

Subminiature DIL relays 2 A



Electronic circuit boards



Hi-Fi systems



Printers



Toys



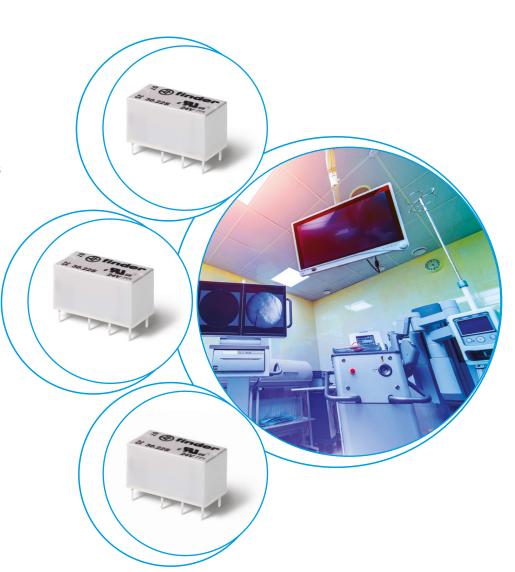
Medical and dentistry



Hoists and cranes



Door and gate openers



finder

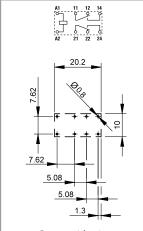
Printed circuit mount 2 A signal relay

- 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



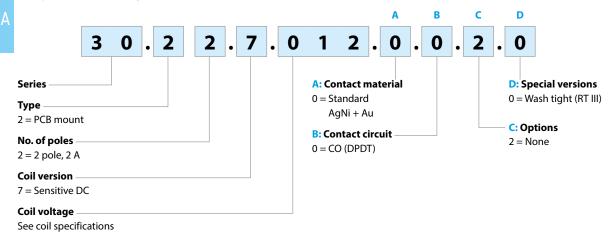
Copper	Sic	le ۱	/iew
--------	-----	------	------

Tor outline drawing see page 5	copper side view		
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: 24/110/2	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 _N)	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 _N	
Must drop-out voltage	AC/DC	—/0.05 U _N	
Technical data			
Mechanical life AC/DC	cycles	—/2 · 10 ⁶	
Electrical life at rated load AC1	cycles	100 · 10³	
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)		c '\$\! ®us	



Ordering information

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



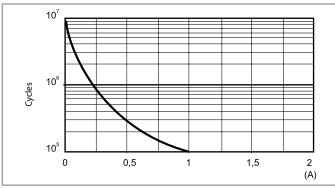
Technical data

Insulation according to EN 61810-1			
Nominal voltage of supply system	V AC	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			
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 (1038)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 mou	nted on PCB mm	≥5	

I-2024, www.findernet.com

Contact specification

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



Note:

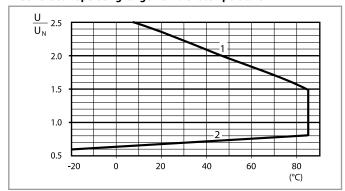
The rated current of 2 A corresponds to the limiting continuous current.

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 _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	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

