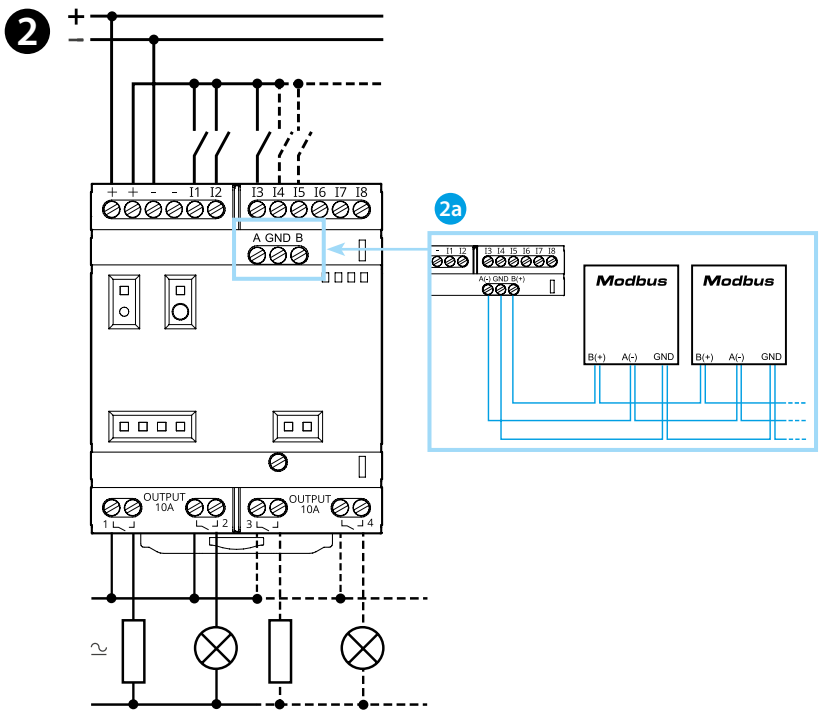
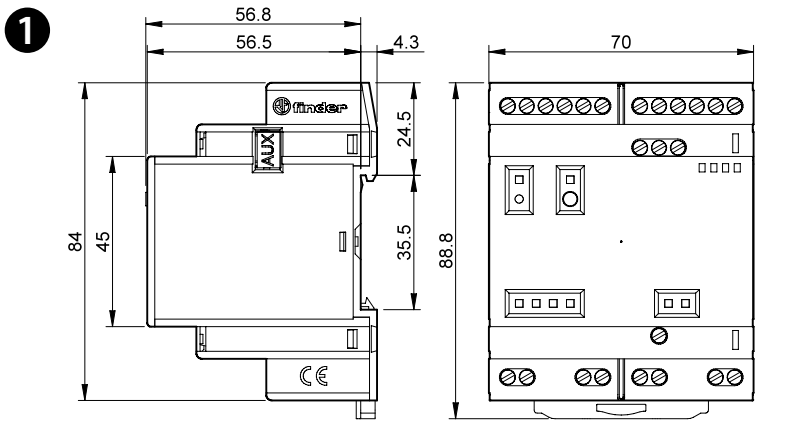
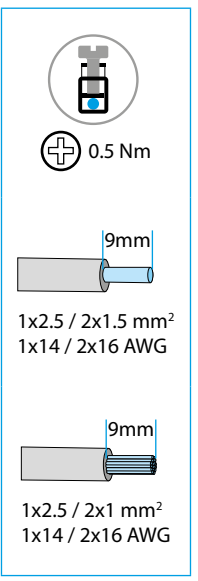




8A.04

	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	



FCC and RED CAUTIONS (MODEL 8A.04.9.024.8320)

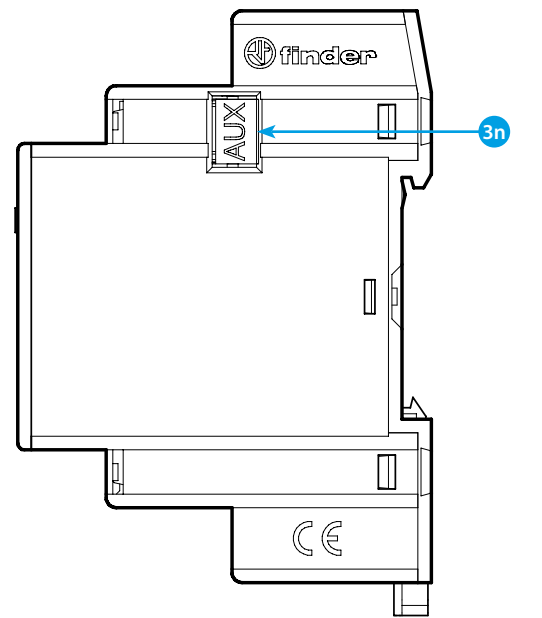
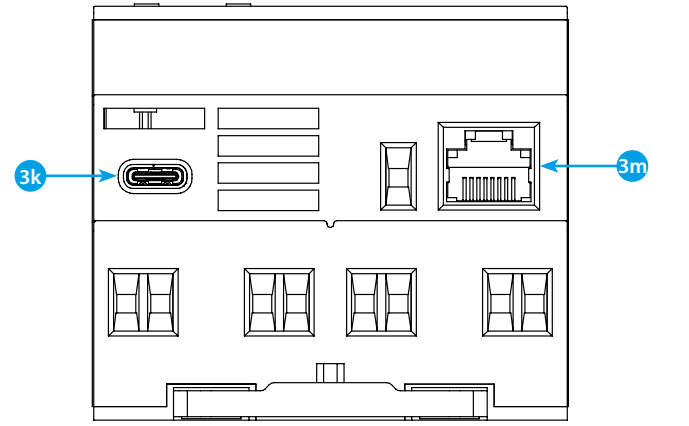
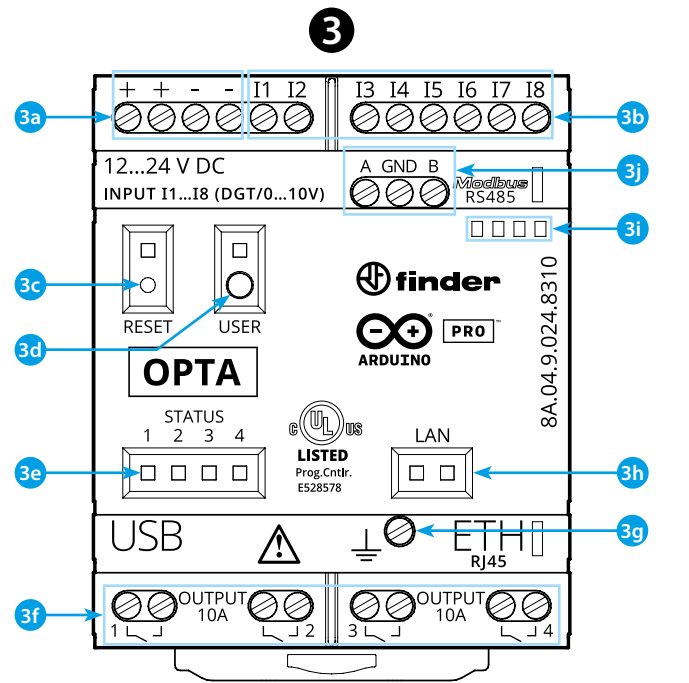
FCC
Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, 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



PORTUGUÊS

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

- DIMENSÕES**
- DIAGRAMA DE LIGAÇÃO**
2a Apenas para 8A.04-8310 e 8A.04-8320
- VISTA FRONTAL**
3a Terminais de alimentação 12...24 V DC
3b I1...I8 terminais de entrada digital/análogica (0...10 V) configuráveis via IDE
3c Botão Reset: coloca o dispositivo no modo bootloader. Pressioná-lo duas vezes reiniciará o dispositivo. (Pressione com ferramenta pontiaguda e isolada)
3d Botão programável do usuário
3e LED de status de contato 1...4
3f Terminais de saída de relé 1...4, contato NA (SPST) 10 A 250 V AC
3g Terra Funcional
3h LED de status da porta Ethernet
3i Porta-etiqueta 060.48
3j Terminais para conexão MODBUS RS485 (somente para as versões 8A.04-8310/8320)
3k USB Tipo C para programação e registro de dados
3m Porta Ethernet
3n Porta para comunicação e conexão de módulos auxiliares

GUIA DE INTRODUÇÃO <https://docs.arduino.cc/hardware/opta/Primeiros passos - IDE>
Se você deseja programar seu 8A.04 enquanto estiver offline, você precisa instalar o Arduino Desktop IDE, Arduino Cloud ou Arduino PLC-IDE. Para conectar o 8A.04 ao seu computador, você precisará de um cabo Tipo C - USB. Esta conexão também fornece energia para a placa, conforme indicado pelo LED.
<https://www.arduino.cc/en/Main/Software>
INTRODUÇÃO - ARDUINO CLOUD
Todos os produtos habilitados para Arduino são suportados no Arduino Cloud que permite registrar, representar graficamente e analisar dados do sensor, acionar eventos, e automatizar sua casa ou empresa. OPTA também funciona no Arduino Cloud, apenas instalando um simples plugin. O Arduino Cloud é hospedado online, portanto, sempre será atualizado com os recursos mais recentes e suporte para todas as placas. Siga para começar a codificar no navegador e enviar seus esboços para sua placa.
<https://cloud.arduino.cc>

NOTA
Se o equipamento for usado de maneira não especificada pelo fabricante, a proteção fornecida pelo equipamento pode ser prejudicada.

