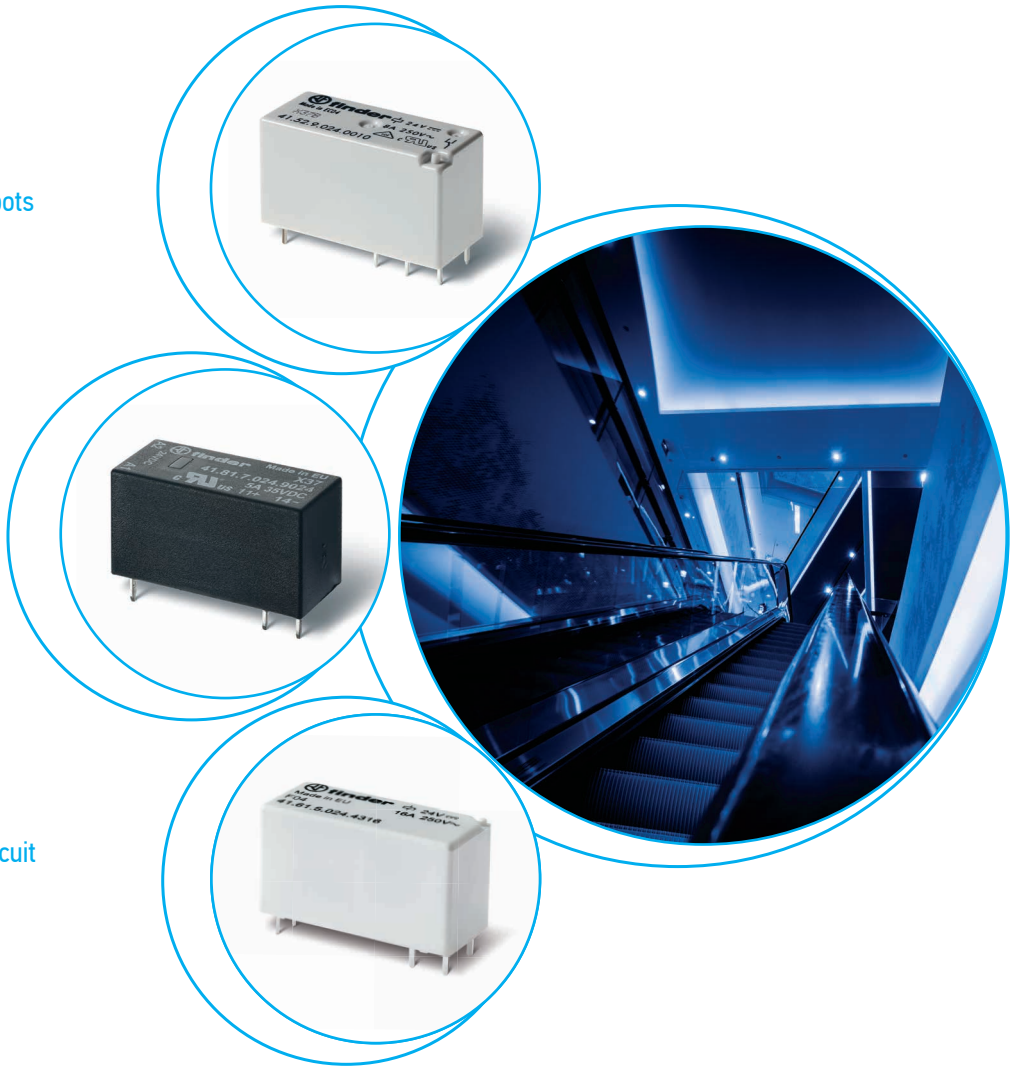
finder
SWITCH TO THE FUTURE

41
SERIES

# Low profile PCB relays
# 3 - 5 - 8 - 12 - 16 A

- Medical and dentistry
- Industrial robots
- Building automation
- Control systems
- Timers and lighting controls
- Door and gate openers
- Electronic circuit boards
- Vending machines



sales@prom-elec.com / ООО ПРОМЭЛЕКТРОНИКА

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**1 & 2 Pole - Low profile (15.7 mm height)**
**Type 41.31**
- 1 Pole 12 A (3.5 mm pin pitch)

**Type 41.52**
- 2 Pole 8 A (5.0 mm pin pitch)

**Type 41.61**
- 1 Pole 16 A (5.0 mm pin pitch)

**PCB mount**
**- direct or via PCB socket**
**35 mm rail mount**
**- via screw and screwless sockets**

- AC and DC coils
- 8 mm, 6 kV (1.2/50 µs) isolation, coil-contacts
- Cadmium Free contact materials
- Flux proof: RT II standard, (RT III option)

**41.31**

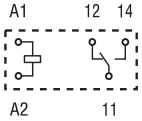
- 3.5 mm contact pin pitch
- 1 Pole 12 A
- PCB direct or via socket

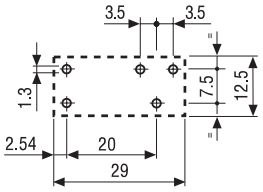
**41.52**

- 5.0 mm contact pin pitch
- 2 Pole 8 A
- PCB direct or via socket

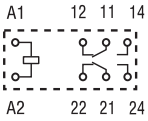
**41.61**

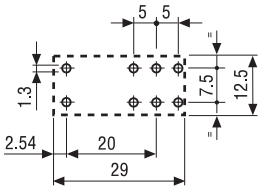
- 5.0 mm contact pin pitch
- 1 Pole 16 A
- PCB direct or via socket



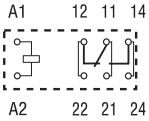



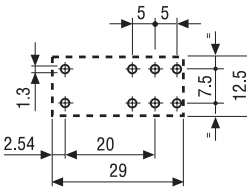

Copper side view




Copper side view




Copper side view

****With the $AgSnO_2$ material the maximum peak current is 80 A - 5 ms on NO contact.**

*For UL ratings see:*
*"General technical information" page* V

For outline drawing see page 9

| | | 41.31 | 41.52 | 41.61 |
|---|---|---|---|---|
| **Contact specification** | | | | |
| Contact configuration | | 1 CO (SPDT) | 2 CO (DPDT) | 1 CO (SPDT) |
| Rated current/ Maximum peak current | A | 12/25 | 8/15 | 16/30** |
| Rated voltage/ Maximum switching voltage | V AC | 250/400 | 250/400 | 250/400 |
| Rated load AC1 | VA | 3000 | 2000 | 4000 |
| Rated load AC15 (230 V AC) | VA | 600 | 400 | 750 |
| Single phase motor rating (230 V AC) | kW | 0.5 | 0.3 | 0.5 |
| Breaking capacity DC1: 24/110/220 V | A | 12/0.3/0.12 | 8/0.3/0.12 | 16/0.3/0.12 |
| Minimum switching load | mW (V/mA) | 300 (5/5) | 300 (5/5) | 300 (5/5) |
| Standard contact material | | AgNi | AgNi | AgNi |
| **Coil specification** | | | | |
| Nominal voltage ($U_N$) | V AC (50/60 Hz) | 24 - 230 | 24 - 230 | 24 - 230 |
| | V DC | 5 - 6 - 12 - 24 - 48 - 60 - 110 | 5 - 6 - 12 - 24 - 48 - 60 - 110 | 5 - 6 - 12 - 24 - 48 - 60 - 110 |
| Rated power AC/DC | VA (50 Hz)/W | 0.75/0.4 | 0.75/0.4 | 0.75/0.4 |
| Operating range | AC | $(0.8…1.1)U_N$ | $(0.8…1.1)U_N$ | $(0.8…1.1)U_N$ |
| | DC | $(0.7…1.5)U_N$ | $(0.7…1.5)U_N$ | $(0.7…1.5)U_N$ |
| Holding voltage | AC/DC | 0.8/0.4 $U_N$ | 0.8/0.4 $U_N$ | 0.8/0.4 $U_N$ |
| Must drop-out voltage | AC/DC | 0.15/0.1 $U_N$ | 0.15/0.1 $U_N$ | 0.15/0.1 $U_N$ |
| **Technical data** | | | | |
| Mechanical life AC/DC | cycles | $10 \cdot 10^6$ / $10 \cdot 10^6$ | $10 \cdot 10^6$ / $10 \cdot 10^6$ | $10 \cdot 10^6$ / $10 \cdot 10^6$ |
| Electrical life at rated load AC1 | cycles | $60 \cdot 10^3$ | $60 \cdot 10^3$ | $50 \cdot 10^3$ |
| Operate/release time | ms | 8/6 | 8/6 | 8/6 |
| Insulation between coil and contacts (1.2/50 µs) | kV | 6 (8 mm) | 6 (8 mm) | 6 (8 mm) |
| Dielectric strength between open contacts | V AC | 1000 | 1000 | 1000 |
| Ambient temperature range AC/DC | °C | –40…+70/–40… +85 | –40…+70/–40… +85 | –40…+70/–40… +85 |
| Environmental protection | | RT II | RT II | RT II |
| **Approvals** (according to type) | | EAC 03 RINA c UL us VDE | | |

# 41 SERIES
## Bistable low profile PCB relays 8 - 16 A

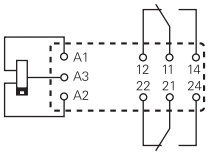
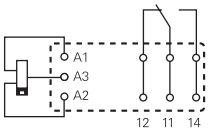
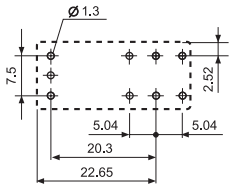
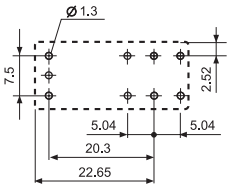
A

**1 & 2 Pole - Polarized bistable, Low profile (15.7 mm height)**
**Type 41.52**
- 2 Pole 8 A (5.0 mm pin pitch)

**Type 41.61**
- 1 Pole 16 A (5.0 mm pin pitch)

**Printed Circuit mount**

- Polarized bistable relay with 2 coils
- 10 mm, 6 kV (1.2/50 µs) isolation, coil-contacts
- Cadmium Free contact materials
- Flux proof: RT II standard

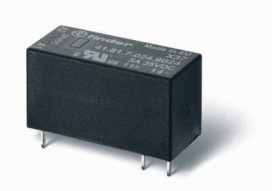
| | 41.52.6.xxx | 41.61.6.xxx |
|---|---|---|
| | | |
| | • 2 Pole, 8 A<br>• PCB direct mount | • 1 Pole, 16 A<br>• PCB direct mount |
| |  |  |
| | 2 coil version:<br>A3(+) A2 (–) = Set<br>A3(+) A1 (–) = Reset | 2 coil version:<br>A3(+) A2 (–) = Set<br>A3(+) A1 (–) = Reset |
| |  |  |
| For outline drawing see page 9 | Copper side view | Copper side view |
| **Contact specification** | | |
| Contact configuration | 2 CO (DPDT) | 1 CO (SPDT) |
| Rated current/ Maximum peak current ($I_N/I_{max}$) A | 8/15 | 16/30 |
| Rated voltage/ Maximum switching voltage ($U_N/U_{max}$) V AC | 250/400 | 250/400 |
| Rated load AC1 VA | 2000 | 4000 |
| Rated load AC15 (230 V AC) VA | 350 | 750 |
| Single phase motor rating (230 V AC) kW | 0.37 | 0.55 |
| Breaking capacity DC1: 24/110/220 V A | 8/0.3/0.12 | 16/0.3/0.12 |
| Minimum switching load mW (V/mA) | 500 (5/100) | 500 (5/100) |
| Standard contact material | $AgSnO_2$ | $AgSnO_2$ |
| **Coil specification** | | |
| Nominal voltage ($U_N$) V DC | 5 - 12 - 24 | 5 - 12 - 24 |
| Rated power ($P_N$) W | 0.65 | 0.65 |
| Operating range DC | $(0.7\ldots1.1)U_N$ | $(0.7\ldots1.1)U_N$ |
| Min. impulse duration ms | 20 | 20 |
| Max. impulse duration s | 30 | 30 |
| **Technical data** | | |
| Mechanical life DC cycles | $5 \cdot 10^6$ | $5 \cdot 10^6$ |
| Electrical life at rated load AC1 cycles | $30 \cdot 10^3$ | $30 \cdot 10^3$ |
| Operate/release time ms | 10/5 | 10/10 |
| Insulation between coil and contacts (1.2/50 µs) kV | 6 (10 mm) | 6 (10 mm) |
| Dielectric strength between open contacts V AC | 1000 | 1000 |
| Ambient temperature range °C | –40…+85 | –40…+85 |
| Environmental protection | RT II | RT II |
| **Approvals** (according to type) | EAC cULus VDE | |

**Solid State Relays**

**Printed circuit mount:**
**- direct or via PCB socket**
**35 mm rail mount:**
**- via screw or screwless sockets**

- Single circuit output switching options
  - 5 A 24 V DC
  - 3 A 240 V AC
- Silent, high speed switching with long electrical life
- LED indicator
- Low profile (15.7 mm)
- Wash tight: RT III
- 2500 V AC insulation, input-output

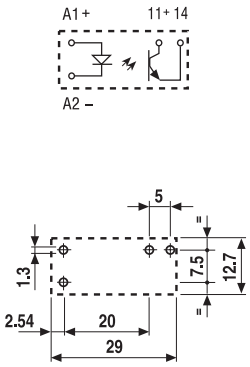
**41.81 - 9024**



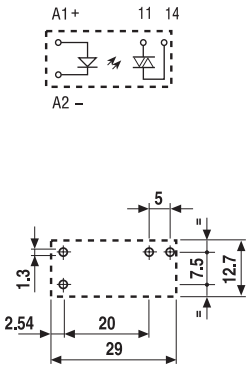
- 5 A, 24 V DC output switching
- PCB or 93 Series sockets

**41.81 - 8240**

- 3 A, 240 V AC output switching
- Zero crossing switching
- PCB or 93 Series sockets




Copper side view




Copper side view

For outline drawing see page 9

| | | | | | |
|---|---|---|---|---|---|
| **Output circuit** | | | | | |
| Contact configuration | | 1 NO (SPST-NO) | | 1 NO (SPST-NO) | |
| Rated current/ Maximum peak current (10 ms) | A | 5/40 | | 3/40 | |
| Rated voltage/ Maximum blocking voltage | V | (24/35)DC | | (240/—)AC | |
| Switching voltage range | V | (1.5…24)DC | | (12…275)AC | |
| Repetitive peak off-state voltage | $V_{pk}$ | — | | 600 | |
| Minimum switching current | mA | 1 | | 50 | |
| Max. "OFF-state" leakage current | mA | 0.01 | | 1 | |
| Max. "ON-state" voltage drop | V | 0.3 | | 1.1 | |
| **Input circuit** | | | | | |
| Nominal voltage | V DC | 12 | 24 | 12 | 24 |
| Operating range | V DC | 8…17 | 14…32 | 8…17 | 14…32 |
| Control current | mA | 5.5 | 9 | 8.8 | 9 |
| Release voltage | V DC | 4 | 9 | 4 | 9 |
| Impedance | Ω | 1550 | 2600 | 1030 | 2600 |
| **Technical data** | | | | | |
| Operate/release time | ms | 0.05/0.25 | | 10/10 | |
| Dielectric strength between input/output | V AC | 2500 | | 2500 | |
| Ambient temperature range | °C | –20…+60 | | –20…+60 | |
| Environmental protection | | RT III | | RT III | |
| **Approvals** (according to type) | | CE UKCA EAC cULus | | | |

## Ordering information

A

***Electromechanical relay (EMR)***

Example: 41 series low-profile PCB relay, 2 CO (DPDT), 24 V DC coil.

| 4 | 1 | . | 5 | 2 | . | 9 | . | 0 | 2 | 4 | . | 0 | 0 | 1 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | A | B | C | D |

**Series**

**Type**
3 = PCB - 3.5 mm pinning
5 = PCB - 5.0 mm pinning
6 = PCB - 5.0 mm pinning

**No. of poles**
1 = 1 pole for
41.31, 12 A
41.61, 16 A
2 = 2 pole for
41.52, 8 A

**Coil version**
6 = DC bistable, 2 coils
8 = AC
9 = DC

**Coil voltage**
See coil specifications

**A: Contact material**
0 = Standard AgNi
4 = $AgSnO_2$
5 = AgNi + Au

**B: Contact circuit**
0 = CO (nPDT)
3 = NO (nPST)

**C: Options**
0 = Production line 0
1 = Production line 1
2 = Production line 2

**D: Special versions**
0 = Flux proof (RT II)
1 = Wash tight (RT III)
6 = Bistable version (RT II)

**Selecting features and options: only combinations in the same row are possible.**
Preferred selections for best availability are shown in **bold**.

| Type | Coil version | A | B | C | D |
|---|---|---|---|---|---|
| 41.31 | DC | **0** - 4 - 5 | **0** - 3 | **1** | **0** - 1 |
| 41.52 | DC | **0** - 5 | **0** - 3 | **1** | **0** - 1 |
| 41.61 | DC | **0** - 4 | **0** - 3 | **1** | **0** - 1 |
| 41.31/61 | DC (12-24V) | **0** | **0** | **2** | **0** |
| 41.31/52/61 | AC | **0** | **0** | **0** | **0** |
| 41.52 | DC bistable | 4 | **0** | **1** | **6** |
| 41.61 | DC bistable | 4 | **0** - 3 | **1** | **6** |

***Solid state relay (SSR)***

Example: 41 series SSR relay, 5 A output, 24 V DC supply.

| 4 | 1 | . | 8 | 1 | . | 7 | . | 0 | 2 | 4 | . | 9 | 0 | 2 | 4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

**Series**

**Type**
8 = SSR type

**Output**
1 = 1 NO (SPST-NO)

**Input circuit**
See coil specifications

**Output circuit**
9024 = 5 A - 24 V DC
8240 = 3 A - 240 V AC

## Electromechanical relay



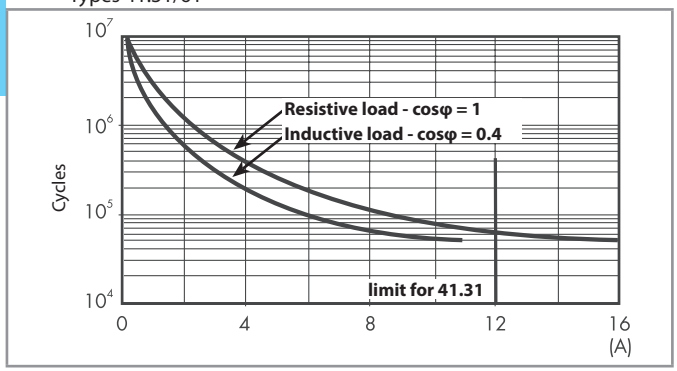
## Technical data

| Insulation according to EN 61810-1 | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 pole | | 1 pole bistable | 2 pole | | 2 pole bistable |
| Nominal voltage of supply system | V AC | 230/400 | | 230/400 | 230/400 | | 230/400 |
| Rated insulation voltage | V AC | 250 | 400 | 250 | 250 | 400 | 250 |
| Pollution degree | | 3 | 2 | 2 | 3 | 2 | 2 |
| **Insulation between coil and contact set** | | | | | | | |
| Type of insulation | | Reinforced (8 mm) | | Reinforced (10 mm) | Reinforced (8 mm) | | Reinforced (10 mm) |
| Overvoltage category | | III | | III | III | | III |
| Rated impulse voltage | kV (1.2/50 µs) | 6 | | 6 | 6 | | 6 |
| Dielectric strength | V AC | 4000 | | 4000 | 4000 | | 4000 |
| **Insulation between adjacent contacts** | | | | | | | |
| Type of insulation | | — | | — | Basic | | Basic |
| Overvoltage category | | — | | — | III | | III |
| Rated impulse voltage | kV (1.2/50 µs) | — | | — | 4 | | 4 |
| Dielectric strength | V AC | — | | — | 2000 | | 2000 |
| **Insulation between open contacts** | | | | | | | |
| Type of disconnection | | Micro-disconnection | | | Micro-disconnection | | |
| Dielectric strength | V AC/kV (1.2/50 µs) | 1000/1.5 | | | 1000/1.5 | | |
| **Insulation between coil terminals** | | | | | | | |
| Rated impulse voltage (surge) differential mode (according to EN 61000-4-5) | kV (1.2/50 µs) | 2 | | | | | |
| **Other data** | | | | | | | |
| Bounce time: NO/NC | ms | 4/6 (monostable) - 2/10 (bistable) | | | | | |
| Vibration resistance (5…55)Hz: NO/NC | g | 15/2 (monostable) - 5/3 (bistable) | | | | | |
| Shock resistance | g | 16 (monostable) - 10 (bistable) | | | | | |
| Power lost to the environment — without contact current | W | 0.4 (monostable) | | | | | |
| Power lost to the environment — with rated current | W | 1.7 (41.31) | | 1.2 (41.52) | | 1.8 (41.61) | |
| Recommended distance between relays mounted on PCB | mm | ≥ 5 | | | | | |

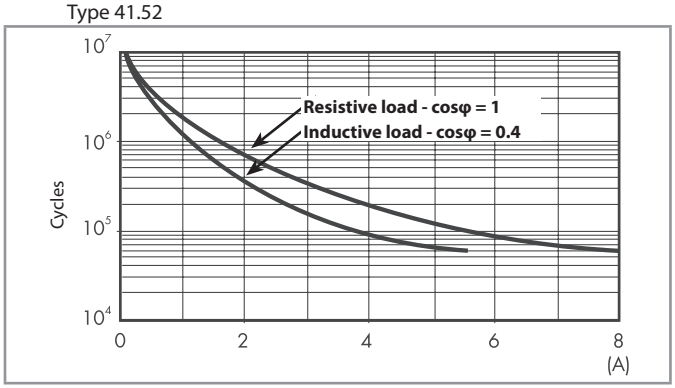
A

## Contact specification

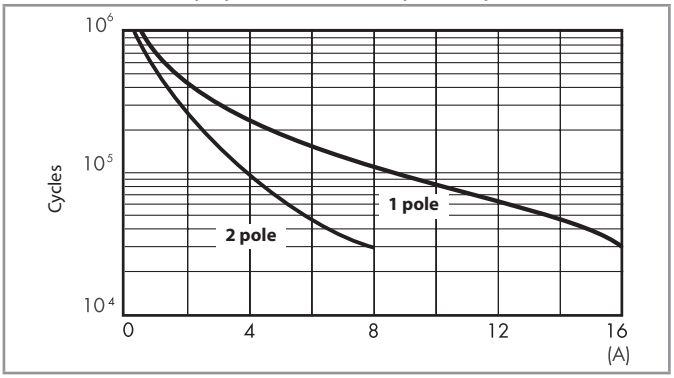
**F 41 - Electrical life (AC) v contact current (monostable)**
Types 41.31/61



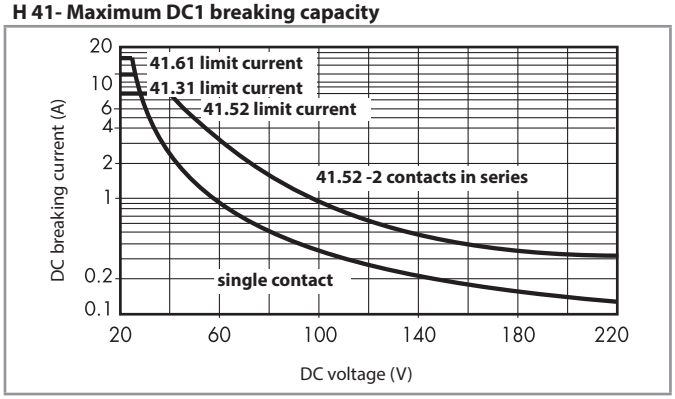

**F 41 - Electrical life (AC) v contact current (monostable)**
Type 41.52




**F 41 - Electrical life (AC) v contact current (bistable)**




**H 41- Maximum DC1 breaking capacity**




- When switching a resistive load (DC1) having voltage and current values under the curve, an electrical life of ≥ 100 · $10^3$ can be expected.
- In the case of DC13 loads, the connection of a diode in parallel with the load will permit a similar electrical life as for a DC1 load.
  Note: the release time for the load will be increased.

## Coil specifications

**AC coil data**

| Nominal voltage $U_N$ | Coil code | Operating range $U_{min}$ | $U_{max}$ | Resistance R | Rated coil consumption I at $U_N$ |
|---|---|---|---|---|---|
| V | | V | V | Ω | mA |
| 24 | **8**.024 | 19.2 | 26.4 | 350 | 31.6 |
| 230 | **8**.230 | 184 | 253 | 32500 | 3.2 |

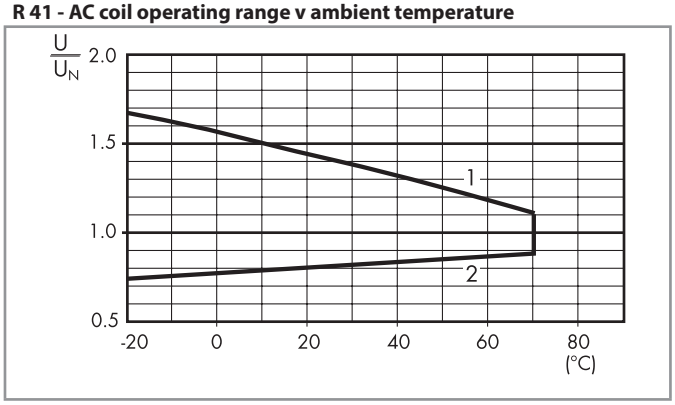
**DC coil data**

| Nominal voltage $U_N$ | Coil code | Operating range $U_{min}$ | $U_{max}$ | Resistance R | Rated coil consumption I at $U_N$ |
|---|---|---|---|---|---|
| V | | V | V | Ω | mA |
| 5 | **9**.005 | 3.5 | 7.5 | 62 | 80 |
| 6 | **9**.006 | 4.2 | 9 | 90 | 66.7 |
| 12 | **9**.012 | 8.4 | 18 | 360 | 33.3 |
| 24 | **9**.024 | 16.8 | 36 | 1440 | 16.7 |
| 48 | **9**.048 | 33.6 | 72 | 5760 | 8.3 |
| 60 | **9**.060 | 42 | 90 | 9000 | 6.6 |
| 110 | **9**.110 | 77 | 165 | 24200 | 4.5 |

**DC coil data (bistable)**

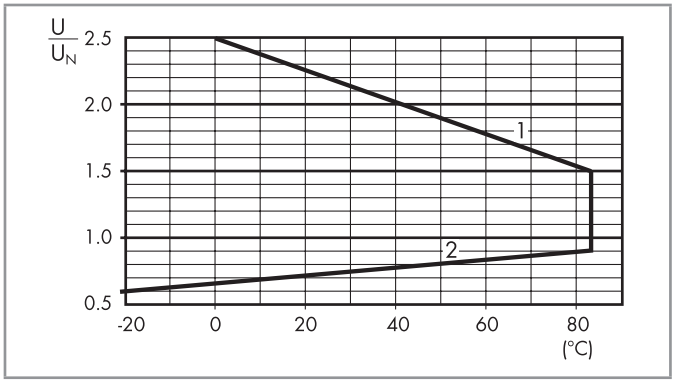
| Nominal voltage $U_N$ | Coil code | Operating range Set $U_{min}$ | Reset $U_{min}$ | Set/Reset $U_{max}$ | Resistance R | Rated coil power I at $U_N$ |
|---|---|---|---|---|---|---|
| V | | V | V | V | Ω | mW |
| 5 | **6**.005 | 3.5 | 3.5 | 5.5 | 38 | 650 |
| 12 | **6**.012 | 8.4 | 8.4 | 13.2 | 220 | 650 |
| 24 | **6**.024 | 16.8 | 16.8 | 26.4 | 885 | 650 |

**R 41 - AC coil operating range v ambient temperature**




**1 -** Max. permitted coil voltage.
**2 -** Min. pick-up voltage with coil at ambient temperature.

**R 41 - DC coil operating range v ambient temperature**




**1 -** Max. permitted coil voltage.
**2 -** Min. pick-up voltage with coil at ambient temperature.

## Solid state relay

## Technical data

| Other data | | | 41.81 - 9024 | 41.81 - 8240 |
|---|---|---|---|---|
| Power lost to the environment | without current | W | 0.25 | 0.25 |
| | with maximum current | W | 1.75 | 3.5 |

A

## Input specification

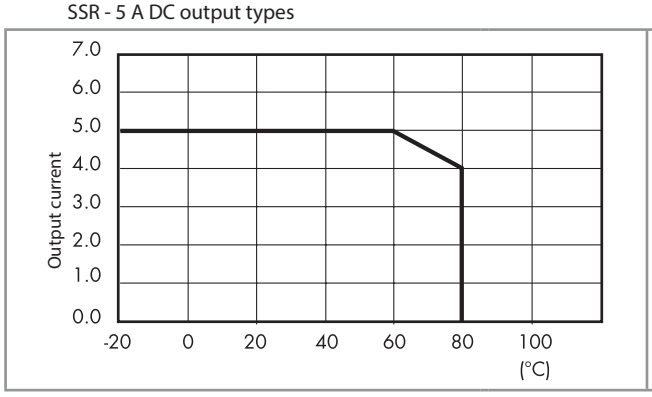
**Input data - DC types**

| Nominal voltage $U_N$ | Input code | Operating range $U_{min}$ | Operating range $U_{max}$ | Release voltage | Impedance | Control current I at $U_N$ |
|---|---|---|---|---|---|---|
| V | | V | V | V | Ω | mA |
| 12 | **7**.012 | 8 | 17 | 4 | 1550 | 5.5 |
| 24 | **7**.024 | 14 | 32 | 9 | 2600 | 9 |

## Output specification

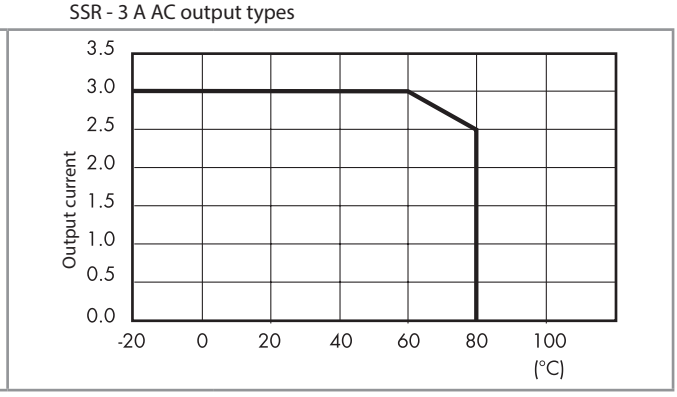
**L 41 - Output current v ambient temperature**

SSR - 5 A DC output types



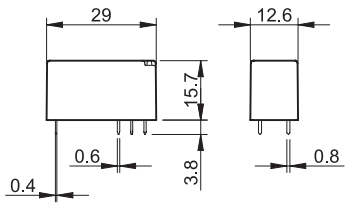

**L 41 - Output current v ambient temperature**

SSR - 3 A AC output types

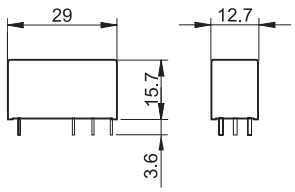



## Outline drawings

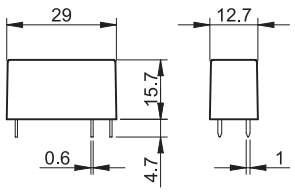
Types 41.31/52/61




Types 41.52.6.xxx/41.61.6.xxx




Types 41.81-9024/41.81-8240



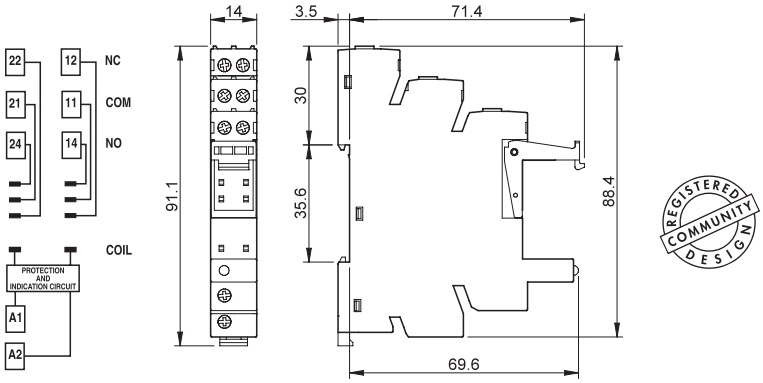
# 93 SERIES
## Sockets and accessories for 41 series relays

A

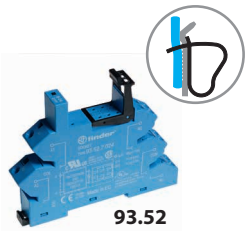
Approvals (according to type):

| **Screw terminal socket** 35 mm (EN 60715) mounting | | |
|---|---|---|
| **Supply voltage** | **Relay type** | **Socket type** |
| 6 V AC/DC | 41.52.9.005.0010 or 41.61.9.005.0010 | 93.02.0.024 |
| 12 V AC/DC | 41.52.9.012.0010 or 41.61.9.012.0010 | 93.02.0.024 |
| 24 V AC/DC | 41.52/61.9.024.0010 or 41.81.7.024.xxxx | 93.02.0.024 |
| 60 V AC/DC | 41.52.9.060.0010 or 41.61.9.060.0010 | 93.02.0.060 |
| (110…125)V AC/DC | 41.52.9.110.0010 or 41.61.9.110.0010 | 93.02.0.125 |
| (220…240)V AC/DC | 41.52.9.110.0010 or 41.61.9.110.0010 | 93.02.0.240 |
| (230…240)V AC | 41.52.9.110.0010 or 41.61.9.110.0010 | 93.02.8.230 |
| 6 V DC | 41.52.9.005.0010 or 41.61.9.005.0010 | 93.02.7.024 |
| 12 V DC | 41.52/61.9.012.0010 or 41.81.7.012.xxxx | 93.02.7.024 |
| 24 V DC | 41.52/61.9.024.0010 or 41.81.7.024.xxxx | 93.02.7.024 |
| 48 V DC | 41.52.9.048.0010 or 41.61.9.048.0010 | 93.02.7.060 |
| 60 V DC | 41.52.9.060.0010 or 41.61.9.060.0010 | 93.02.7.060 |
| **Accessories** | | |
| 8-way jumper link | 093.08 (see specification next page) | |
| Plastic separator | 093.01 (see specification next page) | |
| Sheet of marker tags, 48 tags | 060.48 (see specification next page) | |
| **Technical data** | | |
| Rated values | 10 A - 250 V* | |
| Dielectric strength | 6 kV (1.2/50 µs) between coil and contacts | |
| Protection category | IP 20 | |
| Ambient temperature ($U_N$ ≤ 60 V / > 60 V) °C | –40…+70/–40…+55 | |
| Screw torque Nm | 0.5 | |
| Wire strip length mm | 8 | |
| Max. wire size for 93.02 socket | solid wire | stranded wire |
| mm² | 1 x 6 / 2 x 2.5 | 1 x 4 / 2 x 2.5 |
| AWG | 1 x 10 / 2 x 14 | 1 x 12 / 2 x 14 |

* For currents > 10 A, contact terminals must be connected in parallel (21 with 11, 24 with 14, 22 with 12).

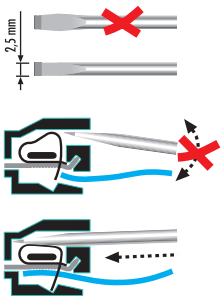



Note: Not for bistable relays

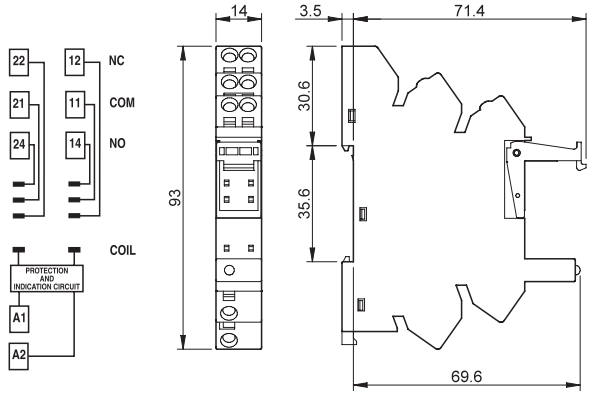



Approvals
(according to type):

| **Screwless terminal socket** 35 mm (EN 60715) mounting | | |
|---|---|---|
| **Supply voltage** | **Relay type** | **Socket type** |
| 6 V AC/DC | 41.52.9.005.0010 or 41.61.9.005.0010 | 93.52.0.024 |
| 12 V AC/DC | 41.52.9.012.0010 or 41.61.9.012.0010 | 93.52.0.024 |
| 24 V AC/DC | 41.52/61.9.024.0010 or 41.81.7.024.xxxx | 93.52.0.024 |
| 60 V AC/DC | 41.52.9.060.0010 or 41.61.9.060.0010 | 93.52.0.060 |
| (110…125)V AC/DC | 41.52.9.110.0010 or 41.61.9.110.0010 | 93.52.0.125 |
| (220…240)V AC/DC | 41.52.9.110.0010 or 41.61.9.110.0010 | 93.52.0.240 |
| (230…240)V AC | 41.52.9.110.0010 or 41.61.9.110.0010 | 93.52.8.230 |
| 6 V DC | 41.52.9.005.0010 or 41.61.9.005.0010 | 93.52.7.024 |
| 12 V DC | 41.52/61.9.012.0010 or 41.81.7.012.xxxx | 93.52.7.024 |
| 24 V DC | 41.52/61.9.024.0010 or 41.81.7.024.xxxx | 93.52.7.024 |
| 48 V DC | 41.52.9.048.0010 or 41.61.9.048.0010 | 93.52.7.060 |
| 60 V DC | 41.52.9.060.0010 or 41.61.9.060.0010 | 93.52.7.060 |
| **Accessories** | | |
| 8-way jumper link | 093.08 (see table below) | |
| Plastic separator | 093.01 (see table below) | |
| Sheet of marker tags, 48 tags | 060.48 (see table below) | |
| **Technical data** | | |
| Rated values | 10 A - 250 V* | |
| Dielectric strength | 6 kV (1.2/50 µs) between coil and contacts | |
| Protection category | IP 20 | |
| Ambient temperature ($U_N \leq 60$ V / > 60 V) °C | –40…+70/–40…+55 | |
| Wire strip length mm | 8 | |
| Max. wire size for 93.52 socket | solid wire | stranded wire |
| mm² | 1 x 2.5 | 1 x 2.5 |
| AWG | 1 x 14 | 1 x 14 |

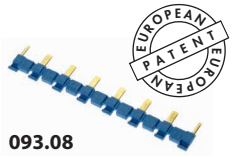



* For currents > 10 A, contact terminals must be connected in parallel (21 with 11, 24 with 14, 22 with 12).



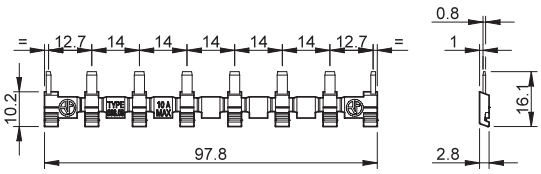

Note: Not for bistable relays

## Accessories



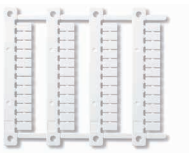

Approvals
(according to type):

| **8-way jumper link** for 93.02 and 93.52 sockets | 093.08 (blue) | 093.08.0 (black) | 093.08.1 (red) |
|---|---|---|---|
| Rated values | 10 A - 250 V | | |



| **Plastic separator** for 93.02 and 93.52 sockets | 093.01 |
|---|---|

Thickness 2 mm, required at the start and the end of a group of interfaces.
Can be used for visual separation group, must be used for:
- protective separation of different voltages of neighbouring PLC interfaces according to VDE 0106-101
- protection of cut jumper links




| **Sheet of marker tags (CEMBRE Thermal transfer printers)**, plastic, 48 tags, 6 x 12 mm | 060.48 |
|---|---|

# 93 SERIES
## Sockets and accessories for 41 series relays

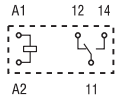
95.13.2

95.15.2

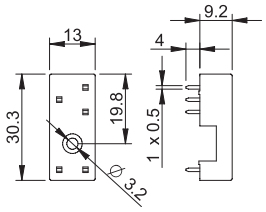
Approvals
(according to type):

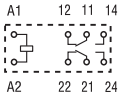
| PCB socket | 95.13.2 (blue) | 95.13.20 (black) | 95.15.2 (blue) | 95.15.20 (black) |
|---|---|---|---|---|
| For relay type | 41.31 | | 41.52, 41.61, 41.81 (1) | |
| **Accessories** | | | | |
| Plastic retaining clip (supplied with socket - packaging code SLA) | 095.42.30 | | | |
| Metal retaining clip | 095.41.3 | | | |
| **Technical data** | | | | |
| Rated values | 10 A - 250 V* | | | |
| Dielectric strength | 6 kV (1.2/50 µs) between coil and contacts | | | |
| Protection category | IP 20 | | | |
| Ambient temperature °C | –40…+70 | | | |

* For currents > 10 A, contact terminals must be connected in parallel (21 with 11, 24 with 14, 22 with 12).
(1) With the relay 41.81 the NO change-over contact will be 11-14.

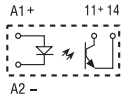


41.31

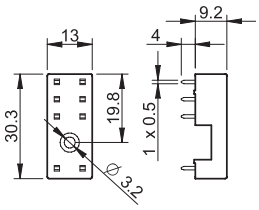


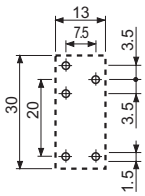



41.52

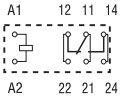


41.81 - 9024

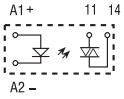


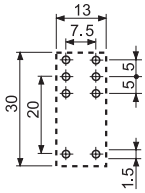
95.13.2
Copper side view



41.61



41.81 - 8240



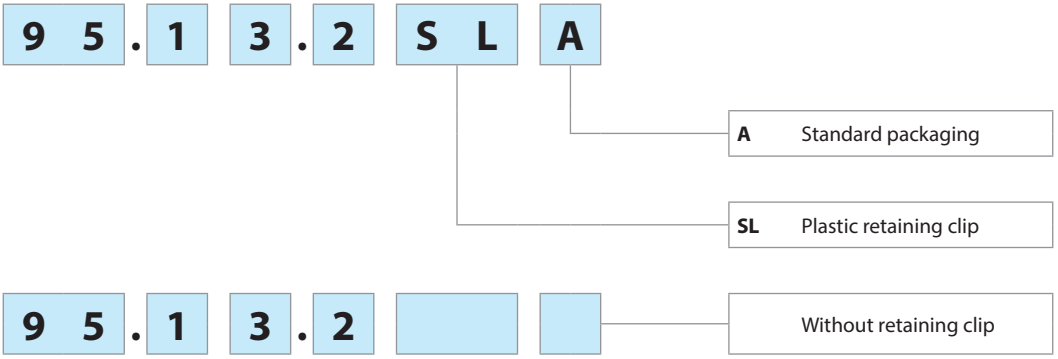
95.15.2
Copper side view

Note: Not for bistable relays

## Packaging codes

**How to code and identify retaining clip and packaging options for sockets.**

Example:





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