Product Details and Certifications

Cross Reference RA Part Number: 1734-AND B

Product: 1734-ADN

Description: 24V DC DeviceNet Adapter

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

POWER SUPPLIES

Bulletin Number	1734 Point I/O Devicenet Adapter
Input Voltage Rating	24V DC nominal
Devicenet Input Voltage Range	11-25V DC Devicenet specification
Input Overvoltage Protection	Reverse polarity protected
Devicenet Power Requirements	24V DC (+4% = 25V DC max) @ 30mA max
Field Side Power Requirements	24V DC (+20% = 28.8V DC max) @ 400mA max
Inrush Current	6A max for 10ms
POINTBus Output Current	1A max @ 5V DC ±5% (4.75 - 5.25)
Interruption Protection	Output voltage stays within specifications when input drops out for 10 ms @ 10V with max load

CERTIFICATIONS AND APPROVALS

UL	
CE	
C-Tick	
Ex / ATEX	
For UL Certifications Directory:	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm

DeviceNet Power Supply Specifications	
Input Voltage Rating	24V dc nominal
DeviceNet Input Voltage Range	11-25V dc DeviceNet specification
Input Overvoltage Protection	Reverse polarity protected
DeviceNet Power Requirements	24V dc (+4% = 25V dc max) @ 30mA maximum

Power Supply Specifications	
Input Voltage Rating	24V dc nominal 10-28.8V dc range
Field Side Power Requirements	24V dc (+20% = 28.8V dc maximum) @ 400mA maximum
Inrush Current	6A maximum for 10ms
POINTBus Output Current	1A maximum @ 5V dc ±5% (4.75 - 5.25)
Input Overvoltage Protection	Reverse polarity protected
Interruption Protection	Output voltage will stay within specifications when input drops out for 10ms at 10V with maximum load.
Power Supply	For 1734-ADN adapters, user supplied power should be separate from DeviceNet power. For 1734-ADNX adapters, user supplied power should be separate from DeviceNet and Subnet power.

General Specifications	
Indicators	3 red/green status indicators Adapter status DeviceNet status POINTBus status 2 green power supply status indicators: System Power (POINTBus 5V power) Field Power (24V from field supply)
Mounting Type	DIN-rail
Weight	0.26 kg (0.56 lb)
Module Location	Starter module - left side of 1734 system
Network Name	DeviceNet
Termination Type	None
Number of Nodes	1 maximum
Electronic Protection	No
Diagnostics	No
Enclosure Required	Yes
Power Consumption	8.1W @ 28.8V dc
Platform/Processor Compatibility	1747; 1756; 1761; 1762; 1764; 1789; 1794
Power Dissipation	2.8W maximum @ 28.8V
Communication Interface Type	Adapter
Device Type	Communication Interface
Thermal Dissipation	9.5 BTU/hr maximum @ 28.8V dc
Input Byte Capacity	248
Output Byte Capacity	248
Power Supply 24V Current Load	400mA
Field Power Bus Nominal Voltage Supply Voltage Range Supply Current	 24V dc 10-28.8V dc range, 10A maximum

Isolation Voltage (Continuous - Voltage Withstand Rating)	50V continuous Test to withstand 800V dc for 60s
Operating Voltage Range	10...28.8V dc
Wire Size	14 AWG (2.5mm^2) - 22 AWG (0.25mm^2) solid or stranded, copper wire rated at 75^{o}C or greater 3/64 inch (1.2mm) insulation maximum
Wire Category[1,2]	1 on power ports 2 on communications ports
Wire Type	Copper
Terminal Base Screw Torque	5-7 pound-inches (0.5-0.6Nm)
Field Wiring Terminations	
DeviceNet	1 - Black Wire-V 2 - Blue WireCAN Low 3 - Bare WireShield 4 - White WireCAN High 5 - Red Wire+V
Power Supply	0 - No Connection 1 - No Connection 2 - Chassis Ground 3 - Chassis Ground 4 - Common 5 - Common 6 - Supply 7 - Supply