finder®

SWITCH TO THE FUTURE

SOLUTIONS FOR ELECTRICAL PANELS AND INDUSTRIAL AUTOMATION

THINK INSIDE THE BOX

TABLE OF CONTENTS

WE ARE THE
BEATING HEART
OF AUTOMATION

ABOUT US

Founded in Italy in 1954, Finder has for decades built a wide range of electromechanical and electronic components for the residential, commercial and service sectors and for the industrial sector.

Today, thanks to a global vision, Finder distributes its products around the world through a network of 27 owned subsidiaries and more than 80 trade partnerships.

Finder is an international family made up of more than 1,300 individuals, all united by the same values and passion for our products.
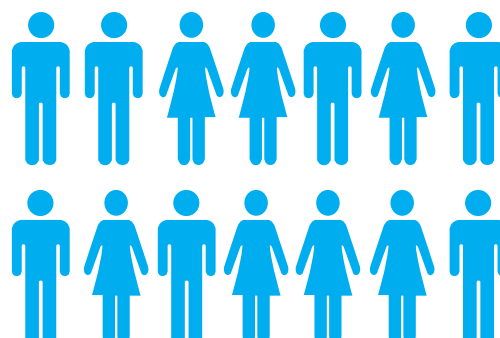
12,500

Different products for all kinds of applications. Products at the heart of automation. Products that can respond to electricity; to the time of day; to temperature; water level and ambient light level

OUR PRODUCTS CARRY MORE CERTIFICATIONS THAN ANY OTHER RELAY MANUFACTURER

CE

ANCE   Ex   CCC   CSA

EAC   EFC   GL   M

L   NF   RINA

RU   cRUus   K03   UL

cULus   DVE

FINDER IS AN ITALIAN BRAND WITH A WORLDWIDE PRESENCE

4 PRODUCTION PLANTS IN EUROPE

27 SUBSIDIARIES

+80 OFFICIAL DISTRIBUTORS

finder

70
SERIES

ELECTRONIC VOLTAGE MONITORING RELAYS

FOR SINGLE OR THREE-PHASE APPLICATIONS, 1 OR 2 CONTACTS

FEATURES

- Multi-function types enabling you to monitor undervoltage and overvoltage, phase rotation, phase loss, asymmetry and neutral loss
- Positive safety logic
- Coloured LEDs for clear & immediate visual indication
- Modular housing, 17.5, 22.5 or 35 mm wide
- 35 mm rail mount (EN 60715)

APPLICATIONS

- This product range is ideal for voltage control in equipment and machinery such as motors, lifts, elevators, hydraulic pumps, air-conditioning systems and air treatment machines

Type 70.62   Type 70.42

Approvals (according to type)

CE EHC

71
SERIES

MONITORING RELAYS, TEMPERATURE SENSING RELAYS

FOR SINGLE OR THREE-PHASE APPLICATIONS, 1 OR 2 CONTACTS

FEATURES

- Single and Multi-function types providing the flexibility of monitoring undervoltage, overvoltage, phase rotation, phase loss, phase asymmetry as well as precision voltage and current level detection, and relays for temperature sensing and control
- Positive safety logic
- Coloured LEDs for clear & immediate visual indication
- Modular housing, 17.5, 22.5 or 35 mm wide
- 35 mm carrier rail mount (EN 60715)

APPLICATIONS

- This product range is ideal for voltage and current control, thermal protection in equipment and machinery such as motors, hydraulic pumps, air conditioning systems, lifts and air treatment machines

Type 71.51   Type 71.92

SEE THE 71 SERIES
TECHNICAL
DATA SHEET

Approvals (according to type)   CE EHL

![finder]

72
SERIES

LEVEL CONTROL RELAYS FOR CONDUCTIVE LIQUIDS

LEVEL CONTROL RELAYS FOR THE CONTOL OF CONDUCTIVE LIQUID LEVELS (72.01, 72.11)
RELAY FOR ALTERNATING LOADS (72.42)

FEATURES

*   Emptying and filling functions
*   LED indicator
*   Reinforced insulation (6 kV - 1.2/50 μs) between: supply and contacts, electrodes and supply, contacts and electrodes
*   35 mm rail mount (EN 60715)
*   Controlling to a single level or between Min/Max Levels

APPLICATIONS

*   The main application of types 72.01 and 72.11 is monitoring conductive liquid levels

*   Type 72.42 is ideal for alternating load sharing in applications with pumps, compressors, air conditioning and refrigeration units

Type 72.01   Type 72.42

SEE THE 72 SERIES
TECHNICAL
DATA SHEET

Approvals (according to type)   CE EHC cULus

72 SERIES

ACCESSORIES
SENSORS FOR MONITORING CONDUCTIVE LIQUID LEVELS

A wide range of sensors make the Type 72.01/11 Level Control Relays ideal for different application requirements.

Normally 2 sensors are used to control to a single level, or 3 sensors are used to control between "Minimum" and "Maximum" levels.

If the tank is made of conductive material, it can be used directly as the "common" connection to B3.
If you have to control two different levels in the same tank, simply connect 2 relays.

Type 072.01 - 72.02

Type 072.01 for liquid food
Type 072.02 for liquids with high chlorine content (swimming pools)

Pre-wired cable-sensor with cable length 6 or 15 m (1.5 mm2), suitable for level monitoring in food applications or where there are high levels of chlorine, in wells and reservoirs not under pressure.

Type 072.51

Bipolar electrode holder, suitable for metal tanks with G3/8" coupling. The tank can be used as ground via the coupling by connecting it directly to the screw terminal (B3) of the relays 72.01/11.
The total length of the probe is obtained by interconnecting multiple 072.500 electrodes.
Maximum liquid temperature 100°C
High-quality electrode material: stainless steel (AISI 304) with high corrosion resistance.

Type 072.31

One-pole sensor for wells and tanks. Maximum liquid temperature 80 °C
High-quality electrode material: stainless steel (AISI 316L) with high corrosion resistance.
Made of polypropylene for resistance to aqueous solutions of inorganic salts, acids, alkaline solutions, alcohol, some oils and washing solutions.
Physiologically harmless, it is therefore especially suitable for use in the food and pharmaceutical industries.

Type 072.53

Three-pole electrode holder for wells and tanks.
The total length of the sensor is obtained by interconnecting multiple electrodes 072.500 Maximum liquid temperature 70 °C
High quality electrode material: stainless steel (AISI 303) with high corrosion resistance.

Type 072.11

Flood sensor, ideal for monitoring floor water levels and detecting condensation (for example in refrigerator aisles).

Type 072.503

Electrode separator - for use with the 072.53 holder and 072.500 electrodes.
Maintains the safe separation of the electrodes - preventing them inadvertently touching each other.

72
SERIES

FLOAT SWITCHES
FLOAT SWITCHES SUITABLE FOR FLUID LEVEL REGULATION

FEATURES

- 1 changeover contact 10 A (8 A) 250 V AC
- Two or three watertight chambers
- Cable lengths 5 m, 10 m, 15 m or 20 m
- Can be used for both emptying and filling functions
- Also available with ACS-certified cable and plastics for food use

APPLICATIONS

- The type 72.A1 is suitable for level control in drainage plants, grey water, food liquids and drinking water

- The type 72.B1 is designed for use in black water systems and pumping stations

Type 72.A1   Type 72.B1

Approvals (according to type)   CE EHC ⚠ ACS

![finder]

77
SERIES

SOLID STATE RELAYS (SSR)

MODULAR AND "HOCKEY PUCK"

FEATURES

- "Zero-crossing" and "random switch-on" versions available
- High-speed switching with long electrical life
- Silent switching without electric arc or contact bounce
- Low consumption input circuit

APPLICATIONS

- Particularly suitable for resistive loads and for industrial applications with high switching frequencies, and for loads with high inrush currents
- "Zero crossing" is particularly suitable for load switching in low-energy lamps (in particular for compact low-energy lamps - CFL), resistive loads, solenoids, contactor coils
- The random switch-on version is recommended for fast switching applications (in particular motor loads), connections where the input phase is different from the output phase, and for three-phase loads

Type 77.01   Type 77.31   Type 77.25

SEE THE 77 SERIES
TECHNICAL
DATA SHEET

Approvals (according to type)

CE EHE c UL us

78 SERIES

SWITCH MODE POWER SUPPLIES

HIGH-PERFORMANCE SWITCH MODE POWER SUPPLIES SUITABLE FOR ELECTRICAL AND ELECTRONIC APPLICATIONS, WITH ADJUSTABLE OUTPUT VOLTAGE AND WITH OVERVOLTAGE AND SHORT CIRCUIT PROTECTION

FEATURES

- High efficiency and reliability
- Compact size
- Low stand-by power consumption
- Front panel access for easy replacement of input fuse
- Separate alert for thermal protection

APPLICATIONS

- Wherever there is a demand for energy
- The Finder range covers both industrial requirements (e.g. industrial automation, control and measurement systems) and building requirements (e.g. video door entry systems, pumps, DC motors, LED lighting, panels for interfacing BUS systems)

Type 78.12   Type 78.61   Type 78.2E

SEE THE 78 SERIES
TECHNICAL
DATA SHEET

Approvals (according to type)

80 SERIES

MODULAR TIMERS

MULTI-FUNCTION MODULAR TIMERS 17.5 MM

FEATURES

- Multi-function and Mono-function
- "PWM clever" technology for automatic recognition and regulation of the supply voltage, resulting in a wide nominal voltage range of 12 to 240 V AC or (non-polarised) DC
- Rated current up to 16 A; a version with 1 A SSR output is also available
- Six time scales from 0.1s to 24h
- High input/output isolation
- "Blade + cross" - both flat blade and crosshead screwdrivers can be use on rotary selectors and terminals
- 35 mm rail mount (EN 60715)
- Demount using either flat blade or crosshead screwdrivers

APPLICATIONS

- Automatic door and gate openers, building automation, cranes, pump control panels and pumping units, automated awnings, blinds, shutters, elevators, control systems, timers and lighting controls

Type 80.01   Type 80.11

Approvals (according to type)   CE EAC RINA c(UL)us

finder

81
SERIES

MODULAR TIMERS

MULTI-FUNCTION MODULAR TIMERS
WITH START AND RESET FUNCTION 17.5 MM

FEATURES

- Multi-function (7 functions, 4 with supply start and 3 with control signal)
- Reset function
- "PWM clever" technology for automatic recognition and regulation of the supply voltage, resulting in a wide nominal voltage range of 12 to 240 V AC or (non-polarised) DC
- DIP switch for time and function controls
- Nominal current 16 A
- Six time scales from 0.1s to 10h

APPLICATIONS

- Automatic door and gate openers, shipyards, drills, cleaners, sanders, control panels, distribution, timers and lighting controls, milk-processing machines, control panels, industrial sweepers

Type 81.01

Approvals (according to type)　　CE EAC

83 SERIES

MODULAR TIMERS

MULTI-FUNCTION MODULAR TIMERS 22.5 MM

FEATURES

- Multi-function and Mono-function types available
- "PWM clever" technology for automatic recognition of and regulation of the supply voltage, resulting in a wide nominal voltage range of 12 to 240 V AC or (non-polarised) DC
- Rated current up to 16 A
- Versions available with: 2 timed contacts, or 1 timed contact + 1 instantaneous contact: adjustable timing by means of an external potentiometer
- Eight time scales from 0.05s to 10 days
- High input/output isolation

APPLICATIONS

- Packaging machines, pump control panels and pumping units, industrial refrigeration, discotheques, swimming pools, and fountains, industrial furnaces and ovens, confectionery machines, control panels and distribution, automatic car-washes

Type 83.02   Type 83.91

SEE THE 83 SERIES
TECHNICAL
DATA SHEET

Approvals (according to type) | CE   EHC   RINA   c(UL)us

84
SERIES

SMARTimer,
DIGITAL TIMER

DIGITAL MULTI-FUCTION MODULAR TIMER WITH NFC

FEATURES

- 2 in 1: two independent channels
- Two programming modes (via Smartphone with NFC technology or via joystick)
- Wide backlit LCD display
- Multi-function (the 25 functions for each channel can be combined between the two channels to create new functions)
- High precision and flexibility, adjustable in tenths of a second, seconds, minutes, hours
- 2 CO 16 A output contacts

APPLICATIONS

- Industrial washing machines, timers and lighting controls, discotheques, swimming pools, and fountains, industrial furnaces and ovens, confectionery machines, punches, cleaners, planers and sanders, control panels, automatic car-washes

Type 84.02

SEE THE 84 SERIES
TECHNICAL
DATA SHEET

Approvals (according to type)

finder

85
SERIES

PLUG-IN TIMERS

MULTI-FUNCTION FOR USE WITH 94 SERIES SOCKETS

FEATURES

- AC/DC supply non polarized
- Seven time scales from 0.05s to 100h
- Contacts with rated current up to 10 A
- 2, 3 or 4 changeover contacts
- Wide ambient temperature range: -20…+60°C

APPLICATIONS

- Medical and dentistry, drying kilns, timers and lighting controls, elevators for workshops, galvanic treatment machines, panels for electrical distribution, control panels, industrial fans

Type 85.02

Approvals (according to type)

CE EHL CSA c**UL**us

86
SERIES

PLUG-IN TIMER MODULES

MULTI-FUNCTION FOR USE WITH 90 SERIES 94 SERIES SOCKETS

FEATURES

- Wide supply voltage range
- Seven time scales from 0.05s to 100h
- LED indication

APPLICATIONS

- Machines for paper processing, printing machines, machines for ceramics, packaging machines, wood processing machines, milk-processing machines, textile machines, control panels

Type 86.00

Type 86.30

SEE THE 86 SERIES
TECHNICAL
DATA SHEET

Approvals (according to type)

88
SERIES

PLUG-IN OR PANEL MOUNT TIMERS

FEATURES

- Multi-function or Mono-function
- 8 or 11 pins for use with 90 series sockets
- Time scales from 0.05s to 100h
- Wide supply voltage range
- Versions available: 2 timed contacts or 1 timed contact + 1 instantaneous contact

APPLICATIONS

- Medical and dentistry, drying kilns, industrial furnaces and ovens, ultrasonic cleaning machines, industrial washing machines, confectionery machines, wood-processing machines, galvanic treatment plants

Type 88.02   Type 88.92

SEE THE 88 SERIES
TECHNICAL
DATA SHEET

Approvals (according to type)   CE EHC c㉿us

7E
SERIES

ENERGY METERS

FOR MONITORING, MEASURING, AND TRANSMITTING VIA SO PULSE OUTPUT, COMMUNICATION INTERFACE, MBUS, MODBUS OR ETHERNET

FEATURES

- Bi-directional energy meters for measuring kWh, kvarh, kVAh, phase-sequence and current levels, reactive power, frequency, and costs. Equipped with dual tariff, partial resettable energy
- Current measurement by direct connection up to 80 A and via CTs up to 50,000 A
- All types are MID-certified and are equipped with a programmable SO interface
- Integrated RS485, M-bus or Ethernet Modbus communications port
- Module width 18 or 72 mm
- 35 mm rail mount (EN 60715)

APPLICATIONS

- Energy meters ideal for remote monitoring and measurement of energy consumed in apartments, communal areas in apartment blocks, boilers, photovoltaic systems, machine tools, production lines and presses

Type 7E.64   Type 7E.78

SEE THE 7E SERIES
TECHNICAL
DATA SHEET

Approvals (according to type)

7P SERIES

SURGE PROTECTION DEVICES (SPD)

SPD, FOR SINGLE/THREE PHASE APPLICATIONS, FOR PROTECTION OF PHOTOVOLTAIC SYSTEMS AND DATA LINES

FEATURES

- Class I SPD with varistor and GDT guarantee high isolation resistance and zero leakage current
- Class I SPD with low residual voltage (Up) ensure effective protection from the point of delivery of energy
- Class I and Class II SPDs with replaceable module Class III SPDs for a wide range of applications such as LED lamps, sensitive electronics, data lines
- For panel or 35 mm rail mounting (EN 60715)
- Equipped with replaceable modules with or without remote contact
- Module width from 18 to 144 mm

APPLICATIONS

- The ideal overvoltage protection system consists of the cascade connection of Class I, II and III SPDs. To protect residential and service installations such as (apartments, saunas, TVs, dishwashers, computers and modems, etc.), industrial installations (elevators, motors, sensitive measurement and data transmission electronics) and photovoltaic systems (inverters, panels and control and measurement devices) from atmospheric, induced and switching overvoltage

Type 7P.05

Approvals (according to type)

7P
SERIES

SURGE PROTECTION DEVICES (SPD)

Type 7P.12

Type 7P.24

Type 7P.68

Type 7P.36

Approvals (according to type)

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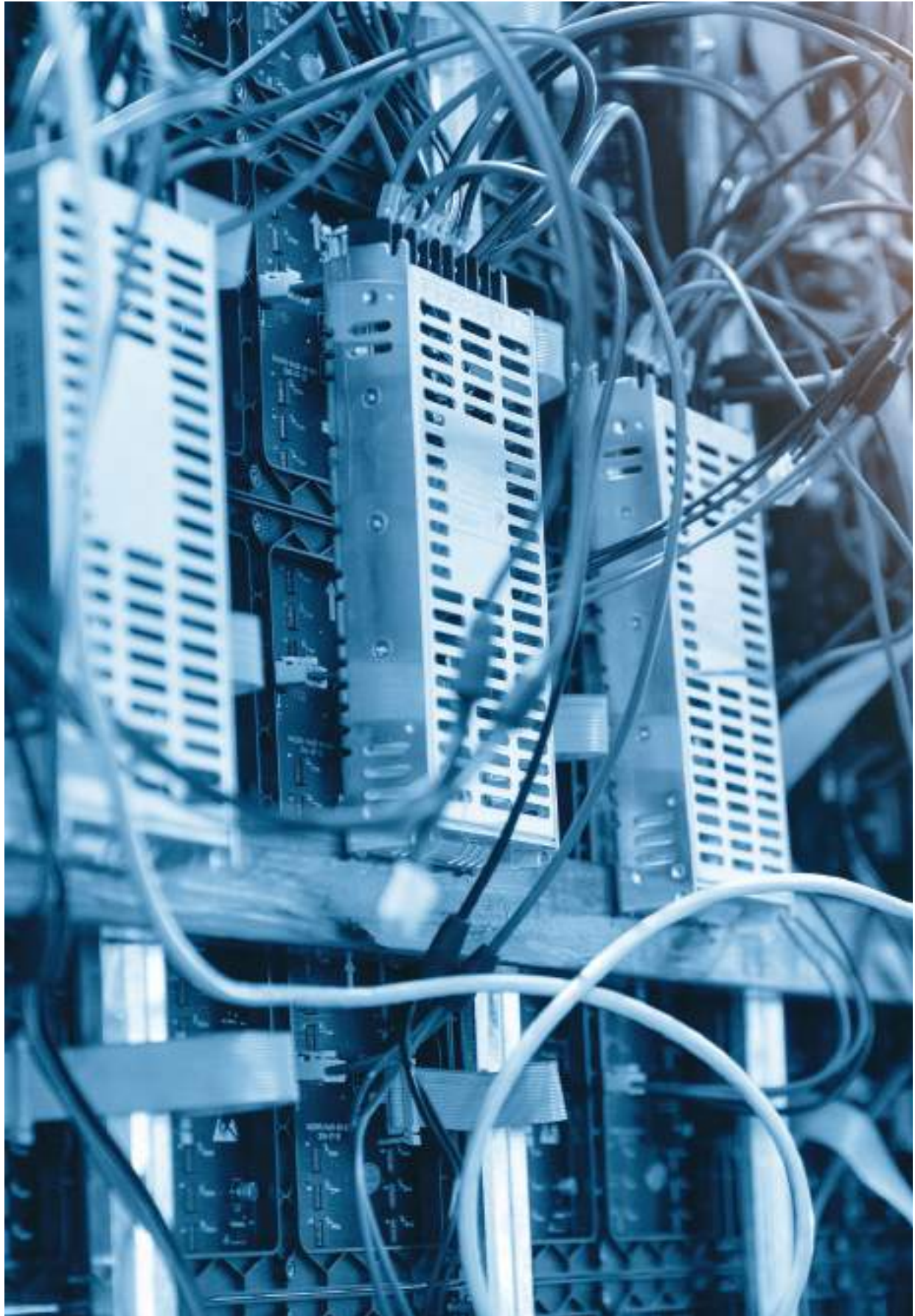
30
SERIES

SUBMINIATURE DIL RELAYS

32
SERIES

SUBMINIATURE PCB RELAYS 6 A

FEATURES

- Very Small
- 1 or 2 contacts
- Rating: 2 or 6 A
- Very low coil consumption 200 mW
- For managing low loads

APPLICATIONS

- Used mainly for electronic circuit boards in signal transmission devices, telecoms, and small household appliances

Type 30.22   Type 32.21

SEE THE 30 SERIES
TECHNICAL
DATA SHEET

SEE THE 32 SERIES
TECHNICAL
DATA SHEET

Approvals (according to type)

34 SERIES

MINIATURE PCB RELAYS (EMR OR SSR)

36 SERIES

MINIATURE PCB RELAYS 10 A

FEATURES

- "Ultra slim" 34 Series
- "Sugar Cube" 36 Series
- 1 contact
- Rating: 6 or 10 A
- Low coil consumption

APPLICATIONS

- Used mainly for circuit boards within equipment such as vending machines, programmable controllers (34 Series), widely used in household appliances (36 Series)
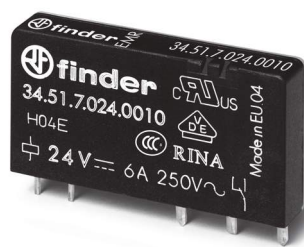
Type 34.51

Type 36.11

SEE THE 34 SERIES
TECHNICAL
DATA SHEET

SEE THE 36 SERIES
TECHNICAL
DATA SHEET

Approvals (according to type)

40 SERIES

MINIATURE PCB AND PLUG-IN RELAYS 8 - 10 - 12 - 16 A

41 SERIES

MINIATURE PCB RELAYS 3 - 5 - 8 - 12 - 16A

FEATURES

- Versatile
- 1 or 2 contacts
- Rating: 8 - 10 - 12 - 16 A
- AC or DC Coil
- Bistable versions available
- Low coil consumption
- Low profile (41 Series)

APPLICATIONS

- Multi-function, suitable for a wide range of applications.
  Due to their versatility they are widely used in electronic circuit boards for household appliances (refrigerators, washing machines), electric gates, boiler control boards and similar

Type 40.52   Type 41.61

SEE THE 40 SERIES
TECHNICAL
DATA SHEET

SEE THE 41 SERIES
TECHNICAL
DATA SHEET

Approvals (according to type)

43 SERIES

LOW PROFILE PCB RELAYS 10 - 16 A

45 SERIES

MINIATURE PCB RELAYS + FASTON 250 16 A

FEATURES

- 1 contact
- Rating: 10 or 16 A
- DC coil
- Low coil consumption
- For applications where the size/ratio is an issue (43 Series)
- For special applications and ambient temperatures above 100°C (45 Series)

APPLICATIONS

- Household appliances, food industry, drying kilns

Type 43.61   Type 45.71

SEE THE 43 SERIES
TECHNICAL
DATA SHEET

SEE THE 45 SERIES
TECHNICAL
DATA SHEET

Approvals (according to type)

46
SERIES

55
SERIES

MINIATURE INDUSTRIAL RELAYS 8 - 16 A

GENERAL PURPOSE RELAYS 7 - 10 A

FEATURES

- 1, 2, 3 or 4 contacts
- Rating: 8 - 16 (46 Series), 7 - 10 A (55 Series)
- AC or DC coil
- Special railway versions
- Mounting on dedicated sockets (screw terminals or push-in)

APPLICATIONS

- General switchboard installations, industrial automation panels, auxiliary relays, interfacing

Type 46.52   Type 55.33

SEE THE 46 SERIES
TECHNICAL
DATA SHEET

SEE THE 55 SERIES
TECHNICAL
DATA SHEET

Approvals (according to type)   CE EAC c UL us RINA CCC VDE ⓜ LR

![finder logo]

56
SERIES

60
SERIES

MINIATURE POWER RELAYS 12 A

GENERAL PURPOSE RELAYS 6 - 10 A

FEATURES

- 2, 3 or 4 contacts
- Rating: 6 - 10 - 12 A
- AC or DC coils
- 8 or 11 pins (60 Series)
- Mounting via dedicated sockets, direct PCB (56 Series),
  or by Flange and direct Faston connections

APPLICATIONS

- General switchboard installations, industrial automation panels,
  auxiliary relays, interfacing

Type 56.34   Type 60.13

SEE THE 56 SERIES
TECHNICAL
DATA SHEET

SEE THE 60 SERIES
TECHNICAL
DATA SHEET

Approvals (according to type)   CE EHC c℞Lus RINA CCC VDE CSA LR ⑭ ⧉ 03

62 SERIES
POWER RELAYS 16 A

65 SERIES
POWER RELAYS 20 - 30 A

FEATURES

- 1, 2 or 3 contacts
- Rating: 16 A (Series 62), 20 or 30 A (Series 65)
- AC or DC coil
- Special versions with magnetic arc blow out (Series 62)
- Mounting via PCB, dedicated sockets or direct Faston connections (Series 62)
- Mounting via PCB or direct Faston connections (Series 65)

APPLICATIONS

- General switchboard installations, industrial automation panels, auxiliary relays, interfacing, versions for applications with special loads
 (e.g. magnetic blow out for control of power distribution switches and circuit breakers)

Type 62.33   Type 65.31

SEE THE 62 SERIES TECHNICAL DATA SHEET

SEE THE 65 SERIES TECHNICAL DATA SHEET

Approvals (according to type)

finder

66
SERIES

POWER
RELAYS 30 A

67
SERIES

RELAYS FOR
PV APPLICATIONS 50 A

FEATURES

- 2 or 3 contacts
- Rating: 30 A (Series 66), 50 A (Series 67)
- AC or DC coil
- Special versions for environments at risk of explosion (ATEX) (Series 66)
- Mounting via PCB or by Flange and direct Faston connections (Series 66)
- Mounting via PCB (Series 67)

APPLICATIONS

- Installations where the disconnection of electrical power is critically important (electronic power boards, inverters, photovoltaic (PV) systems) or ATEX applications, where the environment is at risk of explosion (LPG storage, underground garage, fuel stations)

Type 66.82   Type 67.23

SEE THE 66 SERIES
TECHNICAL
DATA SHEET

SEE THE 67 SERIES
TECHNICAL
DATA SHEET

Approvals (according to type)   CE EAC c**UL**us RINA CCCₛ VDE CSA Ex M 03

RB
SERIES

BISTABLE
RELAYS 8 A

RR
SERIES

FAST ACTING
RELAYS 8 A

FEATURES

- 2 or 4 contacts
- Rating: 8 A
- DC coils
- Separate SET and RESET signal (RB Series)
- Tripping time <3 ms (RR series)
- Mounting on 35 mm rail or on 90 Series 11 pin sockets

APPLICATIONS

- Used within safety circuits and protection systems in areas such as energy distribution, or in applications where the intervention time is crucially important

Type RB.14   Type RR.24

Approvals (according to type)   C E EHI

38
SERIES

RELAY INTERFACE MODULES (EMR OR SSR) 0.1 - 6 - 8 A

39
SERIES

MasterINTERFACE RELAY INTERFACE MODULE (EMR OR SSR) 0.1 - 2 - 6 A

FEATURES

- 1 or 2 changeover contacts
- Rating: 0.1 to 8 A (depending on type)
- Relay used 34 Series or 41 Series (depending on types)
- AC or DC
- Special versions for hazardous locations (ATEX)
- Only 6.2 mm wide
- Sockets with screw or push-in terminals

APPLICATIONS

- Interfacing in general, widely used in automation with PLC and in applications where space saving is important, ATEX applications: LPG deposits, underground garages, gas stations

Type 38.51

Type 39.60

SEE THE 38 SERIES TECHNICAL DATA SHEET

SEE THE 39 SERIES TECHNICAL DATA SHEET

Approvals (according to type)

48 SERIES

4C SERIES

RELAY INTERFACE MODULES

FEATURES

- 1 or 2 changeover contacts
- Rating: 8 - 10 - 16 A
- Relay used: 40 Series (for 48 Series)
- Relay used: 46 Series (for 4C Series)
- AC or DC coils
- Sockets with screw terminals or push-in terminals

APPLICATIONS

- Interfacing in general, widely used in panel building in general applications where 1 or 2 high rated contacts are required
  Industrial automation control panels, power plants, home automation

Type 48.P8   Type 4C.P1

SEE THE 48 SERIES
TECHNICAL
DATA SHEET

SEE THE 4C SERIES
TECHNICAL
DATA SHEET

Approvals (according to type)   CE EHC c(UL)US RINA (CCC)s VDE (R) (Y) 03

58 SERIES

RELAY INTERFACE MODULE

FEATURES

- 2, 3 or 4 changeover contacts
- Rating: 7 or 10 A
- Relay used: 55 Series
- AC or DC coils
- Special versions for hazardous locations (ATEX)
- Sockets with screw terminals or push-in terminals

APPLICATIONS

- Interfacing in general, widely used in panel building, and in applications where 3 or 4 contacts are required Industrial automation control panels, power plants, home automation, ATEX applications: LPG deposits, underground garages, gas stations

Type 58.P4   Type 58.34

SEE THE 58 SERIES
TECHNICAL
DATA SHEET

Approvals (according to type)

SOCKET-RELAY COMPATIBILITY

For all these sockets there are a number of accessories available, such as jumper links for faster termination, retain and release clips and marker tag holders.

SCREW TERMINAL   PUSH-IN

93 Series

34 Series

SCREW TERMINAL   PUSH-IN

95 Series

40 Series

SCREW TERMINAL   PUSH-IN

97 Series

46 Series

SOCKET-RELAY COMPATIBILITY

For all these sockets there are a number of accessories available, such as pole jumper links for faster termination, retain and release clips and marker tag holders.

SCREW TERMINAL   PUSH-IN

94 Series

55 Series

SCREW TERMINAL

96 Series

56 Series

SCREW TERMINAL

90 Series

60 Series

SOCKET-RELAY
COMPATIBILITY AND MODULES

For all these sockets there are a number of accessories available, such as jumper links for faster termination, retain and release clips and marker tag holders.
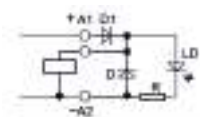
SCREW TERMINAL
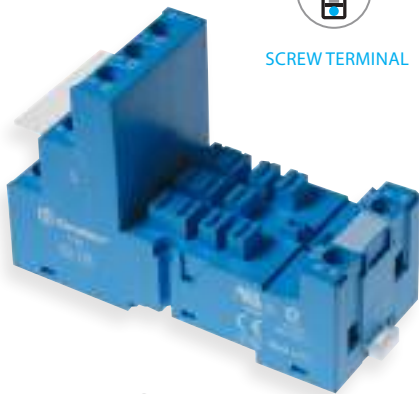
92 Series

62 Series

99 SERIES
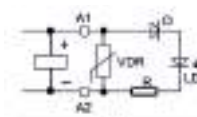## COIL INDICATION AND EMC SUPPRESSION MODULES FOR FINDER SOCKETS
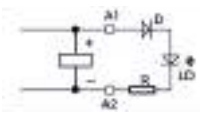
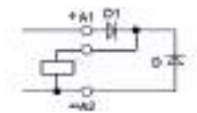These modules can be plugged into the appropriate socket.
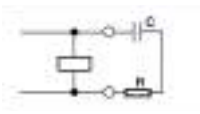
99 Series

Green LED indicator + diode (standard polarity)
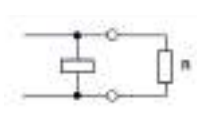
Green LED indicator

RC Circuit

Green LED indicator + Varistor

Diode (standard polarity)

Residual current by pass

50
SERIES

FORCIBLY GUIDED CONTACTS RELAYS

PCB RELAYS WITH FORCIBLY GUIDED CONTACTS ACCORDING TO EN 61810-3 (PREVIOUSLY EN 50205)

FEATURES

- Electromechanical relays with 2, 4 or 6 forcibly guided contacts
- Rating: 8 A
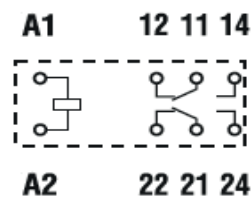- DC coil power supply
- PCB Mounting

APPLICATIONS

- For safety applications with forcibly guided contacts according to EN 61810-3. Machine tools, elevators, safety barriers

Type 50.12

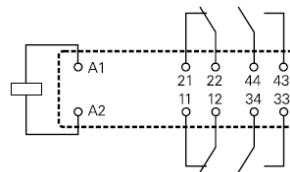**2 CONTACTS**

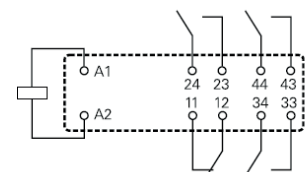A1   12 11 14

A2   22 21 24

Type 50.14

4 CONTACTS
VERSION 2 NO + 2 NC

4 CONTACTS
VERSION 3 NO + 1 NC

Type 50.16

6 CONTACTS
VERSION 4 NO + 2 NC
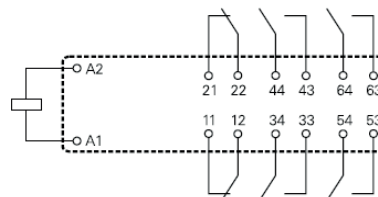
6 CONTACTS
VERSION 5 NO + 1 NC

Approvals (according to type)
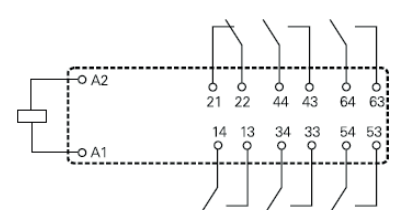
7S SERIES

RELAY MODULES WITH FORCIBLY GUIDED CONTACTS

FEATURES

- Modular relays with 2, 3, 4 or 6 guided contacts
- Rating: 6 - 10 A
- AC or DC coils
- Screw or screwless terminals
- 35 mm rail mounting

APPLICATIONS

- For safety applications with Class A guided contacts according to EN 61810-3
- For safety applications up to SIL 2 according to IEC 61508 (depending on type)
- Machine tools, elevators, safety barriers and expansion modules

Type 7S.14
2 - 4 - 6 CONTACTS

Type 7S.34
2 - 4 - 6 CONTACTS

Type 7S.23
3 CONTACTS

SEE THE 7S SERIES
TECHNICAL
DATA SHEET

Approvals (according to type)

34 SERIES

41 SERIES

SOLID STATE PCB RELAYS

FEATURES

- 1 NO output (contact)
- Output rated current: 0.1 to 6 A (depending on type)
- Output rated voltage: 24 V DC, 48 V DC or 230 V AC, according to type
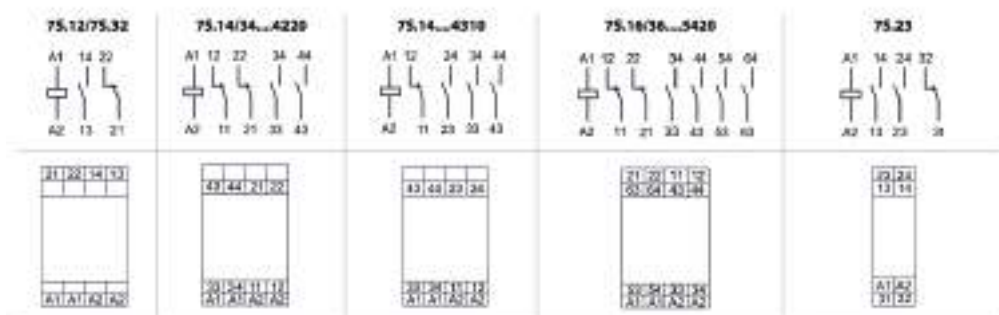- Input (coil) specification:
  DC when mounted on printed circuit board
  AC or DC when mounted on socket
- When mounted on a socket - the relay/socket combination become the 38 Series and 39 Series relay interface modules

APPLICATIONS

- Mainly used for fast signal acquisition and in applications with high operating speed (>1 cycle/sec). Example: Signal acquisition circuit boards or panels, traffic signals, industrial automation (packaging)

Type 34.81   Type 41.81

SEE THE 34 SERIES
TECHNICAL
DATA SHEET

SEE THE 41 SERIES
TECHNICAL
DATA SHEET

Approvals (according to type) | EAC VDE c UL us C E RINA CCC

7T
SERIES

PANEL THERMOSTATS AND THERMO-HYGROSTATS

FEATURES

THERMOSTATS
- 1 NO contact (10 A) version for ventilation control
- 1 NC contact (10 A) version for heating control
- Temperature setting +10...+60 °C or -20...+40 °C

THERMO-HYGROSTAT
- 1 NO contact, rating: 10 A
- Multi-function
- Electronic temperature control +10...+60°C and humidity control 50 ...90%

APPLICATIONS

- Turning On or Off ventilation fans or anti-condensation heaters according to the temperature being above or below the set temperature.
  In the case of the thermo-hygrostat, switching is also dependent on the humidity within the panel

Type 7T.81   Type 7T.81   Type 7T.51

SEE THE 7T SERIES
TECHNICAL
DATA SHEET

7H
SERIES

PANEL HEATERS

PANEL HEATERS
TO PREVENT THE FORMATION OF CONDENSATION
AND ENSURE THE OPTIMUM TEMPERATURE
WITHIN ELECTRICAL ENCLOSURES

FEATURES

- Heater power 25 - 50 - 100 and 150 W
- Power supply 110…230 V AC/DC
- SAFE TOUCH plastic protection against accidental contact

- Fan assisted heaters
- Heater power 250 and 400 W
- Power supply 230 V AC
- SAFE TOUCH plastic protection against accidental contact

APPLICATIONS

- Used in control panels and enclosures to prevent the formation of condensation by keeping the interior temperature of the control panel above the dew point

Type 7H.51.0.230.0025   Type 7H.51.0.230.0100   Type 7H.51.8.230.0250

SEE THE 7H SERIES
TECHNICAL
DATA SHEET

Approvals (according to type)   CE   cᴿᵁus

7F
SERIES

FILTER
FANS

FILTER FANS WITH EXHAUST FILTERS TO MAINTAIN CONSTANT TEMPERATURE IN CONTROL PANELS AND ENCLOSURES AND ENSURE PERFORMANCE OF COMPONENTS

FEATURES

- Fans with exhaust filter
- Air flow from 14 to 75 m³/h
- Power supply DC 24 V, 120 V or 230 V AC
- Level of protection IP54

APPLICATIONS

- Used in control panels and enclosures to ventilate, and remove humidity that may be present

EXHAUST FILTERS   **FILTER FANS**

Type 7F.20   Type 7F.02

SEE THE 7F SERIES
TECHNICAL
DATA SHEET

Approvals (according to type)   CE EHC c ℝU us

7L SERIES

PANEL LIGHT NEW

**FINDER'S NEW LED LIGHT
FOR ELECTRICAL PANELS -
WITH MAGNETIC MOUNTING.**

FEATURES

- Versions for switching via an ON/OFF switch
  or via integral movement detector
- Direct magnetic mounting or through
  a screw-fixed metallic support
- Power supply: 12...48 V AC/DC and 110...240 V AC/DC
- Nominal power consumption: 9 W (600 lm), 13 W (1200 lm)
- Radiation angle: 120°
- Light colour: 5,000 K
- Protection category: IP20
- Connector included

APPLICATIONS

- Used in electrical cabinets or technical compartments for powerful
  and versatile lighting.

Versions for switching via
an ON/OFF

Versions integral for
movement detector

Approvals (according to type)   CE   c᛫UL᛫US

![Finder logo](SWITCH TO THE FUTURE)

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