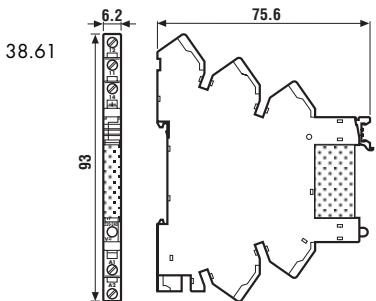
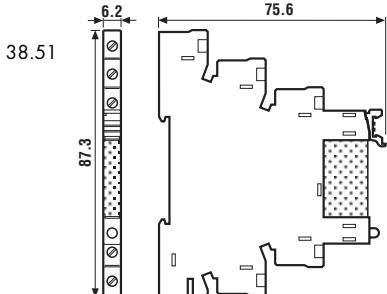


Features

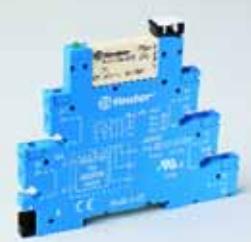
1 Pole - 6 A electromechanical relay interface modules, 6.2 mm wide.

Ideal interface for PLC and electronic systems

- Sensitive DC coil or AC/DC coil versions
- Integral coil indication and protection circuit
- Instant ejection of relay using plastic retaining clip
- UL Listed
- 35 mm rail (EN 50022) mounting



38.51



- Screw terminal
- 1 pole electromechanical relay
- 35 mm rail mounting

38.61



- Screwless terminal
- 1 pole electromechanical relay
- 35 mm rail mounting

38.51.3 / 38.61.3



- Leakage current suppression
- 1 pole electromechanical relay
- 35 mm rail mounting

38

Contact specification

| Contact configuration | 1 CO (SPDT) | 1 CO (SPDT) | 1 CO (SPDT) |
|--|-------------|-------------|-------------|
| Rated current/Maximum peak current A | 6/10 | 6/10 | 6/10 |
| Rated voltage/Maximum switching voltage V AC | 250/400 | 250/400 | 250/400 |
| Rated load AC1 VA | 1,500 | 1,500 | 1,500 |
| Rated load AC15 (230 V AC) VA | 300 | 300 | 300 |
| Single phase motor rating (230 V AC) kW | 0.185 | 0.185 | 0.185 |
| Breaking capacity DC1: 30/110/220 V A | 6/0.2/0.15 | 6/0.2/0.15 | 6/0.2/0.15 |
| Minimum switching load mW (V/mA) | 500 (12/10) | 500 (12/10) | 500 (12/10) |

Standard contact material

AgNi

Coil specification

| | | | | |
|---------------------------|---------|---|-------------|--------------------|
| Nominal voltage (U_N) | V AC/DC | 12 - 24 - 48 - 60 - (110...125) - (220...240) | (110...125) | (230...240)AC only |
| | V DC | 6 - 12 - 24 - 48 - 60 (non polarized) | — | — |

| | | | | |
|--------------------------------|--------------|--------------|-----|-------|
| Rated power AC/DC VA (50 Hz)/W | see page 121 | see page 121 | 1/1 | 0.5/— |
|--------------------------------|--------------|--------------|-----|-------|

| | | | | |
|-----------------------|-------------------|-------------------|------------------|-------------------|
| Operating range AC/DC | (0.8...1.1) U_N | (0.8...1.1) U_N | (94...138) U_N | (184...264) U_N |
| Operating range DC | (0.8...1.2) U_N | (0.8...1.2) U_N | — | — |

| | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| Holding voltage AC/DC | 0.6 U_N / 0.6 U_N | 0.6 U_N / 0.6 U_N | 0.6 U_N / 0.6 U_N |
|-----------------------|-----------------------|-----------------------|-----------------------|

| | | | | |
|-----------------------------|------------------------|------------------------|------|------|
| Must drop-out voltage AC/DC | 0.1 U_N / 0.05 U_N | 0.1 U_N / 0.05 U_N | 44 V | 92 V |
|-----------------------------|------------------------|------------------------|------|------|

Technical data

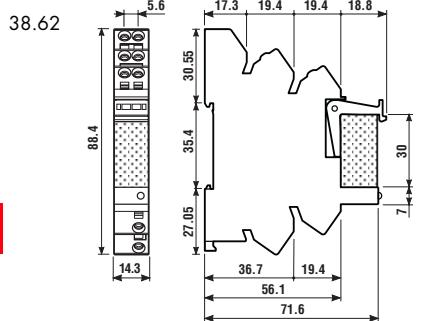
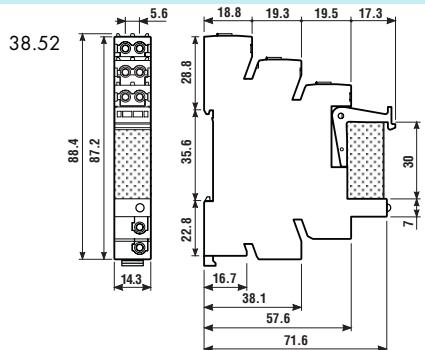
| | | | |
|---|----------------------|----------------------|----------------------|
| Mechanical life cycles | 10 · 10 ⁶ | 10 · 10 ⁶ | 10 · 10 ⁶ |
| Electrical life at rated load AC1 cycles | 60 · 10 ³ | 60 · 10 ³ | 60 · 10 ³ |
| Operate/release time ms | 5/6 | 5/6 | 5/6 |
| Insulation between coil and contacts (1.2/50 µs) kV | 6 (8 mm) | 6 (8 mm) | 6 (8 mm) |
| Dielectric strength between open contacts V AC | 1,000 | 1,000 | 1,000 |
| Ambient temperature range (≤ 60 V/>60 V) °C | -40...+70/-40...+55 | -40...+70/-40...+55 | -/-40...+55 |
| Protection category | IP 20 | IP 20 | IP 20 |
| Approvals relay (according to type) | | | |

Features

2 Pole - 8 A electromechanical relay interface modules, 14 mm wide.

Ideal interface for PLC and electronic systems

- Sensitive DC coil versions
- Integral coil indication and protection circuit
- Instant ejection of relay using plastic retaining clip
- 35 mm rail (EN 50022) mounting



38.52

NEW

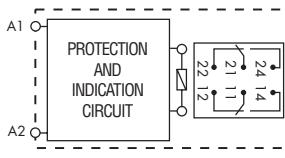
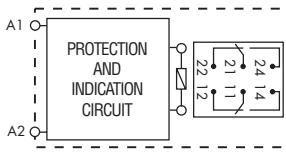
38.62

NEW



- Screw terminal
- 2 pole electromechanical relay
- 35 mm rail mounting

- Screwless terminal
- 2 pole electromechanical relay
- 35 mm rail mounting



38

Contact specification

| Contact configuration | 2 CO (DPDT) | 2 CO (DPDT) |
|--|-------------|-------------|
| Rated current/Maximum peak current A | 8/15 | 8/15 |
| Rated voltage/Maximum switching voltage V AC | 250/400 | 250/400 |
| Rated load AC1 VA | 2,000 | 2,000 |
| Rated load AC15 (230 V AC) VA | 400 | 400 |
| Single phase motor rating (230 V AC) kW | 0.3 | 0.3 |
| Breaking capacity DC1: 30/110/220 V A | 8/0.3/0.12 | 8/0.3/0.12 |
| Minimum switching load mW (V/mA) | 300 (5/5) | 300 (5/5) |
| Standard contact material | AgNi | AgNi |

Coil specification

| | | |
|-----------------------------------|----------------|-------------------|
| Nominal voltage (U_N) V AC/DC | — | — |
| | V DC | 12 - 24 - 60 |
| Rated power AC/DC VA (50 Hz)/W | —/0.5 | —/0.5 |
| Operating range AC/DC | — | — |
| | DC | (0.8...1.2) U_N |
| Holding voltage AC/DC | — / 0.6 U_N | — / 0.6 U_N |
| Must drop-out voltage AC/DC | — / 0.05 U_N | — / 0.05 U_N |

Technical data

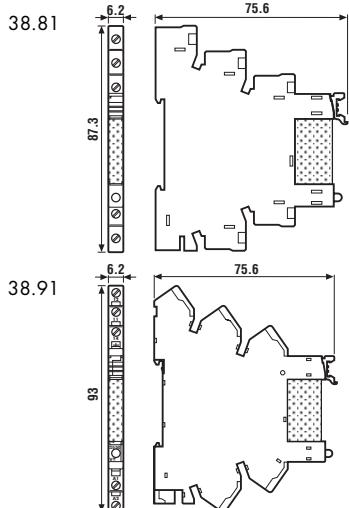
| | | |
|--|-----------------|-----------------|
| Mechanical life cycles | $30 \cdot 10^6$ | $30 \cdot 10^6$ |
| Electrical life at rated load AC1 cycles | $80 \cdot 10^3$ | $80 \cdot 10^3$ |
| Operate/release time ms | — | — |
| Insulation between coil and contacts (1.2/50 μ s) kV | 6 (8 mm) | 6 (8 mm) |
| Dielectric strength between open contacts V AC | 1,000 | 1,000 |
| Ambient temperature range °C | -40...+70 | -40...+70 |
| Protection category | IP 20 | IP 20 |
| Approvals relay (according to type) | | |

Features

Single output - solid state relay interface modules, 6.2 mm wide

Ideal interface for PLC and electronic systems

- DC, AC or AC/DC input versions
- Supplied with integral coil indication and protection circuit
- Silent, high switching speed and long electrical life
- Instant ejection of relay using plastic retaining clip
- UL listed
- 35 mm rail (EN 50022) mounting



38.81/38.91

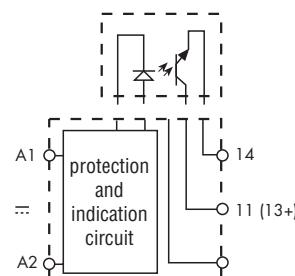
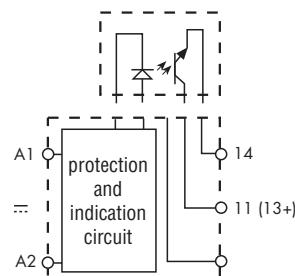


38.81.3/38.91.3



- AC or DC output switching
- SSR relay - DC input voltage
- 35 mm rail mounting

- AC or DC output - Leakage current suppression
- SSR relay - AC or AC/DC input voltage
- 35 mm rail mounting



Output circuit

| | | | | | | | |
|--|----|--------------|--------------|--------------|--------------|--------------|--------------|
| Rated current/Maximum peak current (10 ms) | A | 2/20 | 0.1/0.5 | 2/40 | 2/20 | 0.1/0.5 | 2/40 |
| Rated voltage/Maximum blocking voltage | V | 24/33 DC | 48/60 DC | 240/275 AC | 24/33 DC | 48/60 DC | 240/275 AC |
| Switching voltage range | V | (1.5...24)DC | (1.5...48)DC | (12...240)AC | (1.5...24)DC | (1.5...48)DC | (12...240)AC |
| Minimum switching current | mA | 1 | 0.05 | 22 | 1 | 0.05 | 22 |
| Max. "OFF-state" leakage current | mA | 0.001 | 0.001 | 1.5 | 0.001 | 0.001 | 1.5 |
| Max. "ON-state" voltage drop | V | 0.12 | 1 | 1.6 | 0.12 | 1 | 1.6 |

Input circuit

| | | | |
|---------------------------|----------|---------------------------|--------------------|
| Nominal voltage (U_N) | V AC | — | 230...240 |
| | V DC | 6 - 24 - 60 | — |
| | V AC/DC | (110...125) - (220...240) | 110...125 |
| Operating range | V DC | See table page 122 | See table page 122 |
| Control current | mA | See table page 122 | See table page 122 |
| Release voltage | V DC | See table page 122 | See table page 122 |
| Impedance | Ω | See table page 122 | See table page 122 |

Technical data

| | | | | | | | |
|--|-------------|---------|-----------|-------|---------|-----------|-------|
| Operate/release time | μs | 0.1/0.4 | 0.02/0.11 | 12/12 | 0.1/0.4 | 0.02/0.11 | 12/12 |
| Dielectric strength between input/output | V | 2,500 | 2,500 | | 2,500 | 2,500 | |
| Ambient temperature range | $^{\circ}C$ | — | -20...+55 | | — | -20...+55 | |
| Environmental protection | | IP20 | IP20 | | IP20 | IP20 | |
| Approvals (according to type) | | | | | | | |

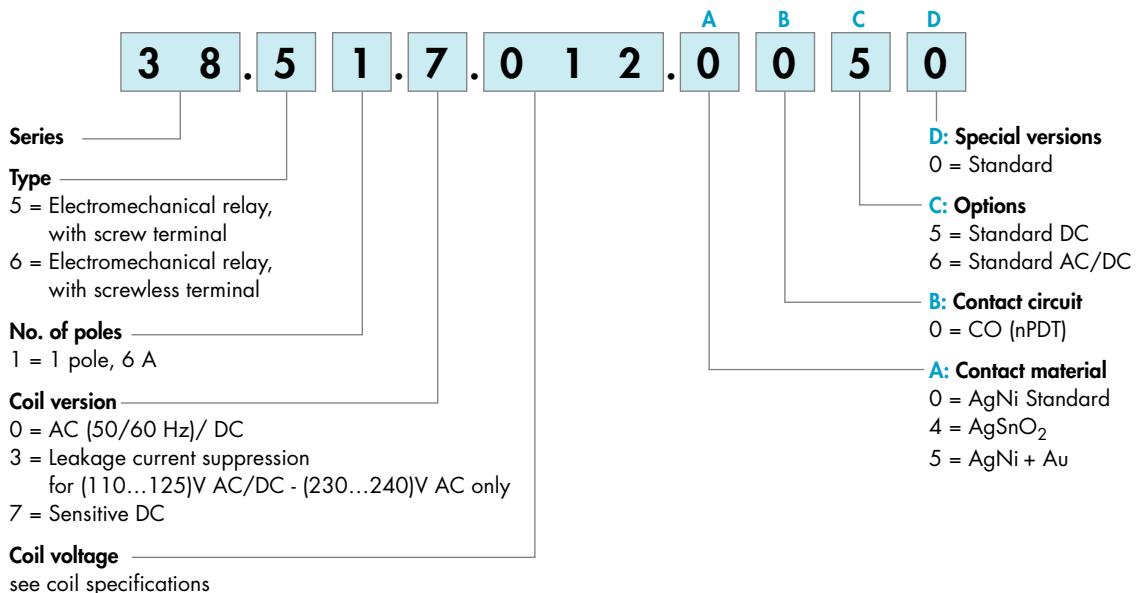


Electromechanical Relay

Ordering information

Electromechanical relay 1 Pole

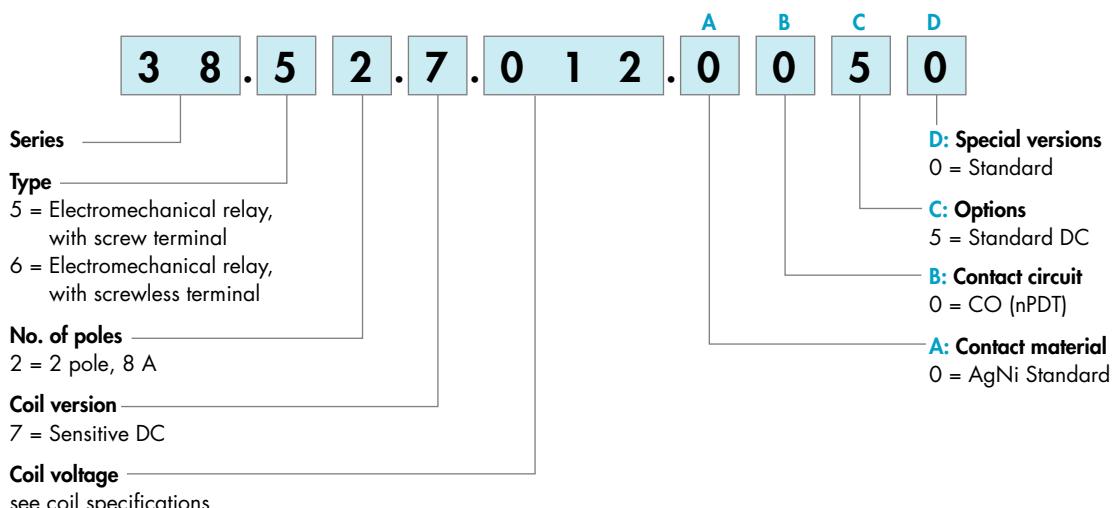
Example: 38 series relay interface module, 1 CO (SPDT), 12 V DC coil.



38

Electromechanical relay 2 Pole

Example: 38 series relay interface module, 2 CO (DPDT), 12 V DC coil.

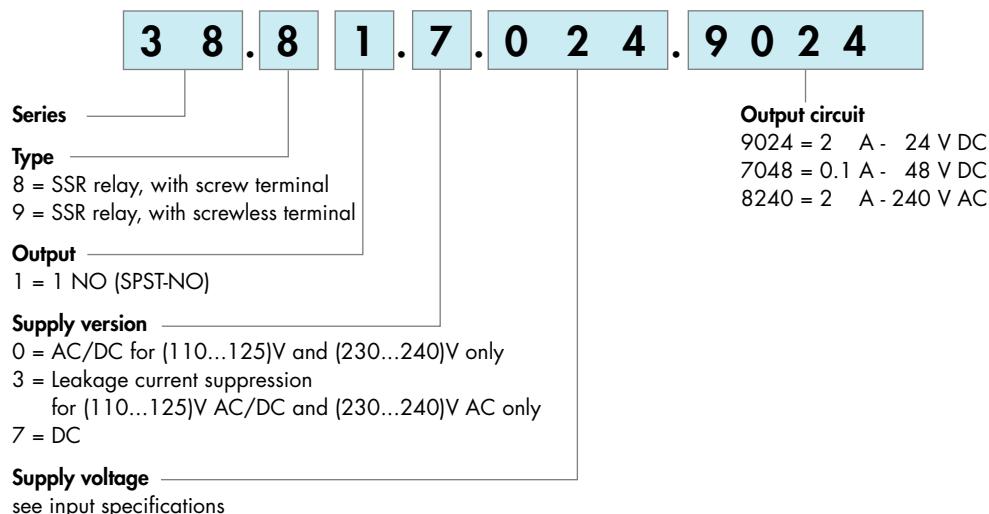


Solid State Relay

Ordering information

Solid state relay

Example: 38 series SSR relay interface module, 2 A, 24 V DC supply.



Electromechanical Relay

Technical data

Insulation

Insulation according to EN 61810-1 ed. 2

| | | | |
|---------------------------------|----|-----|-----|
| insulation rated voltage | V | 250 | 400 |
| rated impulse withstand voltage | kV | 4 | 4 |
| pollution degree | | 3 | 2 |
| overvoltage category | | III | III |

Insulation between coil and contacts (1.2/50 µs)

kV 6 (8 mm)

Dielectric strength between open contacts

V AC 1,000

Conducted disturbance immunity

Burst (5...50)ns, 5 kHz, on A1 - A2

EN 61000-4-4 level 4 (4 kV)

Surge (1.2/50 µs) on A1 - A2 (differential mode)

EN 61000-4-5 level 3 (2 kV)

Other data

Bounce time: NO/NC

ms 1/6 2/5

Vibration resistance (10...55)Hz, max. ± 1 mm: NO/NC

g/g 10/5 15/2

Power lost to the environment

without contact current

W 0.2 (12 V) - 0.9 (240 V) 0.5

with rated current

W 0.5 (12 V) - 1.5 (240 V) 1.3

38.51/52

38.61/62

Wire strip length

mm 10 10

Screw torque

Nm 0.5 —

Max. wire size

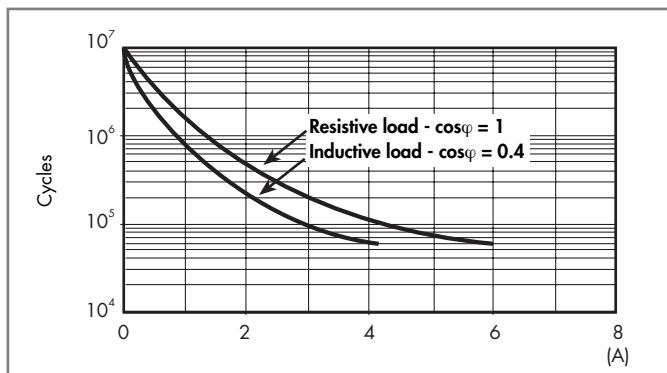
| | | | |
|-------------|----------------|-------------|----------------|
| solid cable | stranded cable | solid cable | stranded cable |
|-------------|----------------|-------------|----------------|

| | | | | |
|-----------------|-------------|-------------|-------|-------|
| mm ² | 1x2.5/2x1.5 | 1x2.5/2x1.5 | 1x2.5 | 1x2.5 |
|-----------------|-------------|-------------|-------|-------|

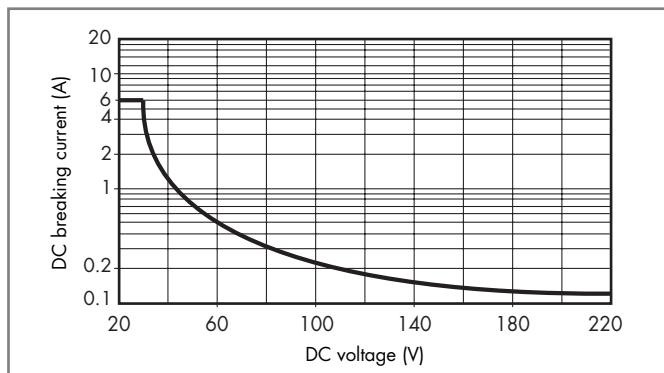
| | | | | |
|-----|-----------|-----------|------|------|
| AWG | 1x14/2x16 | 1x14/2x16 | 1x14 | 1x14 |
|-----|-----------|-----------|------|------|

Contact specification

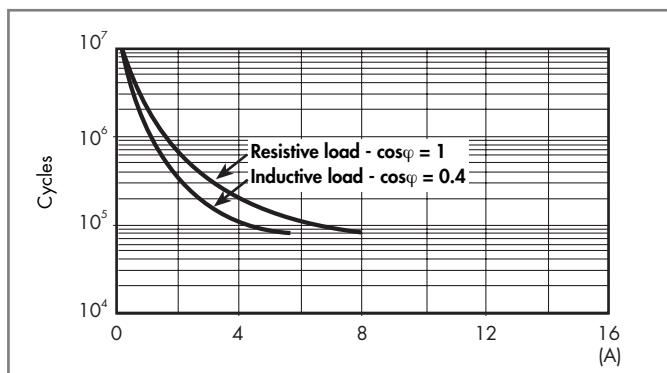
F 38 - Electrical life (AC) v contact current, 1 Pole



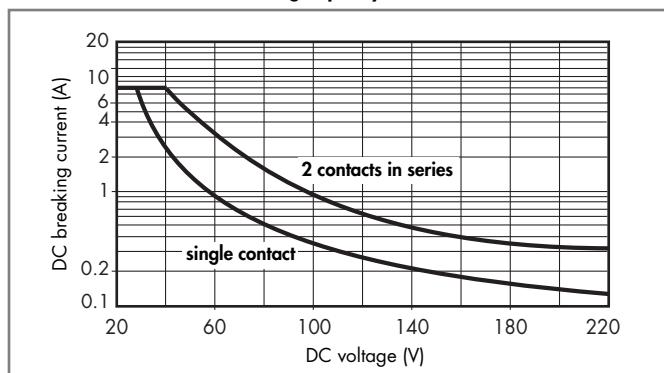
H 38 - Maximum DC1 breaking capacity, 1 Pole



F 38 - Electrical life (AC) v contact current, 2 Pole



H 38 - Maximum DC1 breaking capacity, 2 Pole



- When switching a resistive load (DC1) having voltage and current values under the curve, an electrical life of $\geq 60 \cdot 10^3$ (1 Pole) or $\geq 80 \cdot 10^3$ (2 Pole) 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.

Electromechanical Relay 1 Pole

Coil specifications

Coil data AC/DC, 1 Pole

| Nominal voltage U_N V | Coil code | Operating range | | Rated coil consumption I at U_N mA | Power consumption P at U_N W |
|-------------------------------|-----------|-----------------|----------------|--|--------------------------------------|
| | | U_{min} V | U_{max} V | | |
| 12 | 0.012 | 9.8 | 13.2 | 16 | 0.2 |
| 24 | 0.024 | 19.2 | 26.4 | 12 | 0.2 |
| 48 | 0.048 | 38.4 | 52.8 | 6.9 | 0.3 |
| 60 | 0.060 | 48 | 66 | 7 | 0.5 |
| 110...125 | 0.125 | 88 | 138 | 5(*) | 0.6(*) |
| 220...240 | 0.240 | 184 | 264 | 4(*) | 0.9(*) |

(*) Rated coil consumption and power consumption values relate to $U_N = 125$ and 240 V.

Coil data sensitive DC, 1 Pole

| Nominal voltage U_N V | Coil code | Operating range | | Rated coil consumption I at U_N mA | Power consumption P at U_N W |
|-------------------------------|-----------|-----------------|----------------|--|--------------------------------------|
| | | U_{min} V | U_{max} V | | |
| 6 | 7.006 | 5 | 7.2 | 35 | 0.2 |
| 12 | 7.012 | 9.8 | 14.4 | 15.2 | 0.2 |
| 24 | 7.024 | 18.2 | 28.8 | 10.4 | 0.3 |
| 48 | 7.048 | 35 | 57.6 | 6.3 | 0.3 |
| 60 | 7.060 | 43.5 | 72 | 7 | 0.4 |

(*) Rated coil consumption and power consumption values relate to $U_N = 125$ and 240 V.

Coil data, leakage current suppression types, 1 Pole

| Nominal voltage U_N V | Coil code | Operating range | | Must drop out U | Rated coil consumption I at U_N mA | Power consumption P at U_N W |
|-------------------------------|-----------|-----------------|----------------|--------------------|--|--------------------------------------|
| | | U_{min} V | U_{max} V | | | |
| (110...125) AC/DC | 3.125 | 94 | 138 | 44 | 8(*) | 1(*) |
| (230...240) AC | 3.240 | 184 | 264 | 92 | 7(*) | 0.5(*) |

(*) Rated coil consumption and power consumption values relate to $U_N = 125$ and 240 V.

The 38 Series interface modules (supply version 3) have built-in leakage current suppression to address industry concerns of the contacts not dropping-out when there is residual current in the circuit; at (110...125)V AC and (230...240)V AC.

This problem can occur, for example, when connecting the interface modules to PLC's with triac outputs or when connecting via relatively long cables.

38

Electromechanical Relay 2 Pole

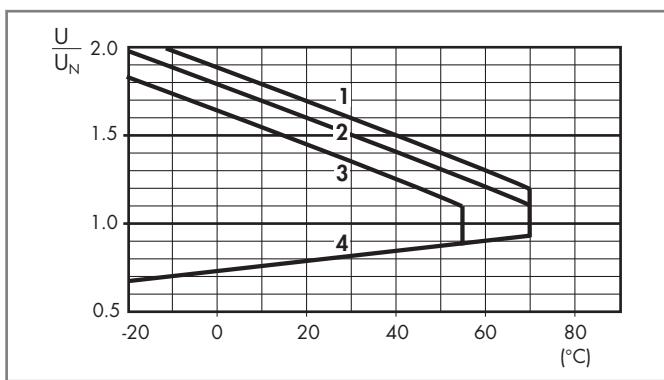
Coil specifications

Coil data sensitive DC, 2 Pole

| Nominal voltage U_N V | Coil code | Operating range | | Rated coil consumption I at U_N mA |
|-------------------------------|-----------|-----------------|----------------|--|
| | | U_{min} V | U_{max} V | |
| 12 | 7.012 | 9.6 | 14.4 | 41 |
| 24 | 7.024 | 19.2 | 28.8 | 19.5 |
| 60 | 7.060 | 48 | 72 | 8 |

R 38 - DC coil operating range v ambient temperature

1 Pole and 2 Pole



1 - Max. permitted coil voltage at nominal load (DC coil).

2 - Max. permitted coil voltage at nominal load (AC/DC coils ≤ 60 V).

3 - Max. permitted coil voltage at nominal load (AC/DC coils > 60 V).

4 - Min pick-up voltage with coil at ambient temperature.

Solid State Relay

Technical data

Other data

| | | | | | |
|-------------------------------|------------------------|-----------------|---------------|----------------|-------------|
| Power lost to the environment | without output current | W | 0.17 | | |
| | with rated current | W | 0.4 | | |
| | | | 38.81 | 38.91 | |
| Wire strip length | | mm | 10 | 10 | |
| ∅ Screw torque | | Nm | 0.5 | — | |
| Max. wire size | | | solid cable | stranded cable | solid cable |
| | | mm ² | 1x2.5 / 2x1.5 | 1x2.5 / 2x1.5 | 1x2.5 |
| | | AWG | 1x14 / 2x16 | 1x14 / 2x16 | 1x14 |
| | | | | | 1x14 |

Input specification

Input data - AC/DC

| Nominal voltage U _N V | Supply code | Operating range | | Release voltage U V | Control current I at U _N mA |
|-------------------------------------|--------------|-----------------------|-----------------------|------------------------|---|
| | | U _{min} V | U _{max} V | | |
| 110...125 | 0.125 | 88 | 138 | 45 | 5 |
| 230...240 | 0.240 | 184 | 264 | 90 | 4.5 |

Input data - DC

| Nominal voltage U _N V | Supply code | Operating range | | Release voltage U V | Control current I at U _N mA |
|-------------------------------------|--------------|-----------------------|-----------------------|------------------------|---|
| | | U _{min} V | U _{max} V | | |
| 6 | 7.006 | 5 | 7.2 | 2.4 | 7 |
| 24 | 7.024 | 16.8 | 30 | 10 | 10.5 |
| 60 | 7.060 | 35.6 | 72 | 20 | 6.5 |

Input data - Leakage current suppression types

| Nominal voltage U _N V | Supply code | Operating range | | Release voltage U V | Rated coil consumption I at U _N mA | Power consumption P at U _N W |
|-------------------------------------|--------------|-----------------------|-----------------------|------------------------|--|--|
| | | U _{min} V | U _{max} V | | | |
| 110...125 AC/DC | 3.125 | 94 | 138 | 44 | 8(*) | 1(*) |
| 230...240 AC | 3.240 | 184 | 264 | 72 | 5.6(*) | 0.5(*) |

(*) Rated coil consumption and power consumption values relate to

U_N = 125 and 240 V.

The 38 Series interface modules (supply version 3) have built-in leakage current suppression to address industry concerns of the contacts not dropping-out when there is residual current in the circuit; at (110...125)V AC and (230...240)V AC.

This problem can occur, for example, when connecting the interface modules to PLC's with triac outputs or when connecting via relatively long cables.

Combination for Electromechanical Relay



93.01



93.51



93.02

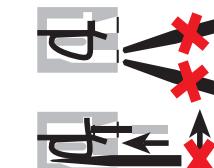
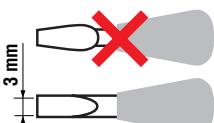


93.52

Approvals
(according to type):



Listed: certain relay/
socket combinations



Screw terminal - 1 Pole relay

| Code | Supply voltage | Type of relay | Type of socket |
|------------------|--------------------|------------------|----------------|
| 38.51.0.012.0060 | 12 V AC/DC | 34.51.7.012.0010 | 93.01.0.024 |
| 38.51.0.024.0060 | 24 V AC/DC | 34.51.7.024.0010 | 93.01.0.024 |
| 38.51.0.048.0060 | 48 V AC/DC | 34.51.7.048.0010 | 93.01.0.060 |
| 38.51.0.060.0060 | 60 V AC/DC | 34.51.7.060.0010 | 93.01.0.060 |
| 38.51.0.125.0060 | (110...125)V AC/DC | 34.51.7.060.0010 | 93.01.0.125 |
| 38.51.0.240.0060 | (220...240)V AC/DC | 34.51.7.060.0010 | 93.01.0.240 |
| 38.51.3.125.0060 | (110...125)V AC/DC | 34.51.7.060.0010 | 93.01.3.125 |
| 38.51.3.240.0060 | (230...240)V AC | 34.51.7.060.0010 | 93.01.3.240 |
| 38.51.7.006.0050 | 6 V DC | 34.51.7.005.0010 | 93.01.7.024 |
| 38.51.7.012.0050 | 12 V DC | 34.51.7.012.0010 | 93.01.7.024 |
| 38.51.7.024.0050 | 24 V DC | 34.51.7.024.0010 | 93.01.7.024 |
| 38.51.7.048.0050 | 48 V DC | 34.51.7.048.0010 | 93.01.7.060 |
| 38.51.7.060.0050 | 60 V DC | 34.51.7.060.0010 | 93.01.7.060 |

Screwless terminal - 1 Pole relay

| Code | Supply voltage | Type of relay | Type of socket |
|------------------|--------------------|------------------|----------------|
| 38.61.0.012.0060 | 12 V AC/DC | 34.51.7.012.0010 | 93.51.0.024 |
| 38.61.0.024.0060 | 24 V AC/DC | 34.51.7.024.0010 | 93.51.0.024 |
| 38.61.0.125.0060 | (110...125)V AC/DC | 34.51.7.060.0010 | 93.51.0.125 |
| 38.61.0.240.0060 | (220...240)V AC/DC | 34.51.7.060.0010 | 93.51.0.240 |
| 38.61.3.125.0060 | (110...125)V AC/DC | 34.51.7.060.0010 | 93.51.3.125 |
| 38.61.3.240.0060 | (230...240)V AC | 34.51.7.060.0010 | 93.51.3.240 |
| 38.61.7.012.0050 | 12 V DC | 34.51.7.012.0010 | 93.51.7.024 |
| 38.61.7.024.0050 | 24 V DC | 34.51.7.024.0010 | 93.51.7.024 |

Screw terminal - 2 Pole relay

| Code | Supply voltage | Type of relay | Type of socket |
|------------------|----------------|------------------|----------------|
| 38.52.7.012.0050 | 12 V DC | 41.52.9.012.0010 | 93.02.7.024 |
| 38.52.7.024.0050 | 24 V DC | 41.52.9.024.0010 | 93.02.7.024 |
| 38.52.7.060.0050 | 60 V DC | 41.52.9.060.0010 | 93.02.7.060 |

Screwless terminal - 2 Pole relay

| Code | Supply voltage | Type of relay | Type of socket |
|------------------|----------------|------------------|----------------|
| 38.62.7.012.0050 | 12 V DC | 41.52.9.012.0010 | 93.52.7.024 |
| 38.62.7.024.0050 | 24 V DC | 41.52.9.024.0010 | 93.52.7.024 |
| 38.62.7.060.0050 | 60 V DC | 41.52.9.060.0010 | 93.52.7.060 |

Combination for Solid State Relay

Screw terminal

| Code | Supply voltage | Type of relay | Type of socket |
|------------------|--------------------|------------------|----------------|
| 38.81.7.006.xxxx | 6 V DC | 34.81.7.005.xxxx | 93.01.7.024 |
| 38.81.7.024.xxxx | 24 V DC | 34.81.7.024.xxxx | 93.01.7.024 |
| 38.81.7.060.xxxx | 60 V DC | 34.81.7.060.xxxx | 93.01.7.060 |
| 38.81.0.125.xxxx | (110...125)V AC/DC | 34.81.7.060.xxxx | 93.01.0.125 |
| 38.81.0.240.xxxx | (220...240)V AC/DC | 34.81.7.060.xxxx | 93.01.0.240 |
| 38.81.3.125.xxxx | (110...125)V AC/DC | 34.81.7.060.xxxx | 93.01.3.125 |
| 38.81.3.240.xxxx | (230...240)V AC | 34.81.7.060.xxxx | 93.01.3.240 |

Screwless terminal

| Code | Supply voltage | Type of relay | Type of socket |
|------------------|--------------------|------------------|----------------|
| 38.91.7.006.xxxx | 6 V DC | 34.81.7.005.xxxx | 93.51.7.024 |
| 38.91.7.024.xxxx | 24 V DC | 34.81.7.024.xxxx | 93.51.7.024 |
| 38.91.7.060.xxxx | 60 V DC | 34.81.7.060.xxxx | 93.51.7.060 |
| 38.91.0.125.xxxx | (110...125)V AC/DC | 34.81.7.060.xxxx | 93.51.0.125 |
| 38.91.0.240.xxxx | (220...240)V AC/DC | 34.81.7.060.xxxx | 93.51.0.240 |
| 38.91.3.125.xxxx | (110...125)V AC/DC | 34.81.7.060.xxxx | 93.51.3.125 |
| 38.91.3.240.xxxx | (230...240)V AC | 34.81.7.060.xxxx | 93.51.3.240 |

Example: .xxxx

.9024

.7048

.8240

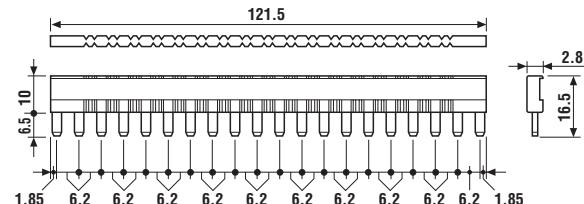
Accessories



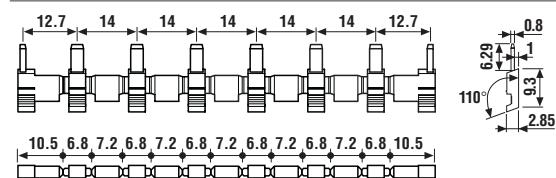
Approvals
(according to type):



| | |
|--------------------------------------|--------------|
| 20-way jumper link for 1 Pole | 093.20 |
| Rated values | 36 A - 250 V |



| | |
|-------------------------------------|--------------|
| 8-way jumper link for 2 Pole | 093.08 |
| Rated values | 10 A - 250 V |



| | |
|---|--------|
| Plastic separator | 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

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| | |
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| Sheet of marker tags for 38.x1, plastic, 64 tags, 6x10 mm | 093.64 |
|--|--------|



| | |
|--|--------|
| Sheet of marker tags for 38.x2, plastic, 72 tags, 6x12 mm | 060.72 |
|--|--------|