PWR-310 Power Module Series

Power Modules for RKS-G4000-PL modular managed switches



Features and Benefits

- Rotatable design for versatile installation
- Hot-swappable
- Wide range of power input options for flexible deployment

Certifications

Introduction

The PWR-310 Power Module Series are designed for Moxa's RKS-G4000-PL Series switches. The power modules allow supported switches to use 12/24/48 VDC or 110/220 VDC/VAC.

Specifications

Power Parameters

Connection	2 removable 4-contact terminal block(s)
Input Voltage	PWR-310-HV-P: 110/220 VDC/VAC for the switch system 48 VDC for PoE systems (53 to 57 VDC is recommended for PoE+ devices) PWR-310-LV-P: 12/24/48 VDC for the switch system 48 VDC for PoE systems (53 to 57 VDC is recommended for PoE+ devices) PWR-310-HVA: 110/220 VAC for the switch system PWR-310-HV: 110/220 VDC/VAC for the switch system PWR-310-LV: 12/24/48 VDC for the switch system
Operating Voltage	PWR-310-LV/PWR-310-LV-P models: 10.8 to 72 VDC PWR-310-HV: 88 to 300 VDC, 85 to 264 VAC PWR-310-HVA: 85 to 264 VAC PWR-310-HV-P models: 88 to 300VDC,85 to 264 VAC PoE models: 46 to 57 VDC (for the PoE system)
Input Current	PWR-310-LV/PWR-310-LV-P models: Max.7.28A@12VDC Max.3.08A@24VDC Max.1.52A@48VDC PWR-310-HV/PWR-310-HV-P models: Max.0.67A@110VDC Max.0.33A@220VDC Max.0.79A@110VAC

	Max.0.35A@220VAC PWR-310-HVA models: Max.0.8A@110VAC Max.0.35A@220VAC EPS (PoE modelsonly): Max.12A@48to57VDC 48 to 57 VDC, 12 A (max.)
Overload Current Protection	Supported
Reverse Polarity Protection	Supported

Physical Characteristics

Dimensions	PWR-310-HV-P: 377.8 x 54.5 x 40.5 mm (14.87 x 2.15 x 1.59 in) PWR-310-LV-P: 377.8 x 54.5 x 40.5 mm (14.87 x 2.15 x 1.59 in) PWR-310-HVA: 377.8 x 54.5 x 40.5 mm (14.87 x 2.15 x 1.59 in) PWR-310-HV: 377.8 x 54.5 x 40.5 mm (14.87 x 2.15 x 1.59 in) PWR-310-LV: 377.8 x 54.5 x 40.5 mm (14.87 * 2.15 x 1.59 in)
Weight	PWR-310-HV-P: 845 g (1.86 lb) PWR-310-LV-P: 830 g (1.83 lb) PWR-310-HVA: 861 g (1.90 lb) PWR-310-HV: 854 g (1.88 lb) PWR-310-LV: 854 g (1.88 lb)

MTBF

Time	PWR-310-HV-P: 5,480,917 hrs PWR-310-LV-P: 12,412,949 hrs PWR-310-HVA: 5,536,383 hrs PWR-310-HV: 5,536,383 hrs PWR-310-LV: 12,700,198 hrs
Standards	Telcordia (Bellcore), GB

Environmental Limits

Operating Temperature	The operating temperature is dependent on the RKS-G4000-PL switch the module is installed in. Please refer to the respective RKS-G4000-PL Series datasheet/QIG for more information.
Storage Temperature	-40 to 85°C (-40 to 185°F)
Ambient Relative Humidity	5 to 95% (non-condensing)

Warranty

Warranty Period	5 years
Details	See www.moxa.com/warranty

Ordering Information

Model Name	Input Voltage	Operating Voltage	Supported Series
PWR-310-LV	12/24/48 VDC	10.8 to 72 VDC	RKS-G4028-PL Series RKS-G4028-PL-L3 Series RKS-G4030-PL Series RKS-G4030-PL-L3 Series
PWR-310-LV-P	12/24/48 VDC 48 VDC for PoE systems (53 to 57 VDC is recommended for PoE+ devices)	10.8 to 72 VDC (53 to 57 VDC is recommended for PoE+ devices)	RKS-G4028-PL Series RKS-G4028-PL-L3 Series RKS-G4030-PL Series RKS-G4030-PL-L3 Series
PWR-310-HVA	110/220 VAC	85 to 264 VAC	RKS-G4028-PL Series RKS-G4028-PL-L3 Series RKS-G4030-PL Series RKS-G4030-PL-L3 Series

Model Name	Input Voltage	Operating Voltage	Supported Series
PWR-310-HV	110/220 VDC/VAC	88 to 300 VDC, 85 to 264 VAC	RKS-G4028-PL Series RKS-G4028-PL-L3 Series RKS-G4030-PL Series RKS-G4030-PL-L3 Series
PWR-310-HV-P	110/220 VDC/VAC 48 VDC for PoE systems (53 to 57 VDC is recommended for PoE+ devices)	88 to 300 VDC, 85 to 264 VAC (53 to 57 VDC is recommended for PoE+ devices)	RKS-G4028-PL Series RKS-G4028-PL-L3 Series RKS-G4030-PL Series RKS-G4030-PL-L3 Series

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