AEG PC-A984-145

Compact Controller

$275.00

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984/A120 Technical Specifications

Power Requirements

Integral Power Supply	
Input	20 - 30 Vdc @ 1A Full Load
Output	5 Vdc @ 2.5A to the I/O Bus
P120 AC Power Supply Module	
Input	95 - 270 Vac, 47/63 Hz
Output	24 Vdc @ 1A
P120 DC Power Supply Module	
Input	102…150 Vdc
Output	24 Vdc @ 1.5A

Environmental

Temperature, Operating	0 - 60°C
Humidity, Operating	0 - 95% non-condensing
Temperature, Storage	– 40 - +85°C, IEC 68-2-14
Humidity, Storage	0 - 95% non-condensing
Altitude	15,000 feet (4500 m)
Shock	30 G's, 11 msec, 3 pulses/axis
Vibration	10 - 57 Hz: 0.075 mm DA 57 - 150 Hz: 1 g

Dimensions

Height	5.6 in (142 mm)
Width	8.4 in (213 mm)
Depth	5 in (127 mm)
Weight	1.0-1.2 lb (455-540g)
Agency Approvals	UL, CSA, FM, CE

Specially designed for space efficiency

Although the 984/A120 Compact offers the performance of a larger PLC, it is specifically designed for the micro-to-small application. Small in size, its packaging includes the CPU, built-in power supply, and up to 256 I/O in less than 1.5 square feet of panel space. With a depth of less than 5.5 inches, it will fit comfortably in an 8 inch deep panel enclosure.

The primary subrack houses the controller with built-in 24 Vdc power supply and an additional three slots for I/O modules. If required, an optional 120 Vac power converter can occupy one slot. Three additional expansion subracks can be connected, providing up to 18 slots for I/O modules. Subracks can be mounted side-by-side, with no additional hardware. Or they can be mounted in two tiers by using a single bus extension cable. DIN rail mounting makes for a fast, secure installation.

A full complement of discrete I/O modules is available in densities of 4, 8, or 16 points. Analog I/O, high speed counter/position detection modules, and single axis servo motion control modules are also available.

984/A120 Compact Controllers

	Memory (Words)					Ports			Input / Output Maximum			
			Extended		Scan	Modbus	Modbus+	I/O	Discrete	Total Bits**	Total	# Local
Controller Model	**Logic***	**Registers**	**(6X)**	**Total**	**Time**	**Port**	**Port**	**Series**	**I/O**	**I/O**	**Drops**	**Racks**
PC-A984/A120 (CPU 120)	1.5k	1920	—	3.5k	5 ms/k	1	—	A120	256 any mix	512/512	1	4
PC-A984-130 (CPU 130)	4k	1920	—	6k	5 ms/k	1	—	A120	256 any mix	512/512	1	4
PC-A984-131 (CPU 131)	4k	1920	—	6k	5 ms/k	2	—	A120	256 any mix	512/512	1	4
PC-A984-141 (CPU 141)	8k	1920	—	10k	5 ms/k	2	—	A120	256 any mix	512/512	1	4
PC-A984-145 (CPU 145)	8k	1920	—	10k	5 ms/k	1	1	A120	256 any mix	512/512	1	4
PC-E984-241 (CPU 141)	8k	1920	—	10k	2.5 ms/k	2***	—	A120	256 any mix	512/512	1	4
PC-E984-245 (CPU 145)	8k	1920	—	10k	2.5 ms/k	1***	1	A120	256 any mix	512/512	1	4
PC-E984-251 (CPU 251)	16k	1920	24k	42k	2.5 ms/k	2***	—	A120	256 any mix	512/512	1	4
PC-E984-255 (CPU 255)	16k	1920	24k	42k	2.5 ms/k	1***	1	A120	256 any mix	512/512	1	4

* Includes memory configuration and I/O Traffic Cop. (888 words minimum – 1k words maximum)

** Includes analog in/out at 16 bits each plus discrete in/out at one bit each.

*** Comm port 1 supports XMIT Block, temporary Modbus Master

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