AUTOMATION TRADER

GJR5253100R0120

Industrial automation components

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Manufacturer	Abb
Catalog number	gjr5253100r0120
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Product Type	Programmable Logic Controller
Brand	ABB
Part Number	GJR5253100R0120
Analog Inputs	8 channels
Analog Input Voltage Ranges	0 to +5V, -5 to +5V, 0 to +10V, -10 to +10V
Analog Input Current Ranges	0 to 20mA, 4 to 20mA
Analog Output Channels	4 channels
Digital Inputs	24 digital inputs (DC 24V)
Digital Outputs	16 digital outputs (DC 24V)
Communication Interfaces	Ethernet TCP/IP, CANopen master, RS232 for programming and Modbus communication
Memory (User Program)	1000 kB (Flash EPROM, non-volatile RAM, SMC)
Memory (User Data)	1000 kB (Flash EPROM)

Description

The ABB GJR5253100R0120 is a versatile and robust Programmable Logic Controller (PLC) from the AC31 series, designed to handle a wide range of industrial applications. This controller offers extensive I/O options and communication capabilities, making it suitable for complex automation tasks. Key features include: 8 analog input channels with voltage ranges from 0 to +5V, -5 to +5V, 0 to +10V, and -10 to +10V, as well as current ranges from 0 to 20mA and 4 to 20mA, supporting PT100 sensors. It

provides 4 analog output channels with voltage ranges from -10 to +10V and current ranges from 0 to 20mA. The controller includes 24 digital inputs and 16 digital outputs, all operating at 24V DC. Communication interfaces encompass Ethernet TCP/IP, CANopen master, and RS232 for programming and Modbus communication. Memory specifications feature 1000 kB for user programs and 1000 kB for user data, utilizing Flash EPROM and non-volatile RAM. The operating temperature range is from 0 to +55°C, with storage capabilities between -25 to +75°C. The power supply operates at 24V DC, with an output current of 0.5 A. This PLC is ideal for applications requiring reliable and flexible control solutions in industrial environments.