6ES7677-1DD00-0BB0

Industrial automation components

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Manufacturer	Siemens
Catalog number	6es7677-1dd00-0bb0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Memory Type	512 KB non-volatile memory for retentive data
PROFINET IO Controller	Yes
Integrated Ethernet Interface	RJ45
Mains Buffering Time	5 ms
Automatic Detection of Transmission Speed	Yes

Description

The Siemens 6ES7 677-1DD00-0BB0 is a modular embedded controller from the SIMATIC S7 series, specifically designed for industrial automation applications. This model, known as EC31-RTX, offers robust performance and reliability for complex automation tasks.

Key features include a 512 KB non-volatile memory for retentive data storage, ensuring data integrity during power outages. The controller supports PROFINET IO Controller functionality, facilitating seamless integration into industrial networks.

It is equipped with an integrated Ethernet interface (RJ45) for efficient communication. The device operates with a mains buffering time of 5 ms, providing stability during brief power interruptions.

Additionally, it features automatic detection of transmission speed and supports autonegotiation, enhancing network compatibility. The Siemens 6ES7 677-1DD00-0BB0 is suitable for applications requiring high processing capabilities and reliable data retention, making it ideal for demanding industrial environments.

Automation Trader
960 Capability Green
Luton, Bedfordshire LU1 3PE
VAT ID: PL6463009354
REGON: 527345886
DUNS: 427734105
BDO: 000726360

Phone
+44 7418 359 399

Email
info@automationtrader.com

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