



Auxiliary Power Supplies Ultra-Wide Input Range

KR3P-15-XX

The KR3P-15-XX series is one of KRITSNAM's Din Rail Mount enclosed auxiliary power supplies. It features ultra-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 528VAC/100-745VDC (3 phase 4 wire / 3 wire Input Support)
- Can work on single phase with neutral / 2-phase / 3 phase 4 wire / 3 Phase 3 wire Input.
- Regulated Output, Low ripple & Noise.
- Operating temperature - 40°C to +70°C
- Output short circuit, over-load, over-voltage protection
- Din Rail Mount
- Leading supplier for major OE manufactures.
- products come with a 3-year warranty against all manufacturing defects

Ordering Code:

KR3P-15-XX

↓ ↓ ↓
1 2 3

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

SPECIFICATIONS:

MODEL		KR3P-15-5	KR3P-15-12
OUTPUT	DC Voltage	5.0V	12.0V
	Load Current	3A	1.25A
	Rated Power	15W	15W
	Ripple & Noise	40mVp-p	96mVp-p
	Line Regulation	$\pm 1\%$	
	Load Regulation	<1% (90-528V AC)	
	Setup, Rise Time	1000ms, 90ms/415VAC 2000ms, 90ms/230VAC at full load	
	Hold Up Time (Typ.)	20 msec at 415VAC	
INPUT	Voltage Range	90 to 528VAC (single phase with neutral / 2-phase / 3 phase 4 wire / 3 Phase 3 wire)	
	Frequency Range	47 - 63Hz	
	Efficiency (Typ.)	>80 %	
	Inrush Current (Typ.)	30A max at 415VAC	
	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	N/A pending	

	EMC Emission	pending
	EMC Immunity	Pending
	Dimension	135*90*25mm (L*W*H)

MECHANICAL DRAWING:



