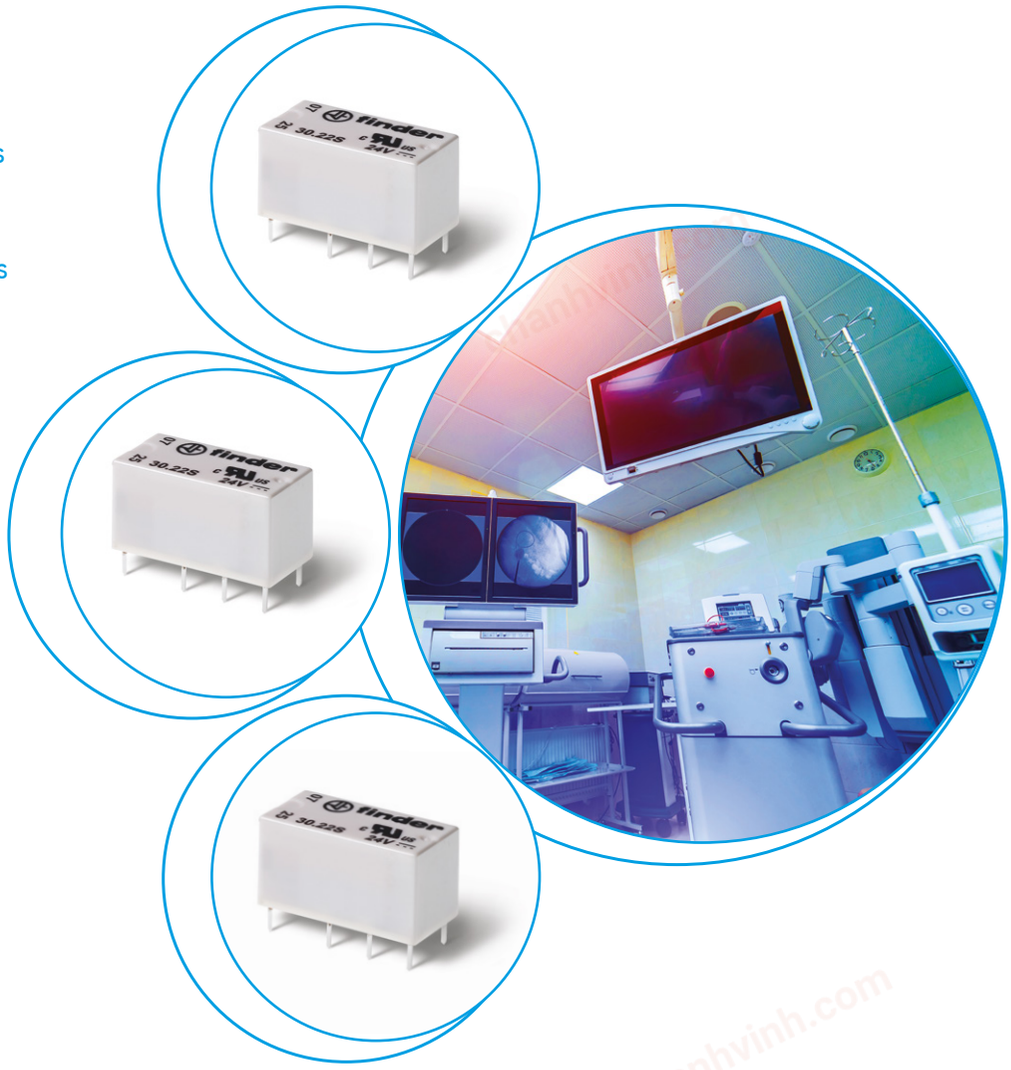
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finder
RELAYING INNOVATION

30
SERIES

Subminiature DIL relays 2 A

- Electronic circuit boards
- Hi-Fi systems
- Printers
- Toys
- Medical and dentistry
- Hoists and cranes
- Door and gate openers



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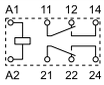
Printed circuit mount
2 A signal relay

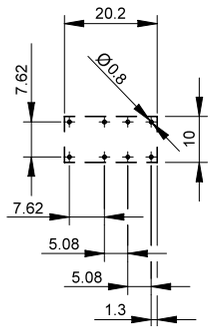
- 2 Pole changeover contacts Low level switching capability
- Subminiature - industry standard DIL package
- Sensitive DC coil - 200 mW
- Wash tight: RT III
- Cadmium Free contact material

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- 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_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	—/10 · 10^6
Electrical life at rated load AC1	cycles	100 · 10^3
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)		cULus

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A

Ordering information

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

								A		B		C		D
3	0	.	2	2	.	7	.	0	1	2	.	0	.	0	.	2	.	0

Series

Type
2 = PCB mount

No. of poles
2 = 2 pole, 2 A

Coil version
7 = Sensitive DC

Coil voltage
See coil specifications

A: Contact material
0 = Standard
AgNi + Au

B: Contact circuit
0 = CO (DPDT)

C: Options
2 = None

D: Special versions
0 = Wash tight (RT III)

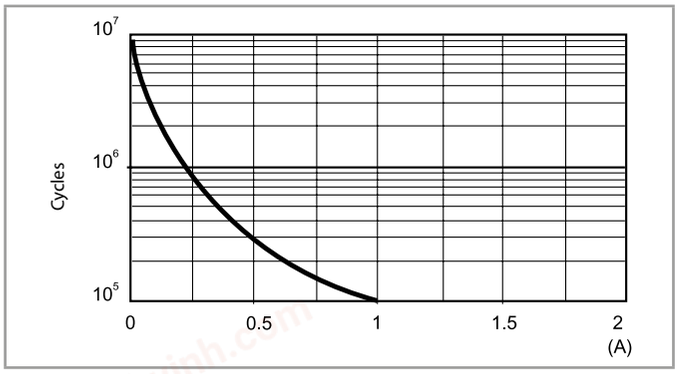
Technical data

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

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Contact specification

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



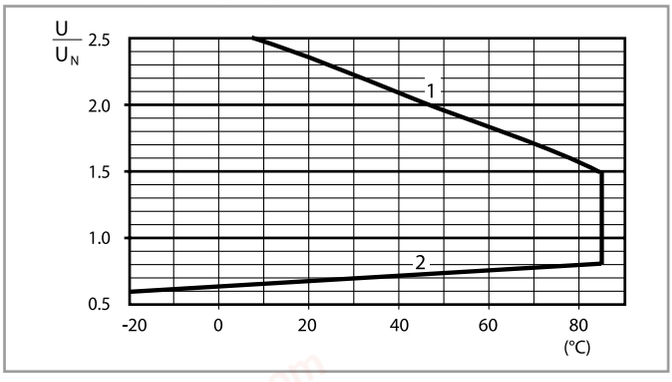
Note:
The rated current of 2 A corresponds to the limiting continuous current.

Coil specifications

DC coil data - 0.2 W sensitive

Nominal voltage U_N	Coil code	Operating range U_{min}	Operating range U_{max}	Resistance R	Rated coil consumption 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

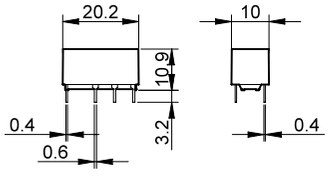
R 30 - DC coil operating range v ambient temperature



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

Outline drawing

Type 30.22



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