DSQC1030 ABB 24VDC 16DI 16DO EtherNet/IP I/O Module Datasheet

SKU: 1043181132637

Category: CNC, Robotics & PLC Boards

Price: **$1,199.00**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/dsqc1030-abb-24vdc-16di-16do-ethernet-ip-i-o-module

Product Description

ABB DSQC1030 75 x 33.3 x 101 mm 24 VDC 16 channel digital I/O module is a scalable base unit featuring 16 discrete inputs and 16 discrete outputs. The hardware is constructed for vertical DIN rail mounting within IP 20 environments and utilizes an EtherNet/IP communication protocol for high-speed data exchange. It incorporates a dual-port Ethernet switch for daisy-chaining and an optical interface for connecting up to 4 expansion modules. The unit operates on a logic supply voltage range of 20.4 to 28.8 VDC and features integrated status LEDs for diagnostic monitoring of power and network activity.

DSQC1030 Specifications
Model: DSQC1030
Part Number: 3HAC058963-001/01
Brand: ABB
Category: Digital I/O Module
Digital Inputs: 16 channels
Digital Outputs: 16 channels
Supply Voltage: 20.4 to 28.8 VDC
Logic Current: 100 mA
Dimensions: 75 x 33.3 x 101 mm
Weight: 0.117 kg

Communication Protocol: EtherNet/IP
Mounting: Vertical DIN rail
IP Rating: IP 20
Operating Temperature: +5 to +65 °C
Storage Temperature: -40 to +70 °C
Relative Humidity: 10 to 95 % (non-condensing)
Expansion Capacity: Up to 4 add-on devices
Interface: Optical (for add-ons), Dual Ethernet (RJ45)
Connectors: X1 (Outputs), X2 (Inputs), X3/X5 (Ethernet), X4 (Logic Power)
Country of Origin: Sweden

DSQC1030 Applications

Primary applications include integration into ABB IRC5 robot controller cabinets for interfacing with sensors and actuators in automated production lines. Deployed within robotic welding cells, material handling systems, and CNC machine tending units to manage discrete signal processing between the main computer and peripheral field devices.

Supplemental Images


775
776
X4
20%, 8 A DC
ASS 2
O-EI-A
DSQC1030 3HAC058663-001/01
17934#2126-9507378 1486-501-09
ad manual before use.
de in Sweden
MAC address:
00-1A-85-F1-D8-F2
X2