

Schneider Series Service Manual

ABFM32H300

1. Description

The ABFM32H300 from Schneider Electric is a connector designed for reliable communication in Modicon Quantum systems. With 32 channels and a robust design, it supports relay I/O signaling, ensuring effective operational functionality.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type Cabled connector
Product	Line Modicon Quantum
Part	Number ABFM32H300
EAN	3389110705348
Number	of Channels 32
Cable	Length 9.8 ft (3 m)
Signal	Type Relay I/O
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 16
Cable	Construction Multi-conductor shielded cable
Current	Rating 2A
Voltage	Rating 250 V

3. Product Information

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Technical specifications for ABFM32H300

Manufacturer Schneider Electric

Product Type Cabled connector

Product Line Modicon Quantum

Part Number ABFM32H300

EAN 3389110705348

Number of Channels 32

Cable Length 9.8 ft (3 m)

Signal Type Relay I/O

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 16

Cable Construction Multi-conductor shielded cable

Current Rating 2A

Voltage Rating 250 V

Description

Schneider Electric offers the ABFM32H300 as part of its Modicon Quantum series. This cabled connector excels in providing 32 channels that facilitate relay I/O signals. It comes with a substantial cable length of 9.8 feet (3 meters), ideal for various industrial applications.

The electrical setup includes two connectors, each with an AWG gauge of 22, which enables robust connections suitable for multiple devices. The wire section measures 0.324 mm² to accommodate the required current flow efficiently.

Designed to function in a range of environmental conditions, the operating temperature for this connector spans from -20 °C to +60 °C. Channel splitting capability enhances its functionality by allowing the division into two sets of 16 channels, which adds versatility for system configurations. This cabled connector is constructed from multi-conductor shielded cable, providing excellent protection from electromagnetic interference.

Weighing 1.15 kg, the ABFM32H300 is rated for a current of 2A and supports a voltage of up to 250 V, ensuring it meets the electrical demands of varied applications. With its reliable design and specifications, this connector is an essential component for systems requiring effective relay signaling and connectivity.

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

32

Complementary

Cable length

9.8 ft (3 m)

Type of signal

Relay I/O

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 16

Net Weight

2.54 lb(US) (1.15 kg)

Ordering and shipping details

Category

US10CP222375

Discount Schedule

OCP2

GTIN

3389110705348

Returnability

No

Country of origin

FR

Packing Units

Unit Type of Package 1

PCE

Nbr. of units in pkg.

1

Package 1 Height

3.031 in (7.700 cm)

Package 1 Width

11.654 in (29.600 cm)

Package 1 Length

8.465 in (21.500 cm)

Package weight(Lbs)

2.833 lb(US) (1.285 kg)

Unit Type of Package 2

S04

Number of Units in Package 2

8

Package 2 Height

11.811 in (30.000 cm)

Package 2 Width

15.748 in (40.000 cm)

Package 2 Length

23.622 in (60.000 cm)

Package 2 Weight

23.695 lb(US) (10.748 kg)

Unit Type of Package 3

P06

Number of Units in Package 3

32

Package 3 Height

29.528 in (75.000 cm)

Package 3 Width

23.622 in (60.000 cm)

Package 3 Length

31.496 in (80.000 cm)

Package 3 Weight

120.434 lb(US) (54.628 kg)