

Allen-Bradley 1784-U2DN

The Allen Bradley 1784-U2DN cable is a USB to DeviceNet cable. It comes with different data rates of 125, 250, and 500 kbps. This communication module is USB powered with 70mA at 24 VDC. Technical specifications for 1784-U2DN

Brand Allen-Bradley / Rockwell Automation

Series PLC 5

Part Number 1784-U2DN

Description USB to DeviceNet cable

Length 0.61 meters

Enclosure IP 20

Standard C-Tick, CE, KC, UL

Data rate 125/250/500 kbps

Voltage 5 Volts DC

Power 0.5 Watts

DeviceNet supply 24 Volts at 75 mA

Weight 0.23 lbs

Power Consumption 0.5 W

Power Dissipation 0.5 W Description

The Allen-Bradley 1784-U2DN cable is a USB to DeviceNet connector cable. It is 0.61 meters in length and it is mainly used to connect to a DeviceNet network by using a USB port on a personal computer. The cable comes with control indicators for the module, USB, and the network status. The cable comes with an IP 20 protection rating and it is not water resistant. The host interface of the cable is the USB interface. It has 1 open style male 5-pin phoenix connector. The 1784-U2DN cable is certified with the C-Tick, CE, KC, and UL standards. The side of the device comes with a node address selector switch which can be rotated to select different node addresses. A mounting unit is also present in the device for easy mounting. For installation, the cable driver should be installed in the computer.

The 1784-U2DN cable detects the rate of data transfer through the cable in an active DeviceNet network. A data rate switch is present which can be used to set the communication rate at 125, 250, and 500 Kbps. When the cable does not automatically detect a communication rate, it will choose the fallback data rate which is 125 Kbps. The 1784-U2DN cable comes with a status indicator which is a blue and red LED. It shows the network activity, module status, self-test, and the standby mode status. The environmental temperature should not exceed 55 degrees Celsius for the cable. The enclosure of the cable meets the IP 30 protection rating. It consumes 0.5 Watts of power. The USB voltage supply is 5 Volts DC at 75 milliamps and the DeviceNet power supply is 24 Volts DC at 75 milliamps.

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