CONTROLLOGIX 1756

Product Data Sheet

1756-PA72

AC Chassis Power Supply

AC INPUT VOLTAGE RANGE	NOMINAL MAINS INPUT	INPUT FREQUENCY RANGE	MAXIMUM INPUT POWER
85 to 265 V	**120 V or 240 V AC**	**47 to 63 Hz**	**100 W / 100 VA**

Allen-Bradley 1756-PA72 is an ac chassis power supply in the ControlLogix 1756 range. It is used for powering compatible ControlLogix chassis electronics in compatible industrial automation systems.

01 VERIFIED TECHNICAL DATA

AC input voltage range	85 to 265 V
Nominal mains input	120 V or 240 V AC
Input frequency range	47 to 63 Hz
Maximum input power	100 W / 100 VA
Combined backplane output limit	75 W
Maximum inrush	20 A
Supply hold-up, Series C	5 cycles at 85 V; 6 cycles at 120/200/240 V, 50/60 Hz
Backplane current at 1.2 V	1.5 A
Backplane current at 3.3 V	4 A
Backplane current at 5.1 V	10 A

Values follow the applicable manufacturer documents identified on page 2.

02 ADDITIONAL PRODUCT DATA

Backplane current at 24 V	2.8 A
Continuous isolation voltage	250 V, reinforced insulation
Isolation withstand test	3500 V DC for 60 s
Conductor terminal torque	0.565 N m
Operating ambient	0 to 60 deg C, documented Series C

03 DOCUMENTED USE SETTINGS

Chemical and Petrochemical Manufacturing and Production: Chemical Production Process Automation.

Metal Production and Materials Processing: Steel Rolling Process Control.

Electric Power Generation and Energy Production: Electric Power Generation Control.

04 SYSTEM COMPATIBILITY

Integrate 1756-PA72 only in the documented ControlLogix 1756 configuration. Match the installed interfaces and the engineered application before selecting this ac chassis power supply.

05 PRODUCT EVIDENCE

Rockwell1756-TD005J-EN-P,11/2022;1756-PA72/C column,pp.3 to 4

AMIKON PRODUCT SUPPORT

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