

Allen-Bradley 1768-CNB

The 1768-CNB communication module is an Allen-Bradley/Rockwell Automation communication module from the CompactLogix series. It communicates through the ControlNet network. The 1768-CNB CompactLogix communication module is suitable for a variety of applications including media redundancy, intrinsic safety, high-speed data transfers, and redundant controller system

Technical specifications for 1768-CNB

Device Type Communication Interface

Maximum Connections Supported 48 Connections

Maximum Number of Nodes 99 Nodes

Slot Width 1 Slot

Backplane Current 1 ampere at 5 volts

Power Consumption 5.14 Watts

Power Dissipation 5.14 Watts

Thermal Dissipation 17.5 BTU/hr

ControlNet Network Communication Rate 5 Mbps

Isolation 30 Volts

Operating Temperature Range 0 - 60 degrees Celsius

Nonoperating Temperature Range -40 - 85 degrees Celsius

Dimensions 132 mm x 56.7 mm x 105.1 mm (5.20 in. x 2.23 in. x 4.12 in.)

Approximate Weight 0.260 kg (0.57 lb)

Description

The 1768-CNB is a CompactLogix ControlNet Interface module manufactured by Allen Bradley. This product can support up to 48 connections at one time. It has a slot width of 1 and can be connected in any slot (1 - 4). The 1768-CNB has a backplane current rating of 1 ampere at 5 volts. It has a power consumption rating of 5.14 watts, a power dissipation rating of 5.14 watts, and a thermal dissipation rating of 17.5 BTU/hr. This interface module has a 5 Mbps ControlNet network communication rate. The 1768-CNB CompactLogix ControlNet Interface module has 2 connectors, including 1 BNC connector for non-redundant media operation and 1 NAP connector, which is an RJ45 8-pin connector with a shield. This part has an approximate weight of 0.260 kilograms or 0.57 pounds. This part can be mounted via a Din Rail or a panel mount, and it can be mounted on a 1768 ControlLogix chassis. The 1768-CNB CompactLogix ControlNet interface module supports a maximum of 99 nodes. The operating temperature recommended for this product ranges from 0 to 60 degrees Celsius, and the nonoperating temperature recommended ranges from -40 to 85 degrees Celsius. The 1768-CNB CompactLogix ControlNet Interface module has a recommended relative humidity range of 5% to 95% noncondensing. It has a vibration rating of 5 g at 10 to 500 Hz, an operating shock rating of 30 g, and a nonoperating shock rating of 50 g. The 1768-CNB has a wide variety of certifications, such as c-UL-us, CE, C-Tick, and CI certifications.

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