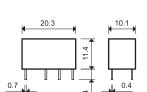
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Printed circuit mount 2 A signal relay

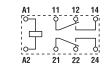
- 2 Pole changeover contacts Low level switching capability
- Subminiature industry standard DIL package
- Sensitive DC coil 200 mW
- Wash tight: RT III
- Cadmium Free contact material

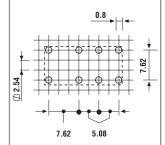


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- Low coil power
- Au clad contacts
- PCB mount





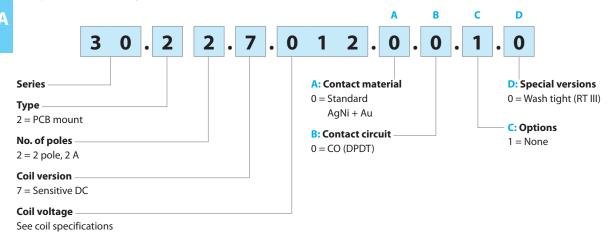
Copper side view

Contact specification			
Contact configuration	2 CO (DPDT)		
Rated current/Maximum peak cu	2/3		
Rated voltage/ Maximum switching voltage	125/250		
Rated load AC1	125		
Rated load AC15 (230 V AC)	25		
Single phase motor rating (230 V	_		
Breaking capacity DC1: 30/110/22	2/0.3/—		
Minimum switching load	mW (V/mA)	10 (0.1/1)	
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 3	
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 · 10³	
Operate/release time	ms	6/2	
Insulation between coil and contacts (1.2/50 µs)	kV	1.5	
Dielectric strength between open contacts	V AC	750	
Ambient temperature range	-40+85		
Environmental protection		RT III	
Approvals (according to type)		® [Al Co can us	



Ordering information

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



Technical data

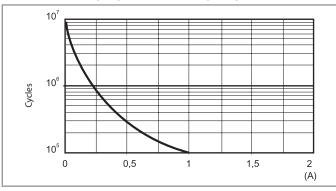
Insulation according to EN 61810-1				
Nominal voltage of supply system	V AC	230/400	120240 single phase	
Rated insulation voltage	V AC	250	125	
Pollution degrees		1	2	
Insulation between coil and contact set			·	
Type of insulation		Basic	Basic	
Overvoltage category		I	II	
Rated impulse voltage	kV (1.2/50 μs)	1.5	1.5	
Dielectric strength V AC		1000	1000	
Insulation between adjacent contacts				
Type of insulation		Basic	Basic	
Overvoltage category		I	II	
Rated impulse voltage	kV (1.2/50 μs)	1.5	1.5	
Dielectric strength	V AC	1500	1500	
Insulation between open contacts				
Type of disconnection		Micro-disconnection	Micro-disconnection	
Dielectric strength	V AC/kV (1.2/50 μs)	750/1	750/1	
Other data				
ounce time: NO/NC ms		1/3		
/ibration resistance (555)Hz: NO/NC g		15/15		
Shock resistance g		16		
Power lost to the environment	without contact current W	0.2		
	with rated current W	0.4		
Recommended distance between relays n	nounted 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.

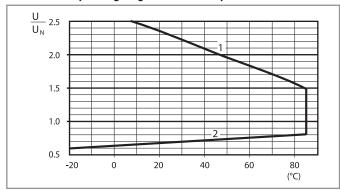
Coil specifications

DC coil data - 0.2 W sensitive

Nominal voltage	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	36	72	10000	4.8

^{*} Rated power: 0.23 W

R 30 - DC coil operating range v ambient temperature



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