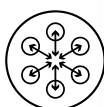


OPTA

PROGRAMMABLE LOGIC RELAYS

The unique 8A Series of PLRs from Finder

Programmable with



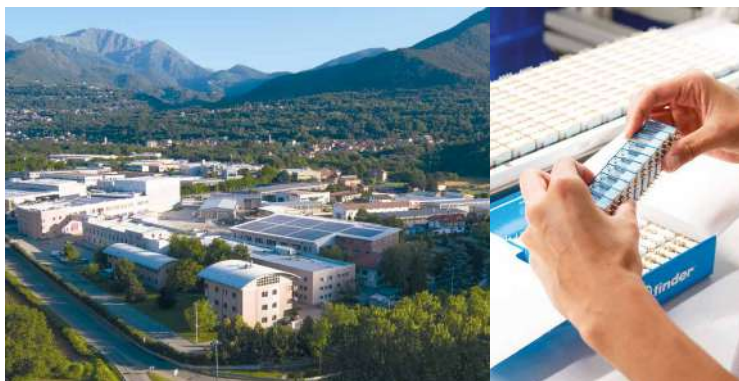
ABOUT US



Finder was founded in Italy in 1954. Since then it has been designing and manufacturing a wide range of electromechanical and electronic components for both the residential and industrial sectors.

Today, thanks to its global vision, Finder now distributes its products around the world through a network of 29 company-owned subsidiaries and more than 80 trade partnerships.

Finder is an international family made up of more than 2000 individuals, all united by the same values and passion for our products.



14,000+ different products to satisfy a myriad of applications. From products at the heart of automation to the control of machines, power, time, temperature, liquid level and light

OUR PRODUCTS CARRY MORE CERTIFICATIONS THAN ANY OTHER RELAY MANUFACTURER



FINDER IS AN ITALIAN BRAND WITH A WORLDWIDE PRESENCE

4 PRODUCTION PLANTS IN EUROPE

29 SUBSIDIARIES

80+ OFFICIAL DISTRIBUTORS



ENVIRONMENTAL, SOCIAL AND GOVERNANCE (ESG)

Finder considers social and environmental sustainability as fundamental principles of doing business, just as it believes that business growth must develop in synergy with a conscious vision of the future.

That is why Finder is committed to reducing and eliminating CO2 emissions, focusing on circularity, caring for its employees to foster a safe, fair and inclusive work environment, spreading a culture of integrity and transparency, and collaborating with stakeholders who share its values.

AUTONOMY AND INDEPENDENCE

Finder's managerial, financial and technological autonomy allows optimal control over all its business processes, the results of which include simplified customs procedures and a high reliability of commercial relations.



ISO 9001:2015
Quality management system



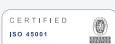
IECEx
Equipment for Use in Explosive Atmospheres



ISO 14001:2015
Environmental management system



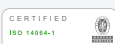
ISO 27001-27701
Information Security and Privacy Management System



ISO 45001:2018
Health and safety management system



ISO 50001:2018
Energy management system



ISO 14064-1:2019
Carbon Footprint verification



AEOF
Simplified customs and enhanced supply chain security



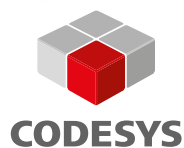
FSC
Forest Stewardship Council



Cribis Prime Company
Recognition of highest reliability of commercial relations

FINDER OPTA

Easily create industrial, OEM and building automation programs with OPTA PLRs using traditional IEC 61131-3 languages (LADDER, FBD, etc.) with either CODESYS or ARDUINO PLC IDE.



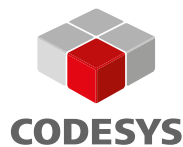
Made in Italy



Made in ITALY the OPTA combines the industrial experience of Finder with the technological innovation of ARDUINO or CODESYS programming environments, for a truly unique product.

FROM AN IDEA TO THE FINISHED PRODUCT.

THE UNIQUE NEW PROGRAMMABLE LOGIC RELAY



POWERFUL

The powerful dual-core Cortex® M7+M4 chip allows a large number of computing operations in real time. Ideal for predictive maintenance applications and updates OTA (Over-The-Air).



CONNECTED

Thanks to the RJ45 port, the USB (type C port), RS485 and Wi-Fi/BLE integrated module.



SECURE

Enhanced IoT security thanks to onboard secure element chip to manage encryption and data keys in all kinds of applications.



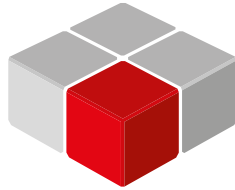
EASY

Designed to simplify the interaction between electronic devices and the physical world, empowering all your projects.



VERSATILE

Significantly increased application possibilities using expansion modules.

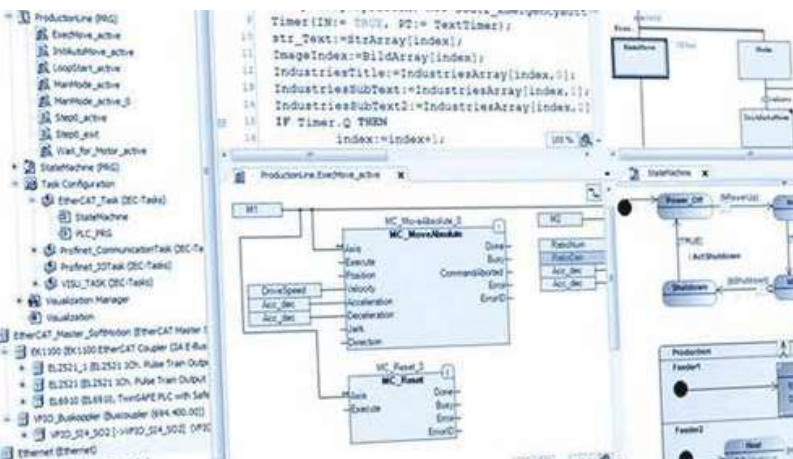


CODESYS



Programmable with:

- LADDER DIAGRAM (LD)
- FUNCTIONAL BLOCK DIAGRAM (FBD)
- STRUCTURED TEXT (ST)
- SEQUENTIAL FUNCTION CHART (SFC)
- INSTRUCTION LIST (IL)

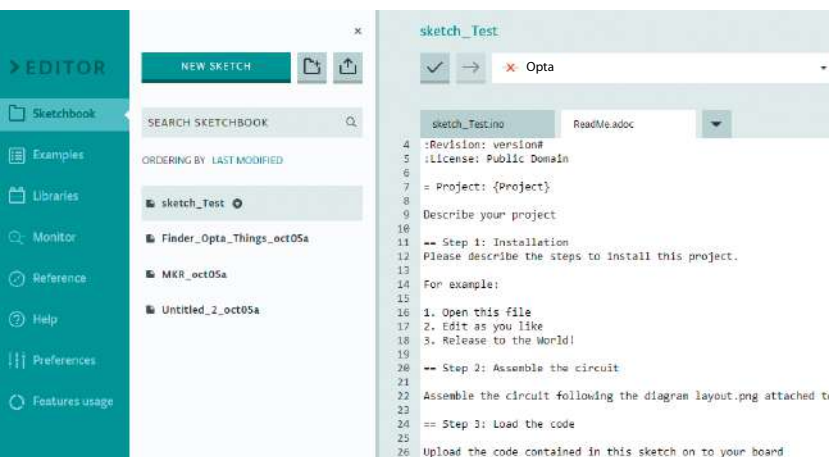


CODESYS is the worlds leading platform for PLC programming. A manufacturer independent language offering a versatile, robust, and powerful solution with support for IEC 61131-3 languages (LADDER, FDB, etc.)



Programmable with:

- ARDUINO IDE,
(Open source language)
- or
- ARDUINO PLC-IDE
for IEC 61131-3
(LADDER, FBD, etc.) languages



It takes advantage of the wide availability of ready-to-use software libraries and sketches from **Arduino**.

Real-time remote monitoring through intuitive dashboards can be developed with Arduino IoT Cloud or third-party services.

THE OPTA RANGE

OPTA LITE

RJ45 + USB C



Type 8A.04.9.024.8300

OPTA PLUS

+ RS485



Type 8A.04.9.024.8310

OPTA ADVANCED

+ Wi-Fi and BLE



Type 8A.04.9.024.8320



CODESYS



Type 8A.04.9.024.832C

- Supply: 12...24 V DC
- 8 Digital/Analog (0-10 V) inputs
- 4 NO relay output contacts, rated 10 A
- USB (type C) High Speed port for:
 - Programming
 - Powering during configuration
 - Data logging (via memory stick)

OPTA POWER SUPPLIES

Low profile switch mode power supplies
with DC output



Type 78.12.1.230.2482

**Up to 1 OPTA and
5 expansion modules**

- Output: 24 V DC - 0.5 A, 12 W
- Peak current: 2 A



Type 78.25.1.230.2482

**Up to 2 groups of 1 OPTA
and 5 expansion modules**

- Output: 24 V DC - 1 A, 25 W
- Peak current: 3 A



OEM
PROJECTS



INDUSTRIAL
APPLICATIONS



BUILDING
AUTOMATION

- Designed for SELV systems (EN 60950)
- Low stand-by power consumption
- Thermal protection: internal, with Vout shutdown - power OFF to reset
- Short circuit protection: auto-recovery
- Overvoltage protection: Varistor
- Compliant with: EN 60950-1 and EN 61204-3

OPTA EXPANSIONS MODULES

OPTA expansion modules expand the possibilities of the **PROGRAMMABLE LOGIC RELAY** for unprecedented versatility.

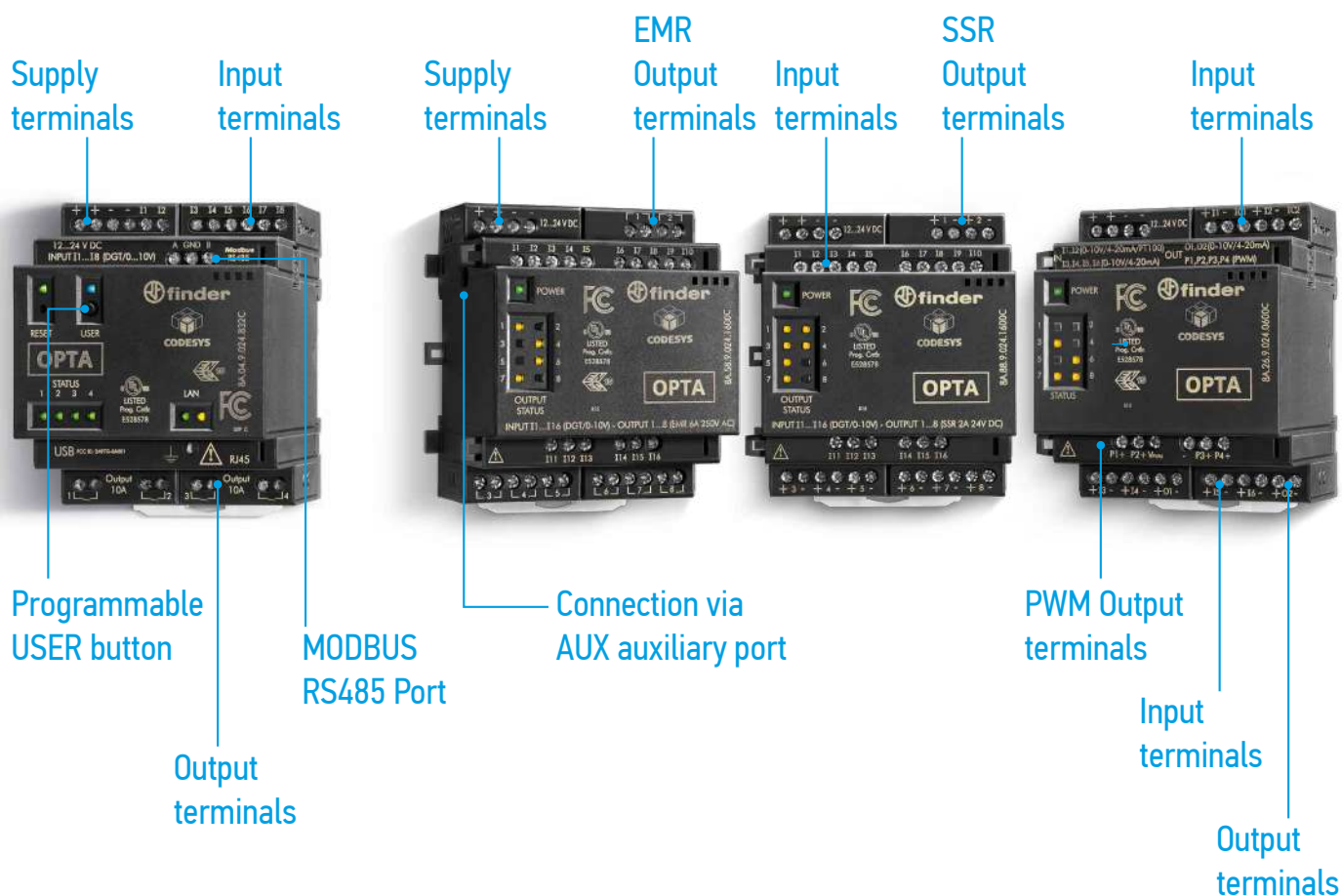
Designed to add further inputs / outputs to any OPTA version up to a maximum of five modules. Connection is via AUX port of each device.

+ INPUTS

A maximum of 80 with the digital version and 30 for the analogue version

+ OUTPUTS

Up to 40 for the digital version and 30 for the analogue version



EMR

- 16 digital/analog (0...10 V) inputs
- 8 EMR 6 A outputs
- Nominal voltage 12...24 V DC



CODESYS



Type 8A.58.9.024.160C



Type 8A.58.9.024.1600

SSR

- 16 digital/analog (0...10 V) inputs
- 8 SSR 3 A outputs
- Nominal voltage 12...24 V DC



CODESYS



Type 8A.88.9.024.160C



Type 8A.88.9.024.1600

ANALOG

- 6 analog (0...10 V, 4...20 mA, PT 100) inputs - programmable up to 8
- 2 analog (0...10 V, 4...20 mA) outputs - programmable up to 8
- 4 PWM outputs
- Nominal voltage 12...24 V DC



CODESYS



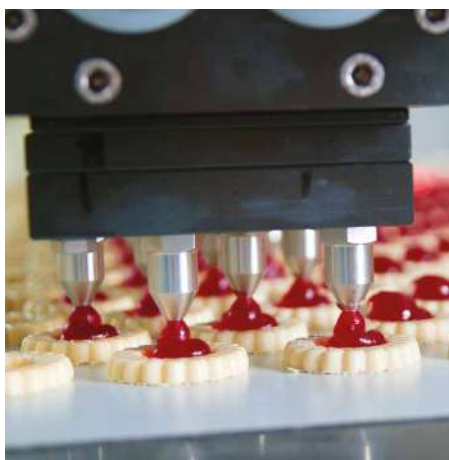
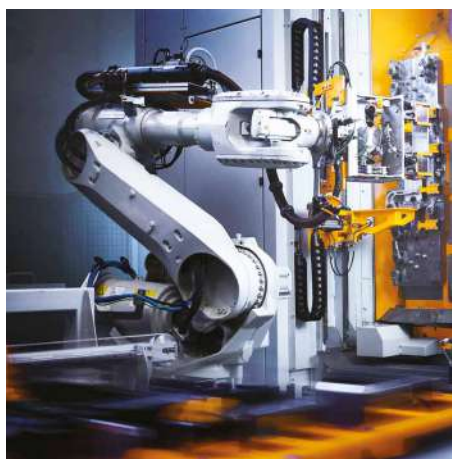
Type 8A.26.9.024.060C



Type 8A.26.9.024.0600

A WIDE RANGE OF APPLICATIONS

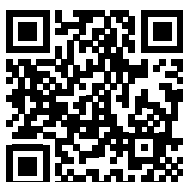
Customer need	Target	Benefits
Boost Automation with a secure, Industry 4.0 control system	<ul style="list-style-type: none"> • Manufacturing plants • Machinery • Industrial automation • Utilities • Logistic hubs 	<ul style="list-style-type: none"> • Remote programming and operation • Productivity improvement • Software portability • Industry 4.0 capability for industrial equipment • Process and cycle time optimisation • KPI tracking, accurate data logging • Security through X.509 certificates • Modify existing installations with minimal effort
Smart and reliable management of electrical loads	<ul style="list-style-type: none"> • Airports • Shopping malls • Exhibitions • Underground car parks • Facilities management • Smart city infrastructure providers • Smart parking • Corporations 	<ul style="list-style-type: none"> • Intelligent optimisation of energy management and power consumption • Automated security lighting • Improved user experience • Enhanced security using access control • Faster access authorisation processes
Improved comfort and quality of life at home and at work	<ul style="list-style-type: none"> • HVAC systems • Industrial air conditioning/cooling • Home automation • Smart buildings 	<ul style="list-style-type: none"> • Ease of initial installation and of ongoing upgrades • Attractive dashboard design • Alarm configuration



OPTA

PROGRAMMABLE LOGIC RELAYS

8A Series



opta.findernet.com



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tel +39 011 9346211 - export@findernet.com

findernet.com



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