

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 Listing (certain relay/socket combinations)
- 35 mm rail (EN 60715) mounting

 38.51/38.51.3
Screw terminal

 38.61/38.61.3
Screwless terminal


* Special version for max ambient temperature +70 °C.

** Maximum ambient temperature limitations apply in the case of adjacent mounting of modules, where the coil is energised with a duty cycle of $\geq 50\%$ or where the ON time exceeds 1 hour:

+55 °C: applies to groups limited to 2 adjacent modules and where each group is separated by an air gap ≥ 6.2 mm.

+30 °C: applies to a group of more than 2 adjacent modules.

For outline drawing see page 12

Contact specification

Contact configuration

 Rated current/
Maximum peak current

A

 Rated voltage/
Maximum switching voltage

V AC

Rated load AC1

VA

Rated load AC15 (230 V AC)

VA

Single phase motor rating (230 V AC)

kW

Breaking capacity DC1: 30/110/220 V

A

Minimum switching load

mW (V/mA)

Standard contact material

Coil specification

 Nominal voltage (U_N)

V AC/DC

V AC

V DC

Rated power AC/DC

VA (50 Hz)/W

Operating range

AC/DC

AC

DC

Holding voltage

AC/DC

Must drop-out voltage

AC/DC

Technical data

Mechanical life AC/DC

cycles

Electrical life at rated load AC1

cycles

Operate/release time

ms

 Insulation between coil
and contacts (1.2/50 μ s)

kV

 Dielectric strength
between open contacts

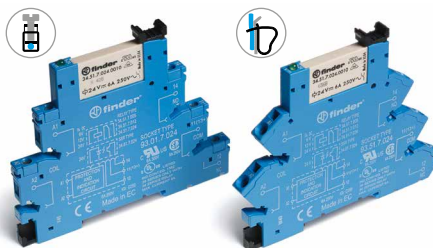
V AC

 Ambient temperature range ($U_N \leq 60$ V/ > 60 V)

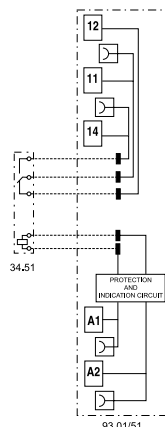
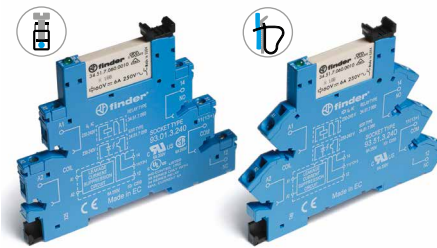
°C

Protection category

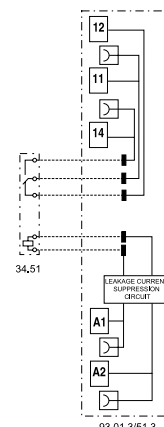
Approvals relay (according to type)

38.51/61


- 1 pole electromechanical relay
- Screw terminal and screwless terminal
- 35 mm rail (EN 60715) mounting


38.51.3/38.61.3


- Leakage current suppression
- 1 pole electromechanical relay
- Screw terminal and screwless terminal
- 35 mm rail (EN 60715) mounting

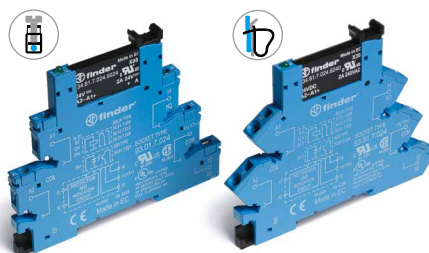


Single output - solid state relay interface modules, 6.2 mm wide.
Ideal interface for PLC and electronic systems

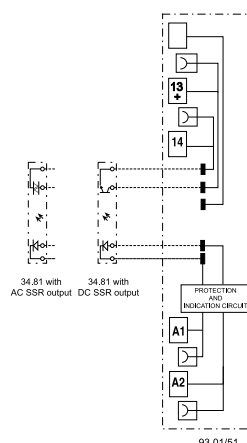
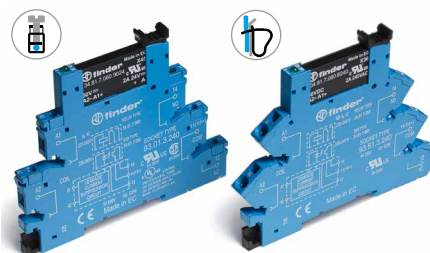
- DC, AC or AC/DC input versions
- Supplied with integral coil indication and protection circuit
- Silent, high switching speed and long electrical life
- Instant ejection of relay using plastic retaining clip
- UL Listing (certain relay/socket combinations)
- 35 mm rail (EN 60715) mounting

38.81/38.81.3
Screw terminal

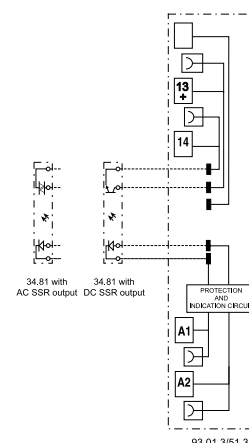
38.91/38.91.3
Screwless terminal

38.81/38.91


- AC or DC output switching
- SSR relay - DC input voltage
- Screw terminal and screwless terminal
- 35 mm rail (EN 60715) mounting


38.81.3/38.91.3


- Leakage current suppression
- AC or DC output
- SSR relay - AC or AC/DC input voltage
- Screw terminal and screwless terminal
- 35 mm rail (EN 60715) mounting



For outline drawing see page 12

Output specification

Contact configuration		1 NO (SPST-NO)			1 NO (SPST-NO)		
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/— AC	24/33 DC	48/60 DC	240/— AC
Switching voltage range	V	(1.5...24)DC	(1.5...48)DC	(12...275)AC	(1.5...24)DC	(1.5...48)DC	(12...275)AC
Repetitive peak off-state voltage	V _{pk}	—	—	600	—	—	600
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 specification

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 page 10			See page 10		
Control current	mA	See page 10			See page 10		
Release voltage	V DC	See page 10			See page 10		

Technical data

Operate/release time: ON/OFF (DC input)	ms	0.2/0.6	0.04/0.11	12/12	0.2/0.6	0.04/0.11	12/12
Dielectric strength between input/output	V AC	2500			2500		
Ambient temperature range	°C	-20...+55			-20...+55		
Environmental protection		IP20			IP20		

Approvals relay (according to type)
