

Product Details and Certifications

Cross Reference RA Part Number: 1734-PDN B



Product: **1734-PDN**

Description: DeviceNet Interface Module



Representative Photo Only (actual product may vary based on configuration sections)

I/O MODULE DATA

Bulletin Number	1734 Point I/O Module
Input Voltage, nom	24V DC
Input Voltage Range	11...25C DC DeviceNet Specification
Field Side Power Requirements	400 mA @ 24V DC (+4% = 25V DC)
Inrush Current	6 A for 5 ms
POINTBus Current	1300 mA
Power Consumption @ 24V	8.0W
Power Dissipation	1.2 W @ 25V
Input Overvoltage Protection	Reverse polarity protected

1734 DeviceNet Adapter Specifications

Attribute	1734-PDN	1734-ADN/X
Input voltage, nom	24V DC	
Input voltage range	11...25V DC DeviceNet specification	10...28.8V DC
Field side power requirements	400 mA @ 24V DC (+4% = 25V DC)	400 mA @ 24V DC (+20% = 28.8V DC)
Inrush current	6 A for 5 ms	6 A for 10 ms
POINTBus current	1300 ⁽¹⁾ mA	1000 mA
Power consumption @ 24V	8.0 W	8.1 W
Power dissipation, max.	1.2 W @ 25V	2.8 W @ 28.8V
Input overvoltage protection	Reverse polarity protected	
Interruption	—	Output voltage will stay within specifications when input drops out for 10 ms @ 10 V with max load.

⁽¹⁾ 1300 mA @ 5V DC ±5% (4.75...5.25V).

PROFIBUS DP Network

PROFIBUS for Decentralized Peripherals is a standard in field bus communication in automation. that helps eliminate hard wiring, and reduces costs associated with design and installation.

PROFIBUS DP Network Considerations

Adapter	Considerations
1734-APB	A total of 63 POINT I/O modules can be assembled on a single PROFIBUS DP node. Expansion power supplies may be used to provide additional POINTBus backplane current.

Other considerations when using the APB adapter. Example, if needed (see EtherNet/IP section).

1734-APB Technical Specifications

Attribute	Value
Input voltage, nom	24V DC
Input voltage range	10...28.8V DC
Field side power requirements	400 mA @ 24V DC (+20% = 28.8V DC)
Inrush current	6 A for 10 ms