

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



Medical and
dentistry



Industrial robots



Building
automation



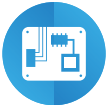
Control
systems



Timers and
lighting
controls



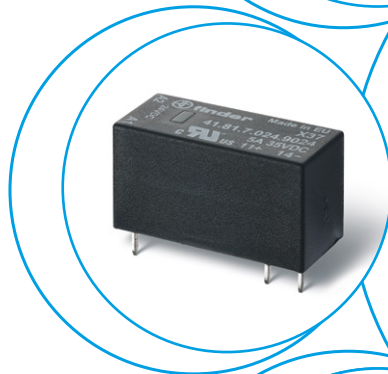
Door and
gate openers



Electronic circuit
boards



Vending
machines



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)

**With the AgSnO₂ 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

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: 30/110/220 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 · 10⁶ / 10 · 10⁶

10 · 10⁶ / 10 · 10⁶

10 · 10⁶ / 10 · 10⁶

Electrical life at rated load AC1

cycles

60 · 10³

60 · 10³

50 · 10³

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

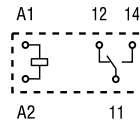
RT II

Approvals (according to type)



41.31

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

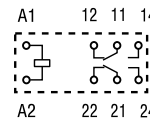


Copper side view



41.52

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

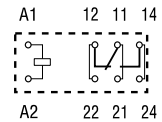


Copper side view

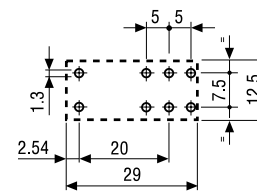
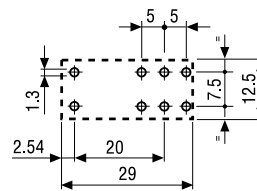
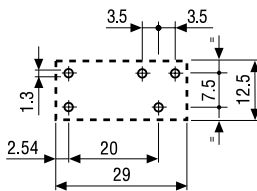


41.61

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



Copper side view



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 μ s) isolation, coil-contacts
- Cadmium Free contact materials
- Flux proof: RT II standard

41.52.6.xxx

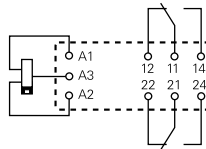


- 2 Pole, 8 A
- PCB direct mount

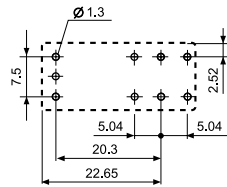
41.61.6.xxx



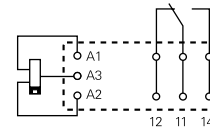
- 1 Pole, 16 A
- PCB direct mount



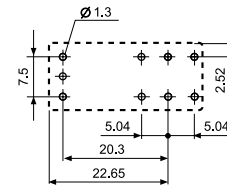
2 coil version:
A3(+) A2 (-) = Set
A3(+) A1 (-) = Reset



Copper side view



2 coil version:
A3(+) A2 (-) = Set
A3(+) A1 (-) = Reset



Copper side view

For outline drawing see page 9

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: 30/110/220 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



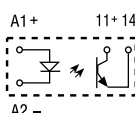
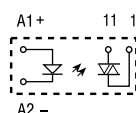
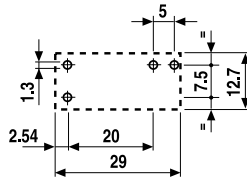
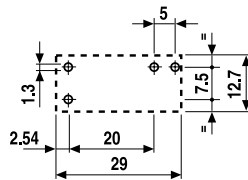

| | | | |
|---------------------------|------|-------------------|-------------------|
| Nominal voltage (U_N) | V DC | 5 - 12 - 24 | 5 - 12 - 24 |
| Rated power (P_N) | W | 0.65 | 0.65 |
| Operating range | DC | (0.7...1.1) U_N | (0.7...1.1) U_N |
| Min. impulse duration | ms | 20 | 20 |
| Max. impulse duration | s | 30 | 30 |

Technical data

| | | | |
|---|--------|----------------------|----------------------|
| Mechanical life DC | cycles | 5 · 10 ⁶ | 5 · 10 ⁶ |
| Electrical life at rated load AC1 | cycles | 30 · 10 ³ | 30 · 10 ³ |
| Operate/release time | ms | 10/5 | 10/10 |
| Insulation between coil and contacts (1.2/50 μ s) | 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)



| | | | |
|--|---|---|---------------------|
| <p>Solid State Relays</p> <p>Printed circuit mount: - direct or via PCB socket</p> <p>35 mm rail mount: - via screw or screwless sockets</p> <ul style="list-style-type: none"> • Single circuit output switching options <ul style="list-style-type: none"> - 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 | <p>41.81 - 9024</p>  | <p>41.81 - 8240</p>  | |
| | <ul style="list-style-type: none"> • 5 A, 24 V DC output switching • PCB or 93 Series sockets | <ul style="list-style-type: none"> • 3 A, 240 V AC output switching • Zero crossing switching • PCB or 93 Series sockets | |
| |  |  | |
| |  |  | |
| For outline drawing see page 9 | Copper side view | Copper side view | |
| Output circuit | | | |
| Contact configuration | 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 | $^{\circ}\text{C}$ | -20...+60 | -20...+60 |
| Environmental protection | | RT III | RT III |
| Approvals (according to type) |  | | |

Ordering information

Electromechanical relay (EMR)

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

A

4 1 . 5 2 . 9 . 0 2 4 . 0 0 1 0

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 = AgSnO₂
 5 = AgNi + Au

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

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

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 |
| 41.31/52/61 | 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

A

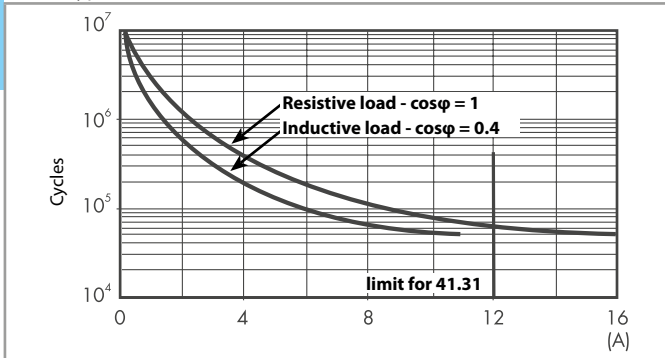
Technical data

| 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) | | | | |
| | 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 | | | | | |

Contact specification

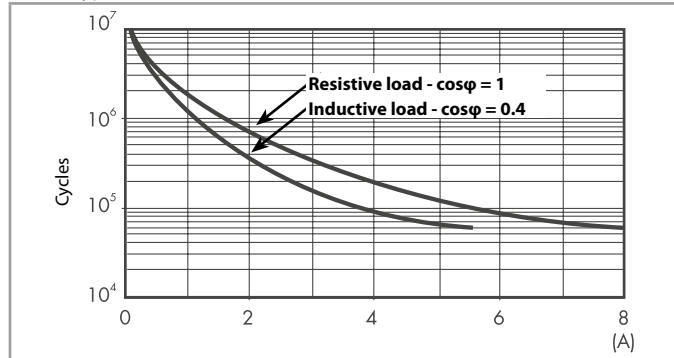
F 41 - Electrical life (AC) v contact current (monostable)

Types 41.31/61

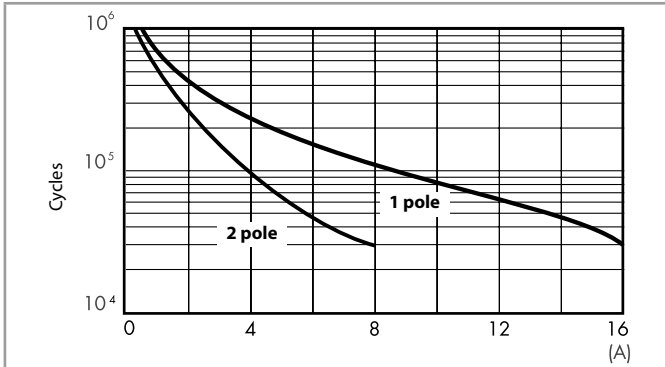


F 41 - Electrical life (AC) v contact current (monostable)

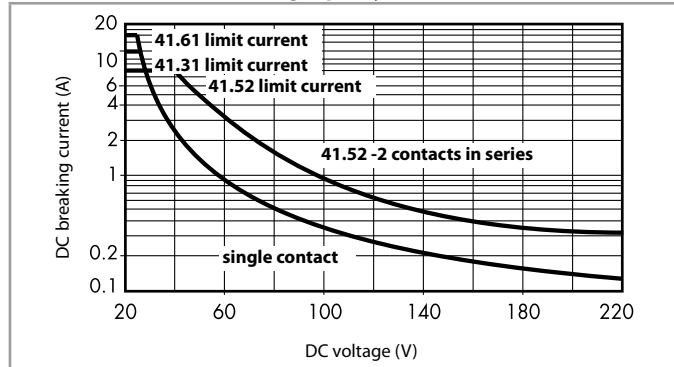
Type 41.52



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 $\geq 100 \cdot 10^3$ 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 V | Coil code | Operating range | | Resistance R Ω | Rated coil consumption I at U_N mA |
|-------------------------------|-----------|-----------------|----------------|-----------------------------|--|
| | | U_{min} V | U_{max} V | | |
| 24 | 8.024 | 19.2 | 26.4 | 350 | 31.6 |
| 230 | 8.230 | 184 | 253 | 32500 | 3.2 |

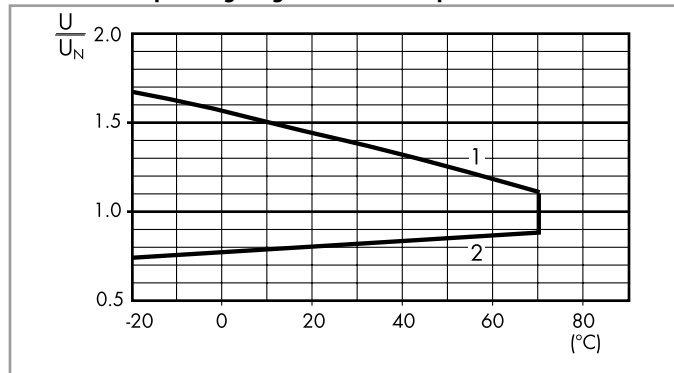
DC coil data

| Nominal voltage U_N V | Coil code | Operating range | | Resistance R Ω | Rated coil consumption I at U_N mA |
|-------------------------------|-----------|-----------------|----------------|-----------------------------|--|
| | | U_{min} V | U_{max} V | | |
| 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)

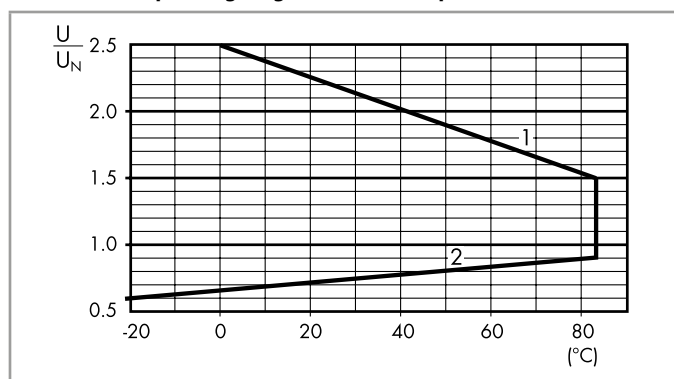
| Nominal voltage U_N V | Coil code | Operating range | | | Resistance R Ω | Rated coil power I at U_N mW |
|-------------------------------|-----------|-----------------------|-------------------------|-----------------------------|-----------------------------|--------------------------------------|
| | | Set U_{min} V | Reset U_{min} V | Set/Reset U_{max} V | | |
| 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 |

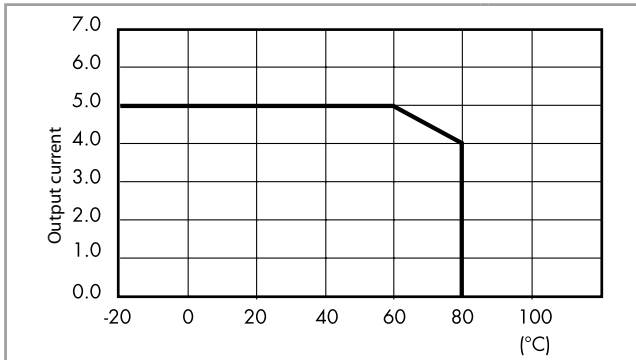
Input specification

Input data - DC types

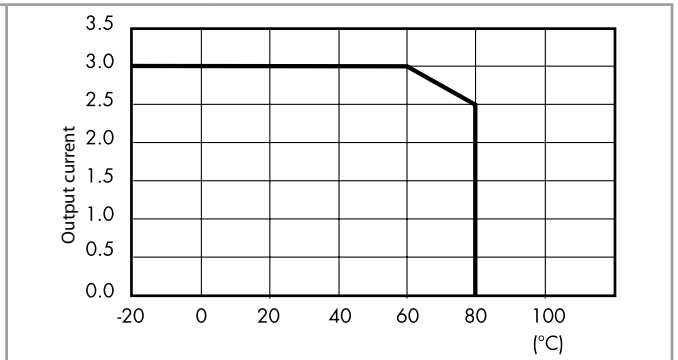
| Nominal voltage U_N | Input code | Operating range | | Release voltage | Impedance | Control current I at U_N |
|--------------------------|------------|-----------------|-----------|-----------------|-----------|---------------------------------|
| | | U_{min} | U_{max} | | | |
| V | | V | V | V | 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

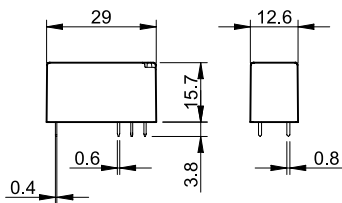


L 41 - Output current v ambient temperature
SSR - 3 A AC output types

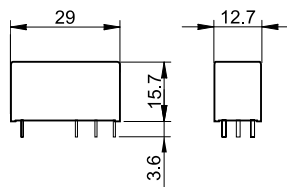


Outline drawings

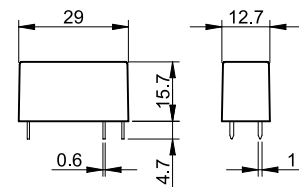
Types 41.31/52/61



Types 41.52.6.xxx/41.61.6.xxx



Types 41.81-9024/41.81-8240



A



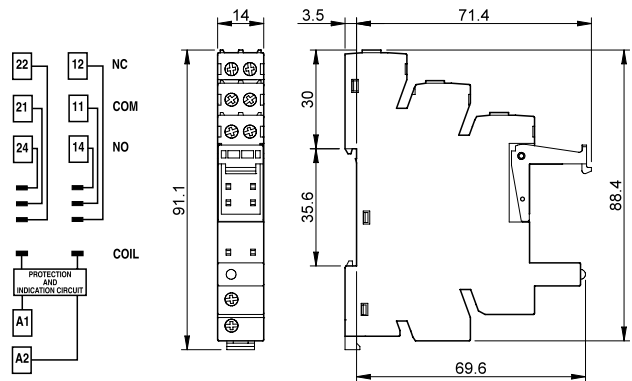
93.02

Approvals
(according to type):



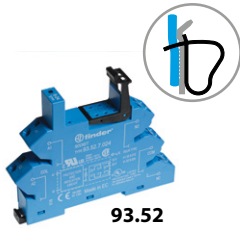
Screw terminal socket 35 mm (EN 60715) mounting

| 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 | |
| | mm ² | 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 |



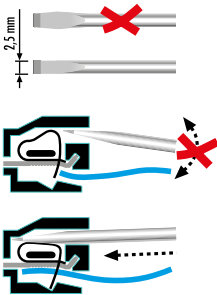
Note: Not for bistable relays

A



93.52

Approvals
(according to type):



Screw terminal socket 35 mm (EN 60715) mounting

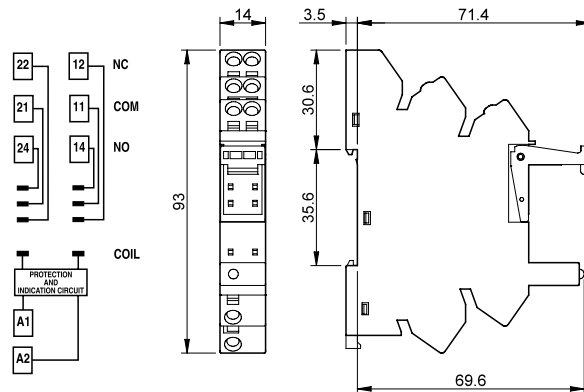
| Supply voltage | Relay type | Socket type |
|--------------------|---|-------------|
| 6 V AC/DC | 41.52.9.005.0010 or 41.61.9.005.0010 | 93.52.0.024 |
| 12 V AC/DC | 41.52.9.012.0010 or 41.61.9.012.0010 | 93.52.0.024 |
| 24 V AC/DC | 41.52/61.9.024.0010 or 41.81.7.024.xxxx | 93.52.0.024 |
| 60 V AC/DC | 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 ≤ 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 | |
| | mm ² | 1 x 2.5 | 1 x 2.5 |
| | AWG | 1 x 14 | 1 x 14 |



Note: Not for bistable relays

Accessories

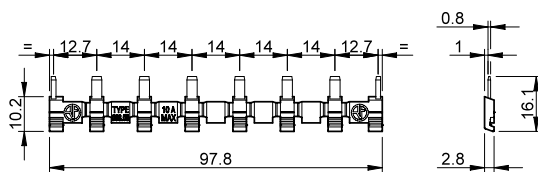


093.08

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 | | |



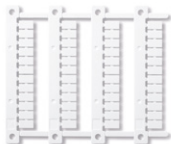
| | |
|--|--------|
| Plastic separator for 93.02 and 93.52 sockets | 093.01 |
|--|--------|

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 |
|---|--------|



060.48

A



95.13.2



95.15.2

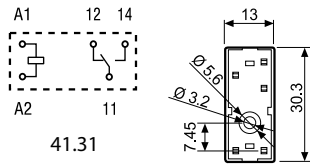
Approvals
(according to type):



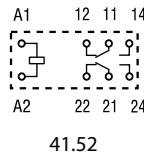
| PCB socket | 95.13.2 (blue) | 95.13.20 (black) | 95.15.2 (blue) | 95.15.20 (black) |
|---|--|---------------------|------------------------------------|---------------------|
| For relay type | 41.31 | | 41.52, 41.61, 41.81 ⁽¹⁾ | |
| Accessories | | | | |
| Plastic retaining clip (supplied with socket - packaging code SLA) | | | 095.42.30 | |
| Metal retaining clip | | | 095.31 | |
| 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).

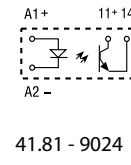
⁽¹⁾ With the relay 41.81 the NO change-over contact will be 11-14.



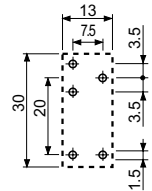
41.31



41.52

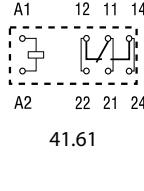


41.81 - 9024

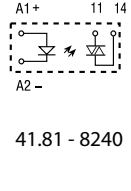


95.13.2

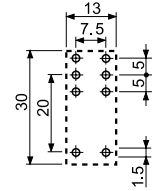
Copper side view



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:



A Standard packaging

SL Plastic retaining clip



Without retaining clip