

- Sensitive DC coil, 360 mW
- Wash tight: RT III
- Basic insulation VDE 0435

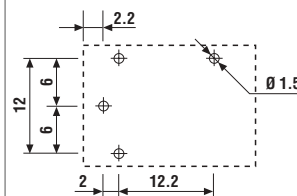
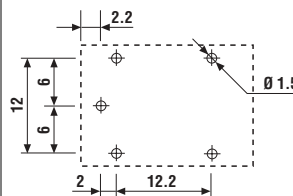
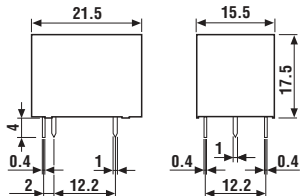
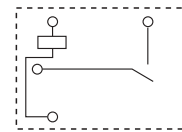
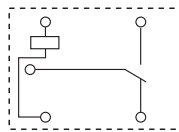
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- Sugar cube
- 1 CO (SPDT)
- P.C.B. mounting

- Sugar cube
- 1 NO (SPST-NO)
- P.C.B. mounting



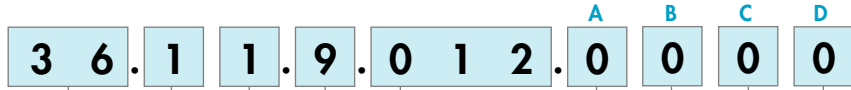
Copper side view

Copper side view

Contact specifications			
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 in AC1	VA	2,500	2,500
Rated load in AC15 (230 V AC)	VA	500	500
Single phase motor rating (230 V AC)	kW	0.37	0.37
Breaking capacity in 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		AgCdO	AgCdO
Coil specifications			
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/sens. 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	7/3	7/2
Insulation according to EN 61810-1 ed. 2		2.5 kV/2	2.5 kV/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)		GOST	GOST

ORDERING INFORMATION

Example: a 36 series miniature P.C.B. relay, 1 CO (SPDT) 10 A contacts, with 12 V DC coil.



Series ————
Type ————
 1 = P.C.B.
No. of poles ————
 1 = 1 pole, 10 A
Coil version ————
 9 = DC
Coil voltage ————
 see coil specifications

A: Contact material
 0 = Standard AgCdO
 4 = AgSnO₂

B: Contact circuit
 0 = CO (SPDT)
 3 = NO (SPST)

C: Options
 0 = None

D: Special versions
 0 = Wash tight (RT III)

Only combinations in the same row are possible

Preferred versions

	coil version	A	B	C	D
36.11	DC	0	0	0	0

All versions

	coil version	A	B	C	D
36.11	DC	0 - 4	0 - 3	0	0

TECHNICAL DATA

INSULATION

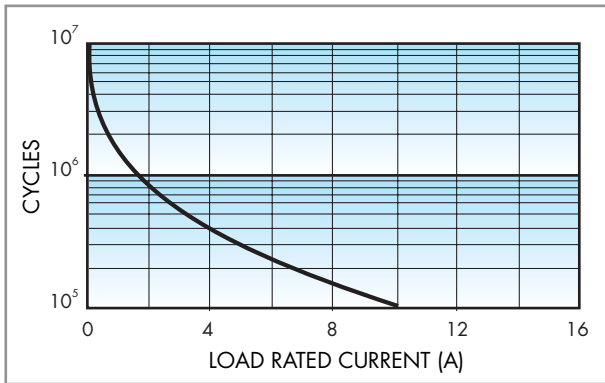
Insulation according to EN 61810-1 ed. 2	insulation rated voltage	V	250
	rated impulse withstand voltage	kV	2.5
	pollution degree		2
	overvoltage category		II

OTHER DATA

Bounce time: NO/NC	ms	1/6 (for CO or SPDT)	1/— (for NO or SPST-NO)
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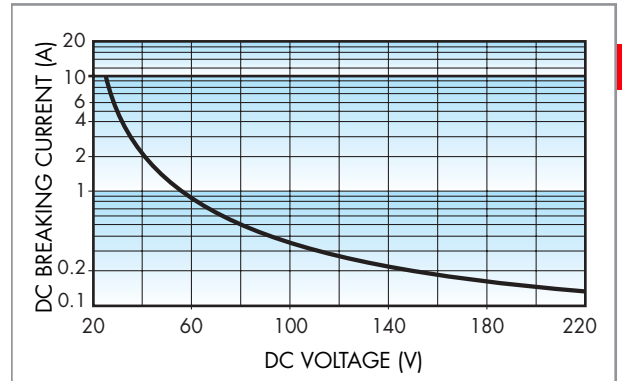
CONTACT SPECIFICATIONS

F 36



Electrical life vs AC1 load.

H 36



Breaking capacity in DC1 load.

- When switching a resistive load (DC1) having voltage and current values under the curve the expected electrical life is $\geq 100 \cdot 10^5$ cycles.
- In case of DC13 loads the connection of a diode in parallel with the load will permit the same electrical life as for a DC1 load.

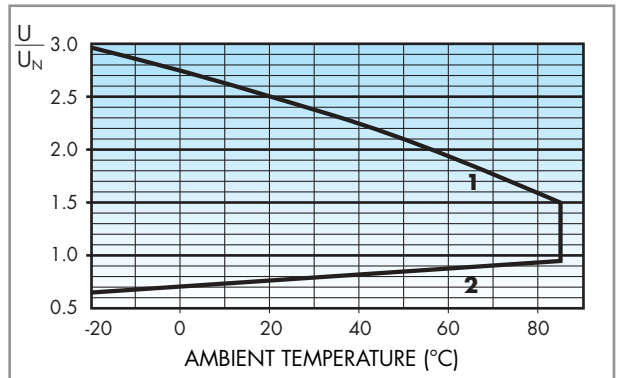
Note: the release time of load will be increase.

COIL SPECIFICATIONS

DC VERSION DATA

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



Operating range vs ambient temperature.

1 - Max coil voltage permitted.

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

