

Schneider Series Service Manual

ABFM16H300

1. Description

The ABFM16H300 is a cabled connector designed for Schneider Electric's Modicon Quantum series, featuring 16 channels for relay I/O applications. The 3-meter cable length ensures flexibility in installation while maintaining robust electrical connections.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type Cabled connector
Product	Line Modicon Quantum
Part	Number ABFM16H300
UPC	785901446569
Number	of channels 16
Cable	length 3 m
Signal	type Relay I/O
Electrical	connection 1 connector
AWG	Gauge AWG 22
Connector	Type HE10
Wire	section 0.324 mm²
Number	of ways 14 ways
Operating	Temperature Range -20 °C to +60 °C
Insulation	Material PVC
Cable	Construction Multi-conductor shielded cable
Current	Rating 2A
Voltage	Rating 250 V

3. Product Information

The ABFM16H300 is a cabled connector designed for Schneider Electric's Modicon Quantum series, featuring 16 channels for relay I/O applications. The 3-meter cable length ensures flexibility in installation while maintaining robust electrical connections.

Technical specifications for ABFM16H300

Manufacturer Schneider Electric

Product Type Cabled connector

Product Line Modicon Quantum

Part Number ABFM16H300

UPC 785901446569

Number of channels 16

Cable length 3 m

Signal type Relay I/O

Electrical connection 1 connector

AWG Gauge AWG 22

Connector Type HE10

Wire section 0.324 mm²

Number of ways 14 ways

Operating Temperature Range -20 °C to +60 °C

Insulation Material PVC

Cable Construction Multi-conductor shielded cable

Current Rating 2A

Voltage Rating 250 V

Description

The Schneider Electric ABFM16H300 functions as a cabled connector within the Modicon Quantum series. Suitable for relay I/O configurations, this connector supports a total of 16 channels, which allows for versatile signal handling. At a length of 3 meters, the cable offers adequate reach for connecting devices while maintaining optimal performance. Constructed using multi-conductor shielded cabling, this connector ensures that electrical signals remain unaffected by external interference. The specification includes an AWG gauge of 22 and a wire section measuring 0.324 mm². The connector design features a HE10 type, accommodating up to 14 separate ways for seamless connections. With a voltage rating of 250 V and a current rating of 2 A, the ABFM16H300 ensures powerful transmission capabilities while complying with rigorous industrial standards. The insulation material is PVC, providing durability and resistance. Its operational temperature range is broad, extending from -20 °C to +60 °C, making it fitting for various applications across different environments. With a weight of 0.55 kg, the module offers solid integrity without excessive bulk, which is beneficial in space-restricted setups.