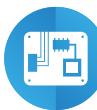


Subminiature DIL relays 2 A



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Printed circuit mount

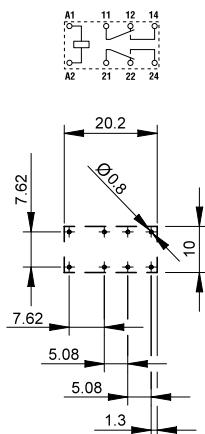
2 A signal relay

- 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

30.22



- Low coil power
- Au clad contacts
- PCB mount



For 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: 24/110/220 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 · 10 ³
Operate/release time	ms	6/4
Insulation between coil and contacts (1.2/50 μ s)	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

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)

D: Special versions

0 = Wash tight (RT III)

C: Options

2 = None

Technical data

Insulation according to EN 61810-1

Nominal voltage of supply system	V AC	125/250
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Rated insulation voltage	V AC	250
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Pollution degrees		1
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Insulation between coil and contact set

Type of insulation		Basic
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Overvoltage category		I
----------------------	--	---

Rated impulse voltage	kV (1.2/50 µs)	1.5
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Dielectric strength	V AC	1000
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Insulation between adjacent contacts

Type of insulation		Basic
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Overvoltage category		I
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Rated impulse voltage	kV (1.2/50 µs)	1.5
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Dielectric strength	V AC	1500
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Insulation between open contacts

Type of disconnection		Micro-disconnection
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Dielectric strength	V AC/kV (1.2/50 µs)	750/1
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Other data

Bounce time: NO/NC	ms	2/6
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Vibration resistance (10...38)Hz:	g	10
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Shock resistance	g	10
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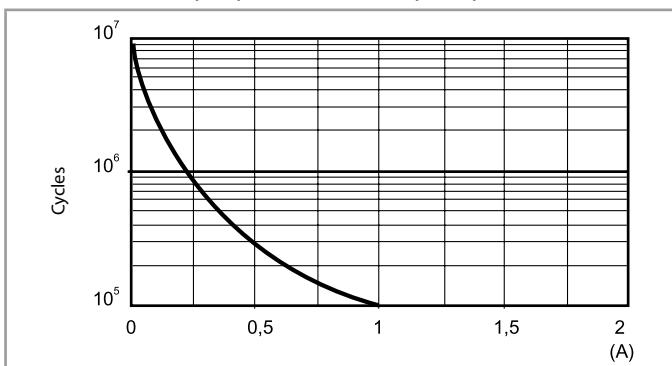
Power lost to the environment	without contact current	W	0.2
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	with rated current	W	0.4
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Recommended distance between relays mounted on PCB	mm	≥ 5
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Contact specification

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



Note:

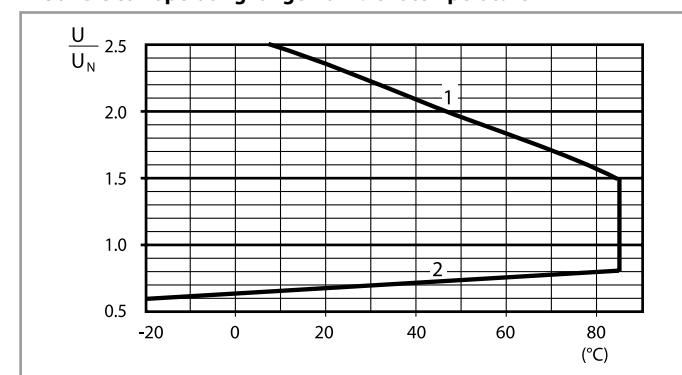
The rated current of 2 A corresponds to the limiting continuous current.

Coil specifications

DC coil data - 0.2 W sensitive

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

