

1771-IBN

Industrial automation components

Manufacturer	Allen-Bradley
Catalog number	1771-ibn
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	0.44 kgs
Current	0.28 A
Signal Type	30
Relay Specifications	28 A
Voltage	10 - 30 V
Product Type	Module
Signal Level	30 V

Description

The Allen-Bradley 1771-IBN is a 32-point digital input module designed for use with the PLC-5 series programmable logic controllers. Operating within a voltage range of 10 to 30 V DC, it features four sets of eight input channels, each with a nominal input current of 4.5 mA at 10 V DC. The module offers a minimum off-state current of 1.7 mA at 5 V DC and an input impedance of 2.2 kΩ. Input signal delays are 6 ms for both low-to-high and high-to-low transitions. The module's power dissipation ranges from 1.5 W (minimum) to 15.6 W (maximum), with a thermal dissipation between 5.1 BTU/hr and 53.3 BTU/hr. It requires a backplane current of 280 mA at 5 V DC and provides 1500 V AC RMS isolation voltage. The module is compatible with 14-gauge stranded wire and is designed for chassis mounting. Environmental conditions include an operational temperature range of 0°C to 60°C and a storage temperature range of -40°C to 85°C, with a relative humidity of 5% to 95% without condensation. The module is CSA certified, UL listed, and CE marked for all applicable directives.