VXT-DRI-240-24

DIN Rail Mount Industrial Power Supply

24V DC | 10A | 240W

Product Overview

The VXT-DRI-240-24 is a 240W single output DIN rail mount switching power supply with universal AC input (85-264VAC). Designed for industrial automation, control panels, and PLC systems.

Key Features

- ✓ Universal AC input: 85-264VAC (47-63Hz)
- ✓ High efficiency up to 86% (typical)
- ✓ Built-in active PFC function
- ✓ Metal mesh enclosure for superior heat dissipation
- ✓ Fanless operation: -10°C to +60°C
- ✓ Overload, overvoltage, short circuit & OTP protection
- ✓ Output voltage adjustable via trim pot (±10%)
- ✓ DC OK LED indicator
- ✓ DIN rail TS-35/7.5 or 15 mounting
- ✓ Compact size: 63 x 125 x 113 mm

Applications

Industrial Automation • PLC & Control Panels • Packaging Machinery • CNC Machines • Conveyor Systems • HMI & SCADA • Building Automation • LED Signage

Technical Specifications

OUTPUT	
DC Output Voltage	24V DC
Rated Output Current	10A
Rated Output Power	240W
Ripple & Noise (max)	< 150mV p-p
Voltage Accuracy	±1%
Output Voltage Adj. Range	±10% (via trim pot)
Load Regulation	±1%
Line Regulation	±0.5%
INPUT	
Input Voltage Range	85 - 264VAC / 120 - 370VDC
Input Frequency	47 - 63 Hz
Input Current (typical)	< 2.25A @ 110VAC / < 1.3A @ 220VAC
Efficiency (typical)	> 86% @ 230VAC full load
Power Factor	> 0.98 @ 115VAC / > 0.95 @ 230VAC

Inrush Current	20A @ 110VAC / 35A @ 220VAC
Start Up Time	< 3000ms @ 110VAC / < 1500ms @ 220VAC
Leakage Current	< 1mA @ 240VAC
PROTECTION	
Overload Protection	105% - 150% rated output, hiccup mode, auto recovery
Overvoltage Protection	> 135% rated output, shutdown, auto recovery
Short Circuit Protection	Output shuts down, auto restart and recovery after fault removed
Over Temperature Protection	> 85°C, output shuts down, recovers after restart once temperature drops
ENVIRONMENT	
Operating Temperature	-10°C to +60°C
Operating Humidity	20% - 90% RH (non-condensing)
Storage Temperature	-20°C to +85°C
Storage Humidity	10% - 95% RH (non-condensing)
SAFETY & EMC	
Withstand Voltage	I/P - O/P: 1.5kVAC / I/P - FG: 1.5kVAC / O/P - FG: 0.5kVAC
Isolation Resistance	I/P - O/P, I/P - FG, O/P - FG: 500VDC / 100MΩ
Safety Standards	EN60950-1, EN60335-1, EN61558-1/-2-16, UL60950-1, GB4943
MECHANICAL	
Dimensions (L x W x H)	63 x 125 x 113 mm
Net Weight / Gross Weight	1000g / 1100g
Mounting	DIN Rail TS-35/7.5 or TS-35/15
Casing Material	Metal mesh enclosure (Pollution Degree 2)
Output Connections	Screw terminals (-V, -V, +V, +V)
Input Connections	Screw terminals (Earth, N, L)

Ordering Information

Model Number	Output	Power
VXT-DRI-240-24	24V DC / 10A	240W

Notes

1. All specifications are measured at 230VAC input, rated load, and 25°C ambient temperature unless otherwise noted.
2. Ripple & noise measured using 12" twisted pair with 0.1μF and 47μF capacitors in parallel at terminal, 20MHz bandwidth.
3. Starting time measured under cold start. Fast and frequent startup/shutdown may increase starting time.
4. When operating altitude is higher than 2000 meters, derate operating temperature by 5°C per 1000 meters.
5. Specifications are subject to change without prior notice. Please contact Voxintech for latest specifications.

Voxintech | Industrial Automation Solutions
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