

DSQC 256 A

Industrial automation components

Manufacturer	Abb
Catalog number	dsqc-256-a
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Current	256 A
Manufacturer	Abb
Relay Specifications	256 A
Product Type	System Board
Rated Voltage	24 V DC
Net Weight	0.3 kg
Part Number	3HAB2211-1
Dimensions	25.00 × 24.00 × 25.00 cm
Compatibility	ABB IRB 6400

Description

The ABB DSQC 256 A is a system board designed for ABB's IRB 6400 industrial robot. This board plays a crucial role in controlling and reading the dual operation chain of the robot, ensuring precise and reliable performance. It features multiple sensor inputs, including three inductive sensor inputs for enhanced responsiveness, and monitors motor temperatures via PTC (Positive Temperature Coefficient) inputs, providing real-time thermal data to prevent overheating. The board's status is indicated by various LEDs, each representing different operational states, such as RUN, EN (Enabling), AS (Automatic Start), and ES (Emergency Stop). These indicators facilitate quick diagnostics and maintenance. The DSQC 256 A operates with a rated voltage of 24 V DC, aligning with the robot's power requirements. Its compact design, with a net weight of 0.3 kg, allows for efficient integration into the robot's control system. This system board is essential for maintaining the robot's operational integrity and is a key component in ABB's automation solutions.