ARDUINO PRO

finder

8A.04

	8A.04.9.024.83xx
	U_N (12...24) V DC +–15% Class 2 source I < 200 mA
OUTPUT	4 NO (SPST) 10 A, 250 V AC1 4 A, 24 V DC1 1/2 HP 240 V AC 1/4 HP 120 V AC
INPUT	8 digital / analog (0...10 V)
	STM32H747XI Dual ARM® Cortex® M7 / M4 IC: 1x ARM® Cortex® -M7 core up to 480 MHz 1x ARM® Cortex® -M4 core up to 240 MHz
	USB Type C 10 / 100 Ethernet RS485 (8A-8310 + 8A-8320) Wi-Fi + BLE (8A-8320)
	Secure element integrated
	(–20…+50)°C
	Open type, EN 60715 rail mounting Environmental Conditions: Extended Humidity 5-95 RH% Altitude 2000 m IP20

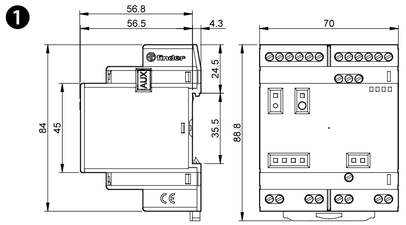
15

c UL us
LISTED
E528578

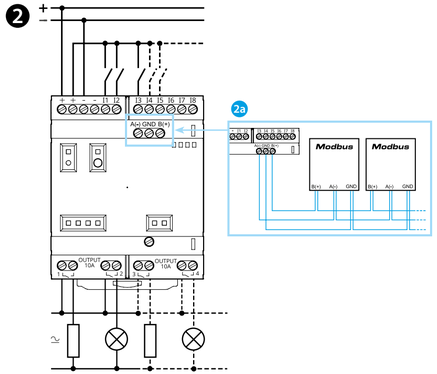
FC
FCC ID: 2A97G-8A001
(Only for mod: 8A...8320)

Utility Model - IB8A04VXX - 05/23 - Finder S.p.A. con unico socio - 10040 ALMESE (TO) - ITALY

1



2



FCC and RED CAUTIONS (MODEL 8A.04.9.024.8320)

FCC

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC RF Radiation Exposure Statement:

- this Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter
- this equipment complies with RF radiation exposure limits set forth for an uncontrolled environment
- this equipment should be installed and operated with minimum distance 20 cm between the radiator& your body

NOTE

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

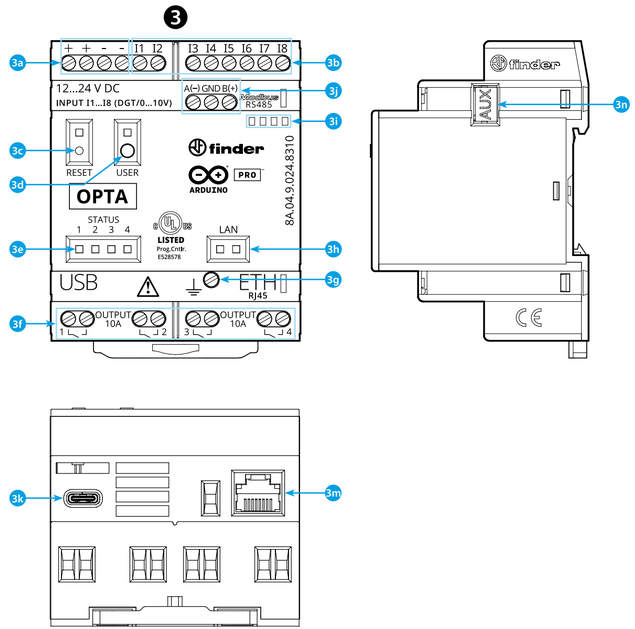
RED

The product is in compliance with essential requirements and other relevant provisions of Directive 2014/53/EU.

This product is allowed to be used in all EU member states.

Frequency bands	Maximum output power (EIRP)
2412 - 2472 MHz (2.4G WiFi)	5,42 dBm
2402 - 2480 MHz (BLE)	2,41 dBm
2402 - 2480 MHz (EDR)	–6,27 dBm

3



ITALIANO

8A.04.9.024.8300 Versione Lite
8A.04.9.024.8310 Versione Plus
8A.04.9.024.8320 Versione Advanced

1 DIMENSIONI

2 SCHEMA DI COLLEGAMENTO

2a Solo per tipi 8A.04-8310 e 8A.04-8320

3 QUADRO FRONTALE

3a Morsetti alimentazione 12...24 V DC
3b I1....I8 morsetti ingressi digitali / analogici (0...10 V) configurabili via IDE
3c **Pulsante di RESET**: **Imposto il dispositivo in modalità bootloader**. **Premendolo due volte riavvia il dispositivo**. (Premerlo con un utensile appuntito isolato)
3d Pulsante USER programmabile
3e LED di stato del contatto 1...4
3f Morsetti 1...4 di uscita a relè, contatto NO (SPST) 10 A 250 V AC
3g Morsetto di terra funzionale (ETH)
3h LED stato della porta Ethernet
3i Porta targhette 060.48
3j Morsetti per collegamento MODBUS RS485 (solo per versioni 8A.04-8310/8320)
3k USB-C per la programmazione e il data logging
3m Porta Ethernet
3n Porta per comunicazione e collegamento moduli ausiliari

INFORMAZIONI PER INIZIARE:

IDE

Per la programmazione di Finder OPTA 8A.04 è necessaria l'installazione di Arduino Desktop IDE.
Per collegare l'8A.04 al computer, è necessario un cavo USB di tipo C.
Questo collegamento fornisce anche alimentazione alla scheda, i LED potranno essere pilotati
https://www.arduino.cc/en/Main/Software

ARDUINO WEB EDITOR

Finder OPTA può funzionare anche con Arduino Web Editor, semplicemente installando un plug-in.
Arduino Web Editor è utilizzabile online, quindi sarà sempre aggiornato con le ultime funzionalità.
https://create.arduino.cc/editor
https://create.arduino.cc/projecthub/Arduino_Genuino/getting-started-with-arduino-web-editor-4b3e4a

ARDUINO IOT CLOUD

Finder OPTA è supportato su Arduino IoT Cloud il che consente di registrare, rappresentare graficamente e analizzare i dati dei sensori, oppure attivare eventi e automatismi

NOTA

Se il dispositivo viene utilizzato in un modo non specificato dal produttore, la protezione fornita dal dispositivo potrebbe essere compromessa.

finder

Per altre informazioni tecniche sul prodotto e le sue applicazioni: Numero Verde 800-012613