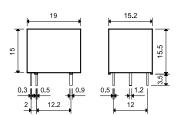
### Printed circuit mount 10 A relay

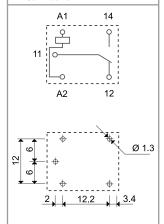
- New smaller size
- 1 Pole changeover contacts
- Miniature "Sugar cube" package
- DC coil 360 mW
- Wash tight: RT III
- Cadmium Free contact material
- RoHS conform



## 36.11-4011



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



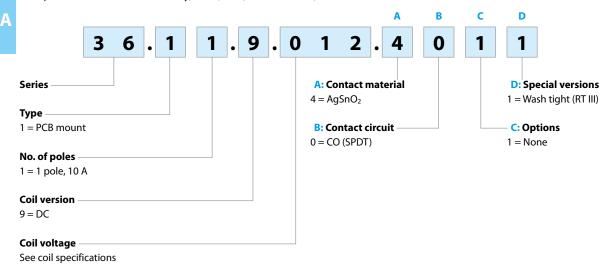
## Copper side view

Contact specification			
Contact configuration	1 CO (SPDT)		
Rated current/Maximum peak cu	10/15		
Rated voltage/ Maximum switching voltage	V AC	250/250	
Rated load AC1	VA	2500	
Rated load AC15 (230 V AC)	VA	500	
Single phase motor rating (230 V	AC) kW	0.37	
Breaking capacity DC1: 30/110/2	20 V A	10/0.3/0.12	
Minimum switching load	500 (5/100)		
Standard contact material		AgSnO <sub>2</sub>	
Coil specification			
Nominal voltage (U <sub>N</sub> )	V AC (50/60 Hz)	_	
	V DC	3 - 5 - 6 - 9 - 12 - 18 - 24 - 48	
Rated power AC/DC	VA (50 Hz)/W	—/0.36	
Operating range	AC	_	
	DC	(0.751.3)U <sub>N</sub>	
Holding voltage	AC/DC	—/0.4 U <sub>N</sub>	
Must drop-out voltage	AC/DC	—/0.1 U <sub>N</sub>	
Technical data			
Mechanical life AC/DC	cycles	—/10 · 10 <sup>6</sup>	
Electrical life at rated load AC1	cycles	50 · 10³	
Operate/release time	ms	10/5	
Insulation between coil and contacts (1.2/50 μs)	kV	4	
Dielectric strength between open contacts	V AC	750	
Ambient temperature range	°C	-40+85	
Environmental protection		RT III	
Approvals (according to type)		[A] c <b>91</b> 0s 🕸	



# **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. $\label{eq:combination}$

Preferred selections for best availability are shown in  $\boldsymbol{bold}.$ 

Туре	Coil version	A	В	С	D
36.11	DC	4	0	1	1

## **Technical data**

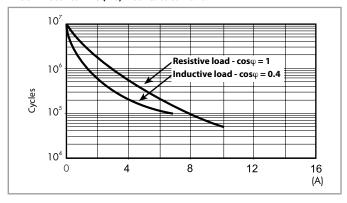
Insulation according to EN 61810-1		
Nominal voltage of supply system	V AC	230/400
Rated insulation voltage	V AC	250
Pollution degree		2
Insulation between coil and contact set		
Type of insulation		Basic
Overvoltage category		II
Rated impulse voltage	kV (1.2/50 μs)	4
Dielectric strength	V AC	2500
Insulation between open contacts		
Type of disconnection		Micro-disconnection
Dielectric strength	V AC/kV (1.2/50 μs)	750/1.5
Other data		
Shock resistance	g	10
Bounce time: NO/NC	ms	1/6
Vibration resistance (555 Hz): NO/NC	g	14/8
Power lost to the environment		
	without contact current W	0.4
	with rated current W	1.4
Recommended distance between relays n	nounted on PCB mm	≥5

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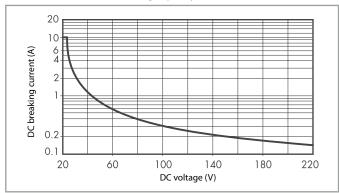


# **Contact specification**

### 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  $\geq 50 \cdot 10^3$  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.

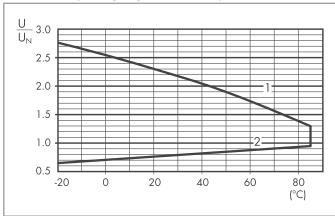
  Note: the release time for the load will be increased.

# **Coil specifications**

### DC coil data

Nominal voltage	Coil code	Operating range		Resistance	Rated coil consumption
U <sub>N</sub>		U <sub>min</sub>	U <sub>max</sub>	R	I at U <sub>N</sub>
V		V	V	Ω	mA
3	<b>9</b> .003	2.2	3.9	25	120
5	<b>9</b> .005	3.7	6.5	70	72
6	<b>9</b> .006	4.5	7.8	100	60
9	<b>9</b> .009	6.7	11.7	225	40
12	<b>9</b> .012	9	15.6	400	30
18	<b>9</b> .018	13.5	23.4	900	20
24	<b>9</b> .024	18	31.2	1600	15
48	<b>9</b> .048	36	62.4	6400	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.