maximum Output (A)	Maximum Power (W)	Ripple and Noise (mV)	Oversoltage (V)
CSW65-5	5	8.0	40	100	6 - 8
CSW65-12	12	5.42	65	120	13.2 - 15.6
CSW65-15	15	4.34	65	150	16.5 - 19.5
CSW65-18	18	3.62	65	180	19.8 - 23.4
CSW65-24	24	2.71	65	240	26.4 - 31.2
CSW65-28	28	2.33	65	280	30.8 - 36.4
CSW65-48	48	1.36	65	280	52.8 - 62.4
CSW65-54	54	1.21	65	280	59.4 - 64.8

Options

Suffix	Description
Blank	U-Channel
/A	U-Channel & Cover
/D	U-Channel, Cover & DIN Rail Bracket

For Additional Information, please visit us.tdk-lambda.com/lp/products/csw-series.htm

