

Schneider Series Service Manual

ABFM16H301

1. Description

The ABFM16H301 is a cabled connector within the Schneider Electric Modicon Quantum series. Designed with 16 channels, it supports digital relay output signals and has a length of 9.8 feet (3 meters). This connector is equipped with two HE10 connectors, enabling efficient electrical connections.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type Cabled Connector
Product	Line Modicon Quantum
Part	Number ABFM16H301
EAN	3389110705317
Number	of Channels 16
Cable	Length 9.8 ft (3 m)
Signal	Type Digital relay output signals
Electrical	Connection 2 Connectors
AWG	Gauge AWG 22
Connector	Type HE10
Wire	Section 0.324 mm²
Number	of Ways 20 ways
Operating	Temperature Range -20 °C to +60 °C
Channel	Splitting 2 x 8
Cable	Construction Multi-conductor shielded cable
Current	Rating 0.5 A
Voltage	Rating 250 V

3. Product Information

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Technical specifications for ABFM16H301

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Product Line Modicon Quantum

Part Number ABFM16H301

EAN 3389110705317

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Channel Splitting 2 x 8

Cable Construction Multi-conductor shielded cable

Current Rating 0.5 A

Voltage Rating 250 V

Description

The Schneider Electric ABFM16H301 is crafted as a cabled connector, integral to the functionality of various Modicon Quantum systems. With a 16-channel configuration, this connector is specifically designed to manage digital relay output signals. The cable measures 9.8 feet (3 meters) in length, providing ample reach for connections. Its electrical interface includes two HE10 connectors for easy integration into existing systems.

Constructed with multi-conductor shielded materials, this connector employs an AWG 22 gauge for its wiring, which has a wire section of 0.324 mm². It features a total of 20 ways, facilitating various connection types necessary for complex setups. Operational reliability is ensured within a temperature range of -20 °C to +60 °C, allowing for deployment in a range of environments.

The ABFM16H301 also accommodates channel splitting, effectively dividing its channels into two groups of eight each to enhance its versatility. This cabled connector weighs approximately 1 kg, with a maximum current rating of 0.5 A and a voltage rating of 250 V, making it suitable for diverse electrical applications that demand efficient signal transfer.

Range of Product

Modicon Quantum

Accessory / separate part designation

Cabled connector

Accessory / Separate Part Type

Connector

Accessory / separate part category

Connection accessories

Accessory / separate part destination

Modicon Quantum PLC

Number of Channels

16

Complementary

Product Compatibility

984A120 Compact

Cable length

9.8 ft (3 m)

Type of signal

0.5 A output

Electrical Connection

2 connectors

Connector Type

HE10

Number of ways

20 ways

Wire section

0.0005 in² (0.324 mm²)

AWG Gauge

AWG 22

Channel splitting
2 x 8
Net Weight
2.2 lb(US) (1 kg)
Ordering and shipping details
Category
22375-INTERFACE MODULE(ABA,R,S)
Discount Schedule
CP2
GTIN
3389110705317
Returnability
No
Country of origin
FR