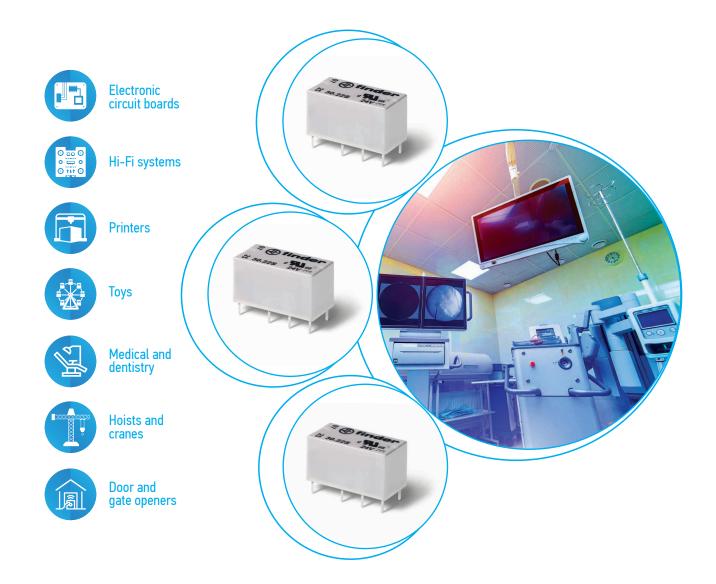




Subminiature DIL relays 2 A



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30 SERIES Subminiature DIL relays 2 A



Printed circuit mount

- 2 A signal relay
- 2 Pole changeover contacts Low level switching capability
- Subminiature industry standard DIL package
- Sensitive DC coil 200 mW
- Wash tight: RT III
- Cadmium Free contact material

For outline drawing see page 5

Maximum switching voltage

Rated load AC15 (230 V AC)

Minimum switching load

Standard contact material

Coil specification Nominal voltage (U_N)

Rated power AC/DC

Operating range

Holding voltage

Technical data Mechanical life AC/DC

Must drop-out voltage

Operate/release time

Insulation between coil

and contacts (1.2/50 µs)

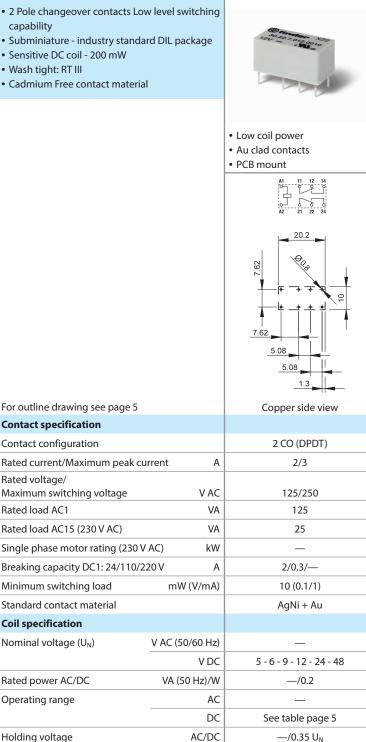
Dielectric strength

Electrical life at rated load AC1

Contact specification Contact configuration

Rated voltage/

Rated load AC1



AC/DC

cycles

cycles

ms

kV

V AC

°C

-/10 · 10⁶

100 · 10³

6/2

1.5

750

-40...+85

RT III

30.22

3

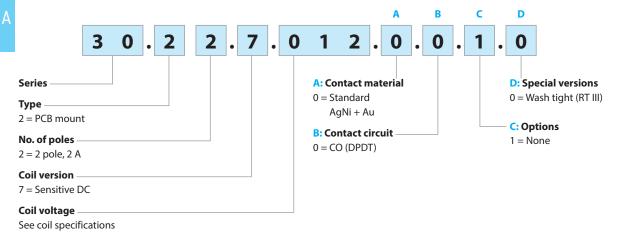


Ordering information

30

SERIES

Example: 30 series PCB relay, 2 CO (DPDT) - 2 A contacts, 12 V sensitive DC coil.



Technical data

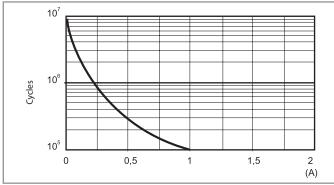
Insulation according to EN 61810-1				
Nominal voltage of supply system	V AC	230/400	120240 single phase	
Rated insulation voltage	V AC	250	125	
Pollution degrees		1	2	
Insulation between coil and contact set				
Type of insulation		Basic	Basic	
Overvoltage category		1	П	
Rated impulse voltage	kV (1.2/50 μs)	1.5	1.5	
Dielectric strength	V AC	1000	1000	
Insulation between adjacent contacts				
Type of insulation		Basic	Basic	
Overvoltage category		1	Ш	
Rated impulse voltage	kV (1.2/50 μs)	1.5	1.5	
Dielectric strength	V AC	1500	1500	
Insulation between open contacts				
Type of disconnection		Micro-disconnection	Micro-disconnection	
Dielectric strength	V AC/kV (1.2/50 μs)	750/1	750/1	
Other data				
Bounce time: NO/NC	ms	1/3		
Vibration resistance (555)Hz: NO/NC	g	15/15		
hock resistance g		16		
Power lost to the environment	without contact current W	0.2		
	with rated current W	0.4		
Recommended distance between relays m	ounted on PCB mm	≥ 5		



30 SERIES

Contact specification

F 30 - Electrical life (AC1) v contact current (125 V)



Note:

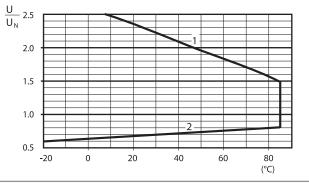
The rated current of 2 A corresponds to the limiting continuous current.

Coil specifications

DC coil data - 0.2 W sensitive

Nominal voltage	Coil code	Operating range		Resistance	Rated coil consumption
U _N		U_{min}	U _{max}	R	I at $U_{\rm N}$
V		V	V	Ω	mA
5	7 .005	3.7	7.5	125	40
6	7 .006	4.5	9	180	33
9	7 .009	6.7	13.5	405	22
12	7 .012	8.4	18	720	16
24	7 .024	16.8	36	2880	8.3
48*	7 .048	36	72	10000	4.8

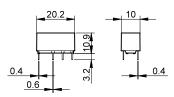
R 30 - DC coil operating range v ambient temperature



* Rated power: 0.23 W

Outline drawing

Туре 30.22



1 - Max. permitted coil voltage.

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