



Auxiliary Power Supplies Ultra-Wide Input Range

KRP-15-XX

The KRP-15-XX series is one of KRITSNAM's Din Rail Mount enclosed auxiliary power supplies. It features wide input voltage, taking both DC and AC input voltage, low power consumption, high efficiency, high reliability, safer isolation. The isolation voltage is 4000VAC between input and output. Used in such as electrical, instrumentation industries, Suitable for demanding high isolation voltage and strict electromagnetic compatibility of various terminal applications.

Salient Features:

- Ultra-wide Input Voltage Range 90 to 300VAC/100-400VDC
- Electrical Safety Surge IEC61000-4-5 (6KV)
- Regulated Output, Low ripple & Noise.
- Operating temperature - 40°C to +70°C
- Output short circuit, over-load, over-voltage protection
- Din Rail Mount / Panel Mount
- Leading supplier for major OE manufactures.
- products come with a 3-year warranty against all manufacturing defects

Ordering Code:

KRP-15-XX

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1	COMPANY'S NAME & Single Phase input
2	RATED OUTPUT POWER (WATT)
3	RATED OUTPUT VOLTAGE DC

SPECIFICATIONS:

MODEL		KRP-15-5	KRP-15-12	KRP-15-15	KRP-15-24
OUTPUT	DC Voltage	5.0V	12.0V	15.0V	24.0V
	Load Current	3.0A	1.25A	1.0A	0.625A
	Rated Power	15W			
	Ripple & Noise	40mVp-p	96mVp-p	98mVp-p	110mVp-p
	Line Regulation	± 1%			
	Load Regulation	<1% (90-300V AC)			
	Setup, Rise Time	2000ms, 90ms/230VAC at full load			
	Hold Up Time (Typ.)	20 msec at 230VAC			
INPUT	Voltage Range	90 to 300VAC (single phase)			
	Frequency Range	47 - 63Hz			
	Efficiency (Typ.)	>80 %			
	Inrush Current (Typ.)	15A max at 230			
	Leakage Current	<3.5mA/ 240VAC			
PROTECTION	Overload	Shutdown type unit restarts after recycling the mains			
	Overvoltage	Protection type: Shut down o/p voltage, re-power on to recover			
ENVIRONMENT	Working Temperature	-40 ~ + 70 °C (Refer to "Derating Curve")			
	Working Humidity	20 ~ 90% RH non-condensing			
	Storage Temp., Humidity	-20 ~ +85° C, 10 - 95% RH			
	Temp. Coefficient	+0.03%/°C (0 - 50 °C)			
	Vibration	10 - 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes			
EMC & SAFETY	Safety Standards	Designed as per UL950			
	Withstand Voltage	IEC61000-5 (6KV) between L & N			

	EMC Emission	pending
	EMC Immunity	Pending
	Dimension	90*60*32mm (L*W*H)

MECHANICAL DRAWING:

