

KNC-PLC-RP20 Power Modules



FEATURES

- Power Supply Module
- Rated Output 5VDC
- 2A
- 24 VDC



DESCRIPTION

The KNC-PLC-RP20 Power Modules provides robust industrial design and manufacturing quality, outstanding performance, and comprehensive feature integration. The RP20 series are not only widely applicable in the field of general industrial automation but also highly suitable for various specialized smart sectors such as building automation, agricultural intelligence, energy monitoring, and energy management. The RP20's are designed to offer customers versatile and flexible solution possibilities.

SPECIFICATIONS

Parameter	KNC-PLC-RP20-PW
	Power Supply Module
Technical Specifications	
Supply Power Rated Voltage	24VDC +/-20%
Maximum Power Rate	12W
Rated Output Voltage of K-Bus	5VDC (4.75VDC~5.25VDC)
Rated Output Current of K-Bus	2.0A (Typical Value @ 5V)
Power output derating	At 55°C, Derate by 80%, with Output Not Exceeding 1.6A
Power protection	Overcurrent Protection
	Reverse Polarity Protection
	Surge Absorption
Power Isolation	X
Indicator	RP: Power Supply Normal
	ERR: Power Supply Unnormal
Dimensions (W × H × D)	12mm x 100mm x 80 mm
Weight	0.15 lbs

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SPECIFICATIONS

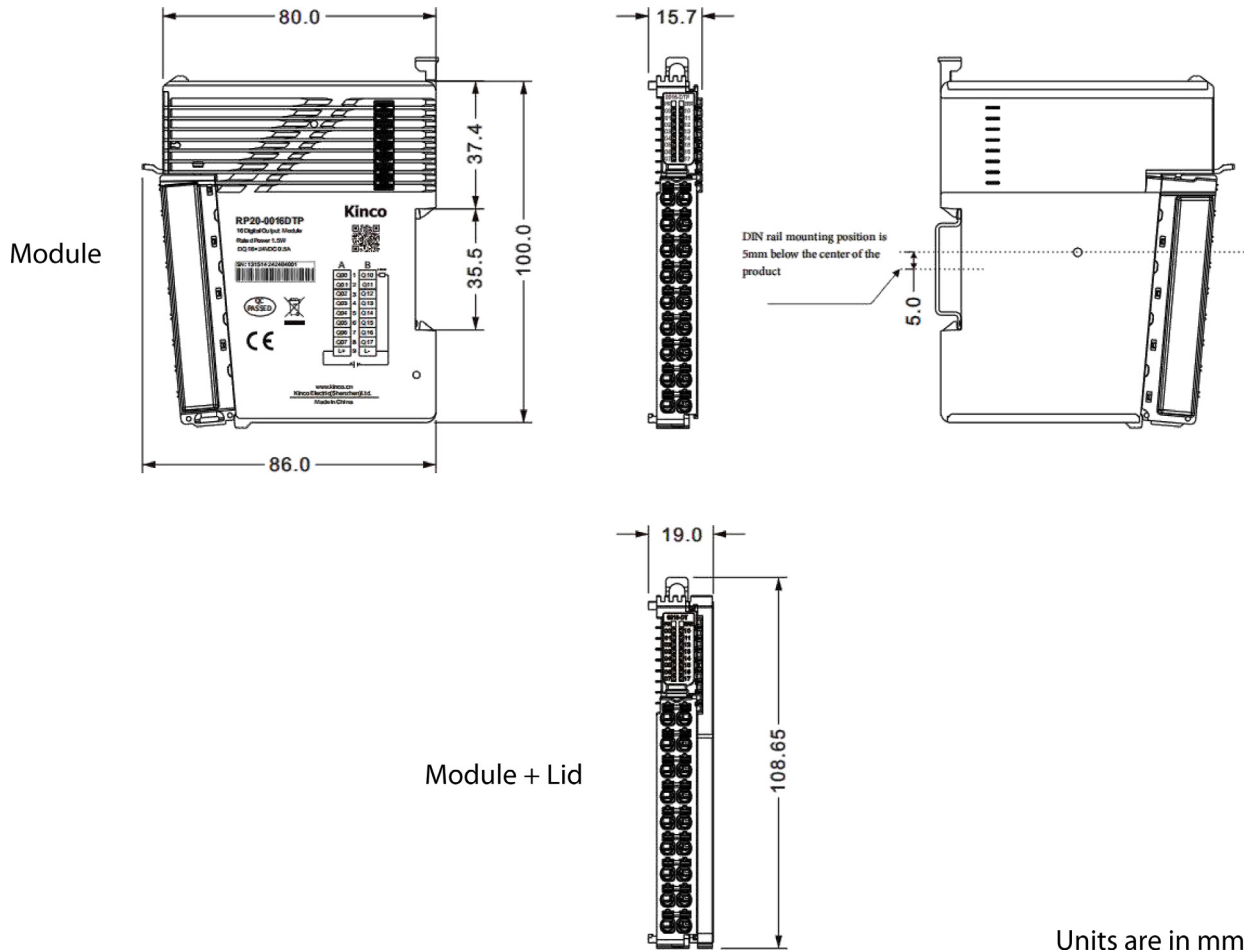
Operating Environment		
Climatic Conditions	Ambient Temperature	-40°C~+70°C
	Relative Humidity	10%~95%, No Condensation
	Atmospheric Pressure	Equivalent to 0-3000 Meters Above Sea Level
Mechanical Conditions	Free Fall	With Transport Packaging, Allows 5 Drops from 1m Height to the Cement Floor
Operating Conditions		
Climatic Conditions	Ambient Temperature	Open Device with Natural Ventilation, Ambient Temperature Range: -20°C~55°C
	Relative Humidity	10%~95%, No Condensation
	Atmospheric Pressure	Altitude ≤ 2000 Meters
	Pollution Level	Suitable for Pollution Level 2
Mechanical Conditions	Sine Vibration	5 < f, 8.4 Hz, Random: 3.5mm Displacement; Continuous: 1.75mm Displacement 8.4 < f < 150 Hz, Random: 1.0g Acceleration; Continuous: 0.5g Acceleration
	Shock	Half Sine Wave, 15g, 11ms, 6 Times Per Axis
Electromagnetic Compatibility	EMC Immunity Level	Zone B, IEC61131-2
	Electrostatic Discharge	Air Discharge 8kV, Contact Discharge 4kV
		Performance Level A
	Surge	DC Power Supply 0.5kV CM, 0.5kV DM
		I/O and Communication Ports: 1kV CM Performance Level A
	Fast Transient Burst	Power Coupling: 2kV, 5kHz. I/O and Communication Coupling: 1kV, 5kHz Performance Level A
Protection Level		IP20
Cooling Type		Natural Air Cooling
Installation Type		DIN35 Rail Mounting

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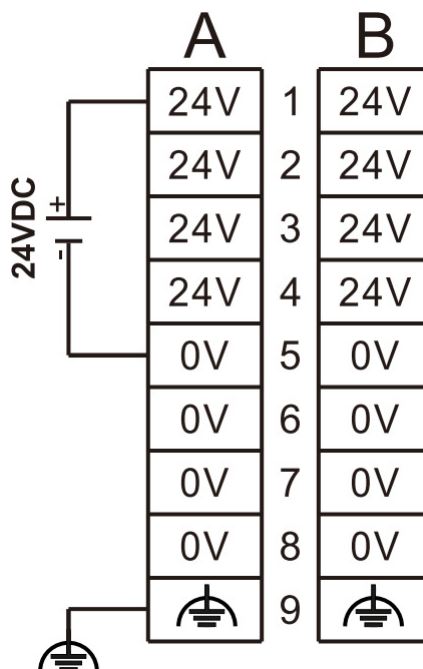
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DIMENSIONS



WIRING DIAGRAMS



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