

3HAC025917-001

Industrial automation components

Manufacturer	Abb
Catalog number	3hac025917-001
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Product Type	Digital I/O Unit with DeviceNet
Compatible Systems	ABB IRC5 Robot Controllers
Communication Protocol	DeviceNet
Digital Inputs	16 channels at 24 VDC
Digital Outputs	16 channels at 24 VDC
Input Current	Approx 8 mA per channel
Output Current	0.5 A per channel maximum
Total Output Current	4 A aggregate limit
Supply Voltage	24 VDC nominal (19.2 VDC to 30 VDC)
Power Consumption	Approx 4 W typical
Operating Temperature	0°C to +55°C

Description

The ABB 3HAC025917-001, also known as the DSQC 652 I/O Unit, is a compact digital input/output module designed for seamless integration with ABB's IRC5 robot controllers. This module provides 16 discrete inputs and 16 discrete outputs via DeviceNet communication, facilitating efficient data exchange in industrial automation systems. Its robust construction ensures reliable operation under harsh industrial conditions, making it suitable for applications in manufacturing processes requiring precise control and data acquisition. The DSQC 652 I/O Unit supports hot-swapping in compatible systems, allowing for maintenance without system downtime. Its compact design saves cabinet space, and LED indicators provide real-time status monitoring. The module operates within a temperature range of 0°C to +55°C and has a protection rating of IP20, ensuring durability and longevity in demanding environments.