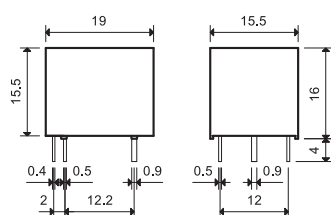


Features

Printed circuit mount 10 A relay

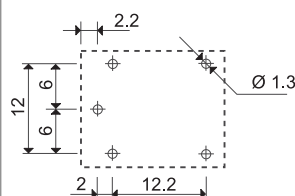
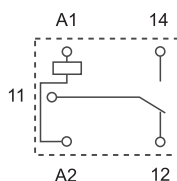
- New smaller size
- 1 Pole changeover contacts or 1 Pole normally open contact
- Miniature - "Sugar cube" package
- DC coil - 360 mW
- Wash tight: RT III
- Cadmium Free contact material
- RoHS conform



NEW 36.11-4001



- 1 CO (SPDT), 10 A
- Sugar cube size
- PCB mount

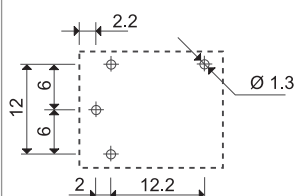
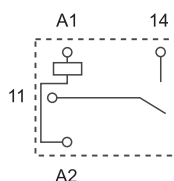


Copper side view

NEW 36.11-4301



- 1 NO (SPST-NO), 10 A
- Sugar cube size
- PCB mount



Copper side view

Contact specification

Contact configuration	1 CO (SPDT)	1 NO (SPST-NO)
Rated current/Maximum peak current	A 10/15	10/15
Rated voltage/Maximum switching voltage V AC	250/250	250/250
Rated load AC1	VA 2,500	2,500
Rated load AC15 (230 V AC)	VA 500	500
Single phase motor rating (230 V AC)	kW 0.37	0.37
Breaking capacity DC1: 30/110/220 V	A 10/0.3/0.12	10/0.3/0.12
Minimum switching load	mW (V/mA) 500 (5/100)	500 (5/100)
Standard contact material	AgSnO ₂	AgSnO ₂

Coil specification

Nominal voltage (U _N)	V AC (50/60 Hz)	—	—
	V DC	3 - 5 - 6 - 9 - 12 - 24 - 48	3 - 5 - 6 - 9 - 12 - 24 - 48
Rated power AC/DC	VA (50 Hz)/W	—/0.36	—/0.36
Operating range	AC	—	—
	DC	(0.75...1.5)U _N	(0.75...1.5)U _N
Holding voltage	AC/DC	—/0.4 U _N	—/0.4 U _N
Must drop-out voltage	AC/DC	—/0.1 U _N	—/0.1 U _N

Technical data

Mechanical life AC/DC	cycles	—/10 · 10 ⁶	—/10 · 10 ⁶
Electrical life at rated load AC1	cycles	100 · 10 ³	100 · 10 ³
Operate/release time	ms	9/3	9/2
Insulation between coil and contacts (1.2/50 µs)	kV	4	4
Dielectric strength between open contacts V AC		1,000	1,000
Ambient temperature range	°C	−40...+85	−40...+85
Environmental protection		RT III	RT III

Approvals (according to type)



Ordering information

Example: 36 series miniature PCB relay, 1 CO (SPDT) - 10 A contacts, 12 V DC coil.

	3	6	.	1	.	1	.	9	.	0	1	2	.	4	A	0	B	0	C	0	D	1	
Series	36			1		1		9		012				4	A: Contact material 4 = AgSnO ₂		0	B: Contact circuit 0 = CO (SPDT) 3 = NO (SPST)		0	C: Options 0 = None	1	D: Special versions 1 = Wash tight (RT III)
Type 1 = PCB mount																							
No. of poles 1 = 1 pole, 10 A																							
Coil version 9 = DC																							
Coil voltage See coil specifications																							

Selecting features and options: only combinations in the same row are possible.
Preferred selections for best availability are shown in **bold**.

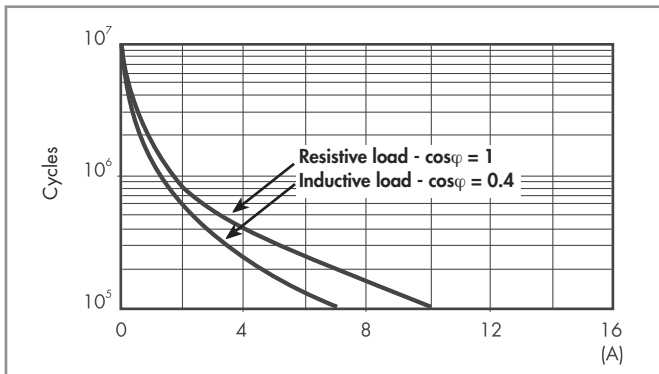
Type	Coil version	A	B	C	D
36.11	DC	4	0 - 3	0	1

Technical data

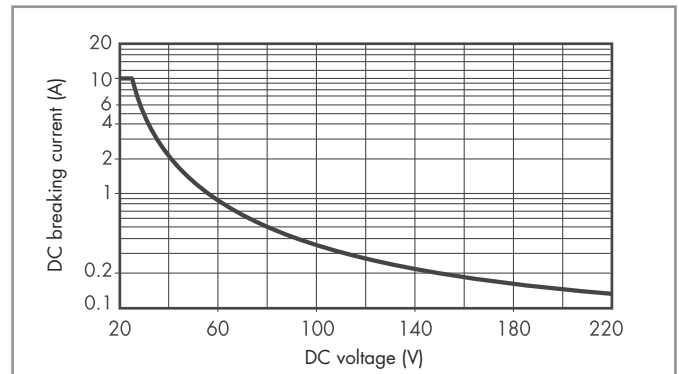
Insulation according to EN 61810-1				
Nominal voltage of supply system		V AC	230/400	
Rated insulation voltage		V AC	250	
Pollution degree			2	
Insulation between coil and contact set				
Type of insulation		Basic		
Overvoltage category		II		
Rated impulse voltage		kV (1.2/50 μs)	2.5	
Dielectric strength		V AC	2,500	
Insulation between open contacts				
Type of disconnection		Micro-disconnection		
Dielectric strength		V AC/kV (1.2/50 μs)	1,000/1.5	
Other data				
Bounce time: NO/NC		ms	1/6 (changeover)	1/— (normally open)
Vibration resistance (5...55)Hz: NO/NC		g	15/15 (changeover)	15/— (normally open)
Shock resistance		g	16	
Power lost to the environment		without contact current	W	0.4
		with rated current	W	1.4
Recommended distance between relays mounted on PCB		mm	≥ 5	

Contact specification

F 36 - Electrical life (AC) v contact current



H 36 - Maximum DC1 breaking capacity



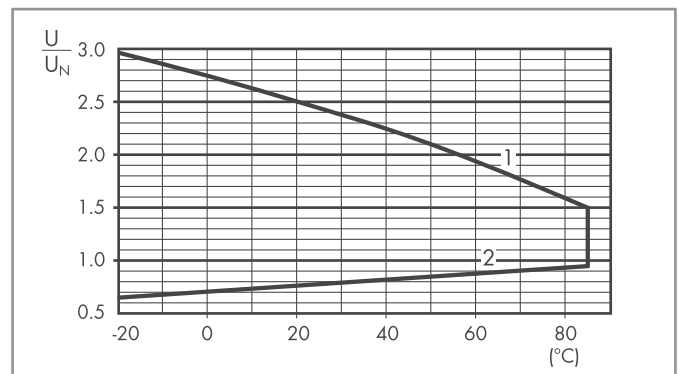
- When switching a resistive load (DC1) having voltage and current values under the curve, an electrical life of $\geq 100 \cdot 10^3$ can be expected.
- In the case of DC13 loads, the connection of a diode in parallel with the load will permit a similar electrical life as for a DC1 load.
Note: the release time for the load will be increased.

Coil specifications

DC coil data

Nominal voltage U_N	Coil code	Operating range		Resistance	Rated coil consumption
V		U_{min} V	U_{max} V	R Ω	I at U_N mA
3	9.003	2.2	4.5	25	120
5	9.005	3.7	7.5	70	72
6	9.006	4.5	9	100	60
9	9.009	6.7	13.5	225	40
12	9.012	9	18	400	30
24	9.024	18	36	1,600	15
48	9.048	36	72	6,400	7.5

R 36 - DC coil operating range v ambient temperature



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