

IC693MDL645G

Industrial automation components

Manufacturer	Fanuc
Catalog number	ic693mdl645g
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Input Voltage Range	0 to 30 volts DC V
Input Current	7 mA
Number of Input Points	16 points
Input Logic	Positive/Negative
Isolation Voltage	1500 volts V

Description

The Fanuc IC693MDL645G is a 24-volt DC Positive/Negative Logic Input module designed for the Series 90-30 Programmable Logic Controller (PLC) system. This module features 16 input points per group, each with a single common terminal, facilitating the connection of various input devices such as pushbuttons, limit switches, and electronic proximity switches. It operates with both positive and negative logic characteristics, offering versatility in diverse industrial applications. The module supports a DC input voltage range from 0 to 30 volts, with a rated voltage of 24 volts DC. It provides 1500 volts of isolation between the field side and the logic side, ensuring robust protection against electrical interference. The typical input current at rated voltage is 7 mA, with on-state and off-state voltage ranges of 11.5 to 30 volts DC and 0 to ± 5 volts DC, respectively. The on-state current is a minimum of 3.2 mA, and the off-state current is a maximum of 1.1 mA. Both on and off response times are typically 7 milliseconds. Power consumption is 80 mA at 5V (when all inputs are on) from the 5-volt bus on the backplane, and 125 mA at 24V from the isolated 24-volt backplane bus or from user-supplied power. The module is compatible with 5-slot or 10-slot baseplates in the Series 90-30 PLC system, making it suitable for various industrial automation applications requiring reliable and flexible input solutions.