FLEX I/O CONTROLNET

Product Data Sheet

1794-ACN15

Single Media ControlNet Adapter

FLEX STATION CAPACITY	SERIES D INPUT SUPPLY	SERIES D FLEXBUS OUTPUT	INRUSH PULSE
8 I/O modules	**19.2 to 31.2 V DC, 400 mA**	**5 V DC, 640 mA**	**14 A for 2 ms**

Allen-Bradley 1794-ACN15 is a single media controlnet adapter in the FLEX I/O ControlNet range. It is used for connecting a distributed FLEX I/O station over ControlNet in compatible industrial automation systems.

01 VERIFIED TECHNICAL DATA

FLEX station capacity	8 I/O modules
Series D input supply	19.2 to 31.2 V DC, 400 mA
Series D Flexbus output	5 V DC, 640 mA
Inrush pulse	14 A for 2 ms
ControlNet transmission rate	5 Mbit/s
Maximum power loss	3.4 W at 19.2 V DC
Continuous isolation rating	50 V, basic insulation
Isolation test	860 V AC for 60 s
Power-terminal torque	0.8 N m
Single-conductor power wiring	0.33 to 2.5 mm² copper

Values follow the applicable manufacturer documents identified on page 2.

02 ADDITIONAL PRODUCT DATA

Double-conductor power wiring	0.33 to 1.3 mm² copper
ControlNet cable	Belden RG-6/U
Operating ambient, Series D	-25 to 55 deg C
Non-operating temperature	-40 to 85 deg C
Relative humidity limit	5 to 95%, non-condensing

03 DOCUMENTED USE SETTINGS

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

Pulp Processing and Paper Production: Pulp Preparation and Processing.

Water Supply and Municipal Wastewater Treatment: Municipal Water Supply Control.

04 SYSTEM COMPATIBILITY

Integrate 1794-ACN15 only in the documented FLEX I/O ControlNet configuration. Match the installed interfaces and the engineered application before selecting this single media controlnet adapter.

05 PRODUCT EVIDENCE

Rockwell1794-IN128J-EN-P,11/2024;ACN15 SeriesD,pp.5 to 9

AMIKON PRODUCT SUPPORT

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