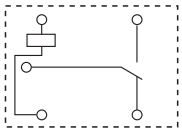
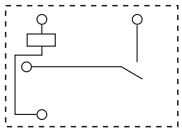
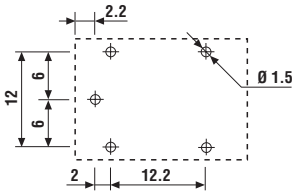
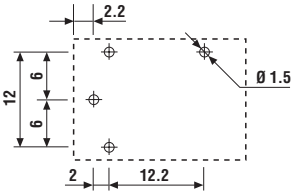
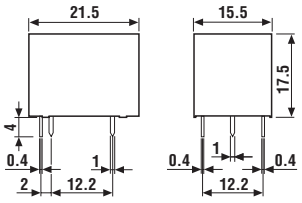
Features

Printed circuit mount 10 A relay

- 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 option

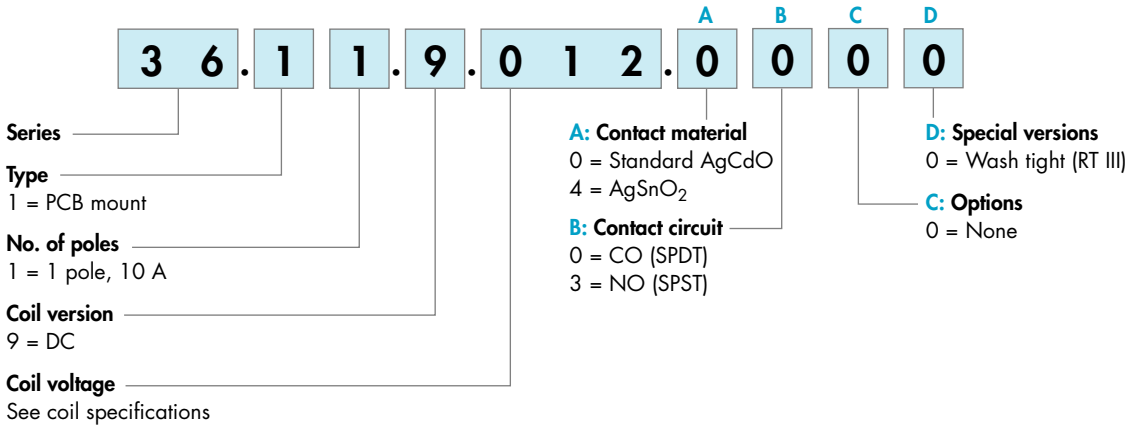
	36.11	36.11-0300
		
	• 1 CO (SPDT), 10 A • Sugar cube size • PCB mount	• 1 NO (SPST-NO), 10 A • Sugar cube size • PCB mount
		
		
	Copper side view	Copper side view



Contact specification			
Contact configuration			1 CO (SPDT) / 1 NO (SPST-NO)
Rated current/Maximum peak current		A	10/15
Rated voltage/Maximum switching voltage		V AC	250/250
Rated load AC1		VA	2,500
Rated load AC15 (230 V AC)		VA	500
Single phase motor rating (230 V AC)		kW	0.37
Breaking capacity DC1: 30/110/220 V		A	10/0.3/0.12
Minimum switching load		mW (V/mA)	500 (5/100)
Standard contact material			AgCdO
Coil specification			
Nominal voltage (U_N)	V AC (50/60 Hz)		—
	V DC		3 - 5 - 6 - 9 - 12 - 24 - 48
Rated power AC/DC	VA (50 Hz)/W		—/0.36
Operating range	AC		—
	DC		(0.75...1.5)U_N
Holding voltage	AC/DC		—/0.4 U_N
Must drop-out voltage	AC/DC		—/0.1 U_N
Technical data			
Mechanical life AC/DC		cycles	—/10 · 10^6
Electrical life at rated load AC1		cycles	100 · 10^3
Operate/release time		ms	7/3
Insulation between coil and contacts (1.2/50 µs)		kV	4
Dielectric strength between open contacts		V AC	1,000
Ambient temperature range		°C	–40...+85
Environmental protection			RT III
Approvals (according to type)			

Ordering information

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



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

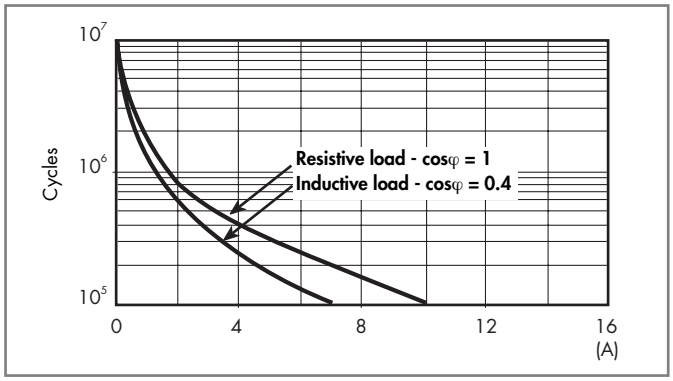
Type	Coil version	A	B	C	D
36.11	DC	**0** - 4	**0** - 3	**0**	**0**

Technical data

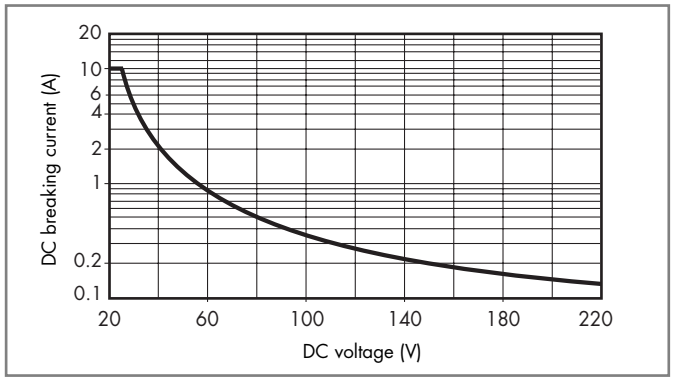
Insulation				
Insulation according to EN 61810-1 ed. 2	insulation rated voltage	V	250	
	rated impulse withstand voltage	kV	2.5	
	pollution degree		2	
	overvoltage category		II	
Insulation between coil and contacts (1.2/50 µs)		kV	4	
Dielectric strength between open contacts		V AC	1,000	
Other data				
Bounce time: NO/NC		ms	1/6 (changeover)	1/— (normally open)
Vibration resistance (5...55)Hz, max. ± 1 mm: 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



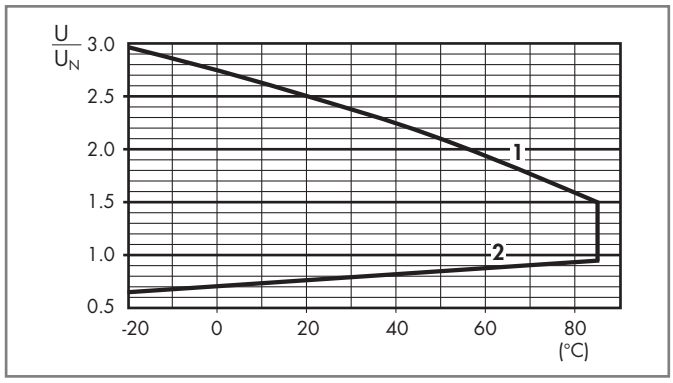
- When switching a resistive load (DC1) having voltage and current values under the curve, an electrical life of ≥ 100·10³ can be expected.
- In the case of DC13 loads, the connection of a diode in parallel with the load will permit a similar electrical life as for a DC1 load. Note: the release time for the load will be increased.

Coil specifications

DC coil data

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