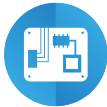


# Subminiature DIL relays 2 A



Electronic  
circuit boards



Hi-Fi systems



Printers



Toys



Medical and  
dentistry



Hoists and  
cranes



Door and  
gate openers



Prices, features, specifications, capabilities, appearance and availability of our products and services are subject to change without notice.  
FINDER assumes no responsibility for the presence of possible errors or insufficient information in this document.  
In case of discrepancies between the printed and online versions, the latter prevails.

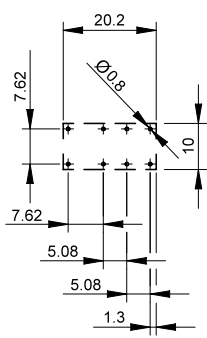
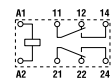
**Printed circuit mount**  
**2 A signal relay**

- 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

30.22




- Low coil power
- Au clad contacts
- PCB mount



Copper side view

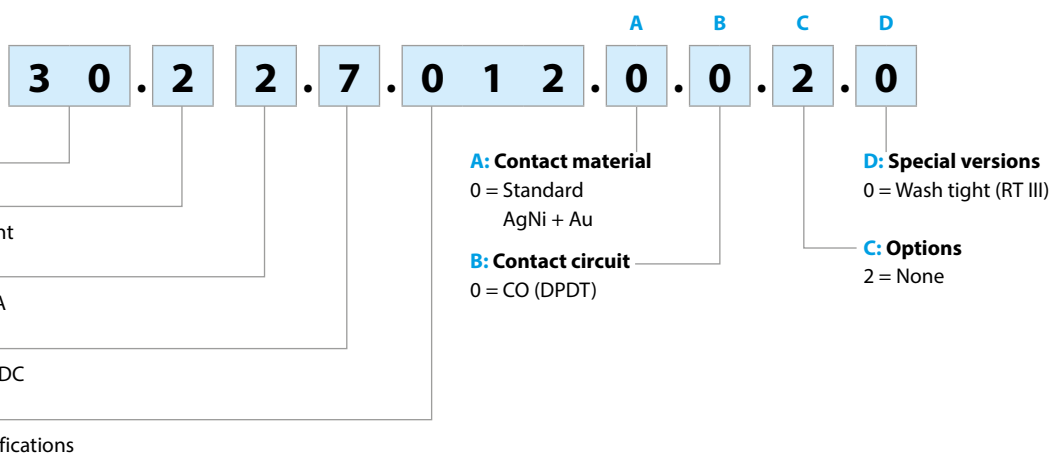
For outline drawing see page 5

Contact specification		
Contact configuration		2 CO (DPDT)
Rated current/Maximum peak current	A	2/3
Rated voltage/ Maximum switching voltage	V AC	125/250
Rated load AC1	VA	125
Rated load AC15 (230 V AC)	VA	25
Single phase motor rating (230 V AC)	kW	—
Breaking capacity DC1: 24/110/220 V	A	2/0.3/—
Minimum switching load	mW (V/mA)	10 (0.1/10)
Standard contact material		AgNi + Au
Coil specification		
Nominal voltage (U <sub>N</sub> )	V AC (50/60 Hz)	—
	V DC	5 - 6 - 9 - 12 - 24 - 48
Rated power AC/DC	VA (50 Hz)/W	—/0.2
Operating range	AC	—
	DC	See table page 5
Holding voltage	AC/DC	—/0.35 U <sub>N</sub>
Must drop-out voltage	AC/DC	—/0.05 U <sub>N</sub>
Technical data		
Mechanical life AC/DC	cycles	—/2 · 10 <sup>6</sup>
Electrical life at rated load AC1	cycles	100 · 10 <sup>3</sup>
Operate/release time	ms	6/4
Insulation between coil and contacts (1.2/50 µs)	kV	1.5
Dielectric strength between open contacts	V AC	750
Ambient temperature range	°C	−40...+85
Environmental protection		RT III
Approvals (according to type)		

## Ordering information

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

A

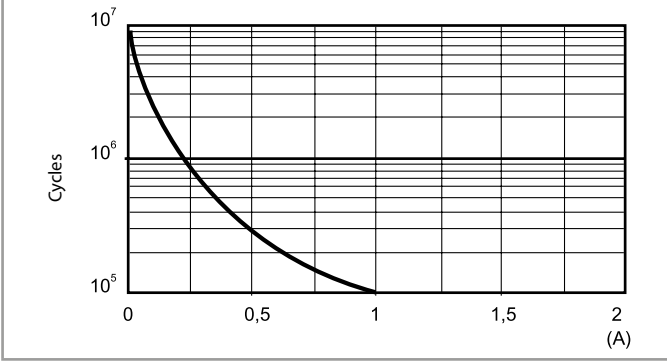


## Technical data

Insulation according to EN 61810-1		
Nominal voltage of supply system	V AC	125/250
Rated insulation voltage	V AC	250
Pollution degrees		1
Insulation between coil and contact set		
Type of insulation		Basic
Overvoltage category		I
Rated impulse voltage	kV (1.2/50 µs)	1.5
Dielectric strength	V AC	1000
Insulation between adjacent contacts		
Type of insulation		Basic
Overvoltage category		I
Rated impulse voltage	kV (1.2/50 µs)	1.5
Dielectric strength	V AC	1500
Insulation between open contacts		
Type of disconnection		Micro-disconnection
Dielectric strength	V AC/kV (1.2/50 µs)	750/1
Other data		
Bounce time: NO/NC	ms	2/6
Vibration resistance (10...38)Hz:	g	10
Shock resistance	g	10
Power lost to the environment	without contact current W	0.2
	with rated current W	0.4
Recommended distance between relays mounted on PCB	mm	≥ 5

## Contact specification

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



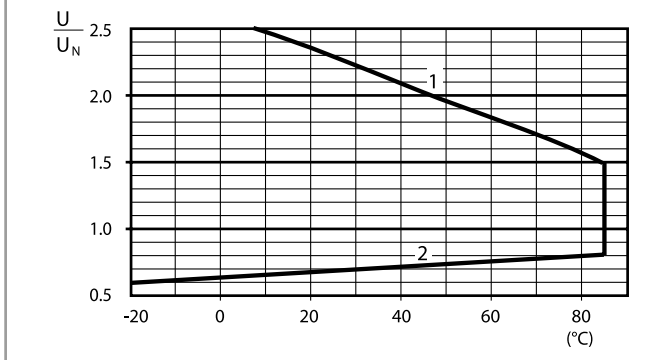
Note:  
The rated current of 2 A corresponds to the limiting continuous current.

## Coil specifications

DC coil data - 0.2 W sensitive

Nominal voltage $U_N$	Coil code	Operating range		Resistance $R$	Rated coil consumption $I$ at $U_N$
		$U_{min}$	$U_{max}$		
V		V	V	$\Omega$	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	33.6	72	11520	4.8

R 30 - DC coil operating range v ambient temperature



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

## Outline drawing

Type 30.22

