



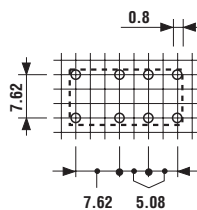
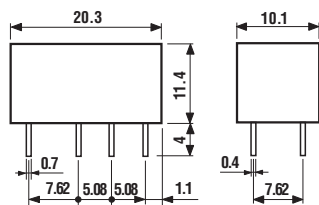
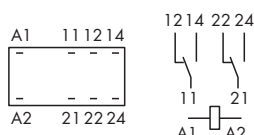
# 30 Series - Subminiature D.I.L. Relays 1.25 A

## 30.22

- Switching capacity of low signals
- Sensitive DC coil, 200mW
- Protection category: IP 67



- Low absorption
- PCB mounting



<b>Contact specifications</b>	
Contact configuration	2 CO (DPDT)
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/HP —/—
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 (5µm)
<b>Coil specifications</b>	
Nominal voltage (U <sub>N</sub> )	V AC (50/60 Hz) — V sens. DC 5 - 6 - 12 - 24 - 48
Rated power AC/sens. DC	VA (50 Hz)/W —/0.2
Operating range	AC (50 Hz) — sens. DC (0.7...1.9)U <sub>N</sub>
Holding voltage	AC/DC —/0.35 U <sub>N</sub>
Must drop-out voltage	AC/DC —/0.05 U <sub>N</sub>
<b>Technical data</b>	
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 (bounce included)	ms 15/10
Insulation according to EN 61810-5	1.2 kV/2
Insulation between coil and contacts (1.2/50µs)	kV 1.5
Dielectric strenght between open contacts	V AC 750
Ambient temperature range	°C -40...+70
Protection category	IP 67
<b>Approvals:</b> (according to type)	

# 30 Series - Subminiature D.I.L. Relays 1.25 A

## ORDERING INFORMATION

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

**3 0 . 2 2 . 7 . 0 1 2 . 0 0 0 0**

**Series** ———— 30

**Type** ———— 2  
2 = P.C.B.

**No. of poles** ———— 22  
2 = 2 CO (DPDT), 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 = Standard

**C: Options**  
0 = Standard

**D: Special applications**  
0 = Standard

## 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

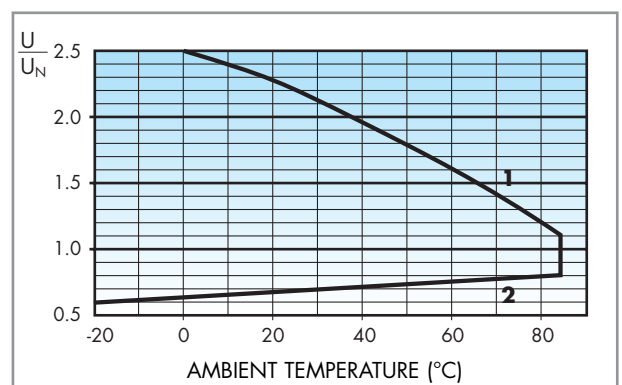
VIBRATION RESISTANCE (10...55Hz): NO/NC	g/g	10/10	
POWER LOST IN THE ENVIRONMENT	without contact current	W	0.2
	with rated current	W	0.4
RECOMMENDED DISTANCE between RELAY mounted on P.C.B.s	mm	≥5	

## COIL SPECIFICATIONS

### DC VERSION DATA (0.2 W sensitive)

Nominal voltage $U_N$ V	Coil code	Operating range		Resistance R Ω	Rated coil absorption I at $U_N$ mA
		$U_{min}$ V	$U_{max}$ V		
5	7.005	3.5	9.5	125	40
6	7.006	4.2	11.4	180	33
9	7.009	6.3	17.1	405	22
12	7.012	8.4	22.8	720	16
24	7.024	16.8	45.6	2,880	8.3
48	7.048	33.6	91.2	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