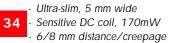


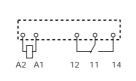
34.51

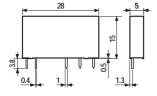


- 6kV (1.2/50 μs) between coil and contacts

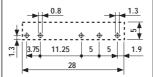


- 5 mm wide - P.C.B. mounting





 * for 400 V applications, requirements for pollution degree 2 are met.

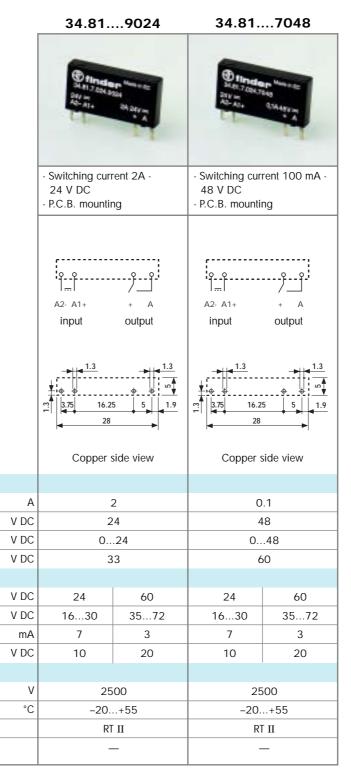


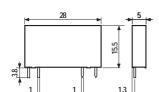
Copper side view

Contact specifications			
Contact configuration	1 CO		
Rated current/Maximum peak	6/10		
Rated voltage/Maximum swite	250/400*		
Rated load in AC1	VA	1,500	
Rated load in AC15 (230 VA	C) VA	300	
Single phase motor rating (23	0 VAC) kW	-	
Breaking capacity in DC1: 30)/110/220V A	6/0.2/0.12	
Minimum switching load	500 (12/10)		
Standard contact material	AgNi		
Coil specifications			
Nominal voltage (U _N)	V AC (50/60 Hz)	_	
	V DC	5 - 12 - 24 - 48 - 60	
Rated power AC/DC	VA (50 Hz)/W	— /0.17	
Operating range	AC (50 Hz)	_	
	DC	(0.71.5)U _N	
Holding voltage	AC/DC	—∕0.4 U _N	
Must drop-out voltage	AC/DC	−/0.05 U _N	
Technical data			
Mechanical life AC/DC	cycles	—/10 · 10⁴	
Electrical life at rated load AC	cycles	60 · 10³	
Operate/release time (bounce included) ms		7/8	
Insulation according to EN 61	4 kV/3		
Insulation between coil and contacts (1.2/50µs) kV		6 (8 mm)	
Dielectric strength between open contacts V AC		1,000	
Ambient temperature range °C		-40+85	
Environmental protection		RT II	
Approvals: (according to ty	/pe)	⑥ GOST 🕦 🗽	



- Ultra-slim, 5 mm wide
- High switching speed and endurance
- Silent switching





Output circuit

Rated voltage

Input circuit

Nominal voltage

Operating range

Control current

Release voltage

Technical data

Ambient temperature range

Approvals: (according to type)

Environmental protection

Dielectric strength between input/output

Maximum switching current

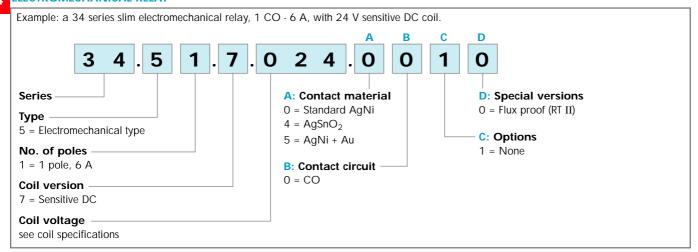
Switching voltage range

Maximum blocking voltage

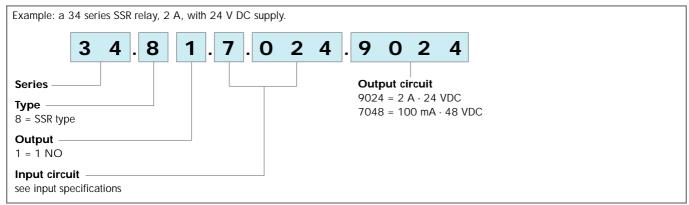


ORDERING INFORMATION

34 ELECTROMECHANICAL RELAY



SOLID STATE RELAY



SOLID STATE RELAY

OTHER DATA

POWER LOST TO THE ENVIRONMENT without contact current W	0.17
with rated current W	0.4

INPUT SPECIFICATION

DC VERSION DATA

Nominal	Input	Operating range		Release	Control
voltage	code			voltage	current
U_N		Umin	Umax		I at U _N
V		V	V	V	mA
24	7.024	16	30	10	7
60	7.060	35	72	20	3



ELECTROMECHANICAL RELAY TECHNICAL DATA

INSULATION

INSULATION according to EN 61810-5	insulation rated voltage V	250
	rated impulse withstand voltage kV	4
	pollution degree	
	overvoltage category	III

IMMUNITY

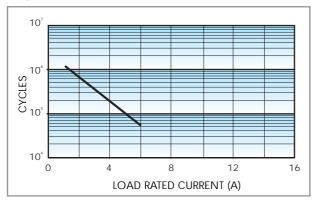
CONDUCTED DISTURBANCE IMMUNITY	BURST (according to EN 61000-4-4) level 4 (4 kV)		
	SURGE (according to EN 61000-4-5) level 3 (2 kV)		

OTHER DATA

VIBRATION RESISTANCE (1055Hz): NO/NC g/g	10/5
POWER LOST TO THE ENVIRONMENT without contact current W	0.2
with rated current W	0.5
RECOMMENDED DISTANCE between RELAYS mounted on P.C.B.s mm	≥5

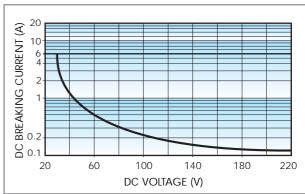
CONTACT SPECIFICATIONS

F 34



Electrical life vs AC1 load.

H 34



Breaking capacity in DC1 load.

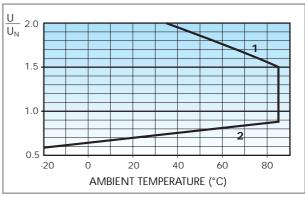
- When switching a resistive load (DC1) having voltage and current values under the curve the expected electrical life is $\geq 100 \cdot 10^3$ cycles.
- In case of DC13 loads the connection of a diode in parallel with the load will permit the same electrical life as for a DC1 load. **Note:** the release time of load will be increase.

COIL SPECIFICATIONS

DC VERSION DATA

Nominal	Coil	Operating range		Resistance	Rated coil
voltage	code				consumption
U _N		U _{min}	U _{max}	R	I at U _N
V		V	V	Ω	mA
5	7 .005	3.5	7.5	130	38.4
12	7 .012	8.4	18	840	14.2
24	7 .024	16.8	36	3,350	7.1
48	7 .048	33.6	72	12,300	3.9
60	7 .060	42	90	19,700	3

R 34 DC



Operating range vs ambient temperature.

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