

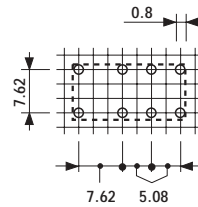
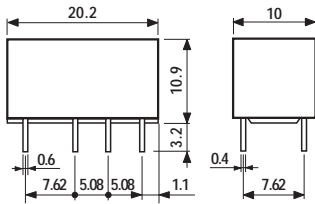
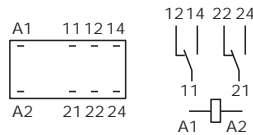
30

- Sub miniature relay
- Low level switching capability
- Sensitive DC coil, 200mW
- Wash tight: RT III

### 30.22



- Low consumption
- P.C.B. mounting



Copper side view

Contact specifications		
Contact configuration		2 CO
Rated current/Maximum peak current	A	1.25/2
Rated voltage/Maximum switching voltage V AC		125/250
Rated load in AC1	VA	125
Rated load in AC15 (230 VAC)	VA	25
Single phase motor rating (230 VAC)	kW	—
Breaking capacity in DC1: 30/110/220V	A	2/0.3/—
Minimum switching load	mW (V/mA)	10 (0.1/1)
Standard contact material		AgNi+Au
Coil specifications		
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	—/10 · 10 <sup>6</sup>
Electrical life at rated load AC1	cycles	100 · 10 <sup>3</sup>
Operate/release time	ms	6/2
Insulation according to EN 61810-5		1.2 kV/2
Insulation between coil and contacts (1.2/50µs)	kV	1.5
Dielectric strength between open contacts V AC		750
Ambient temperature range	°C	-40...+85
Environmental protection		RT III
<b>Approvals:</b> (according to type)		GOST  US

## ORDERING INFORMATION

Example: a 30 series P.C.B. relay with 2 CO contacts, with coil rated at 12 V sensitive DC.

<b>3</b>	<b>0</b>	.	<b>2</b>	.	<b>2</b>	.	<b>7</b>	.	<b>0</b>	<b>1</b>	<b>2</b>	.	<b>0</b>	<b>0</b>	.	<b>1</b>	<b>0</b>
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<b>A</b>	<b>0</b>
<b>B</b>	<b>0</b>
<b>C</b>	<b>1</b>
<b>D</b>	<b>0</b>

**Series** ————— 30

**Type** ————— 2  
2 = P.C.B.

**No. of poles** ————— 2  
2 = 2 pole, 1.25 A

**Coil version** ————— 7  
7 = Sensitive DC

**Coil voltage** ————— 012  
see coil specifications

**A: Contact material**  
0 = Standard  
AgNi + Au (5µm)

**B: Contact circuit**  
0 = CO

**C: Options**  
1 = None

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

## TECHNICAL DATA

### INSULATION

INSULATION according to EN 61810-5	insulation rated voltage	V	125
	rated impulse withstand voltage	kV	1.2
	pollution degree		2
	overvoltage category		I

### OTHER DATA

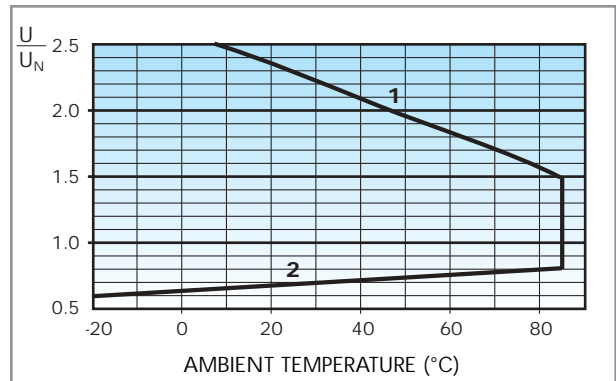
BOUNCE TIME: NO/NC	ms	1/3
VIBRATION RESISTANCE (10...55Hz): NO/NC	g/g	10/10
POWER LOST TO THE ENVIRONMENT	without contact current	W
	with rated current	W
RECOMMENDED DISTANCE between RELAYS mounted on P.C.B.s	mm	≥5

## COIL SPECIFICATIONS

### DC VERSION 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	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	2,880	8.3
48	7.048	36	72	11,520	4.1

### R 30 DC



Operating range vs ambient temperature.  
**1** - Max coil voltage permitted.  
**2** - Min pick-up voltage with coil at ambient temperature.