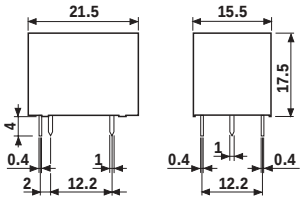
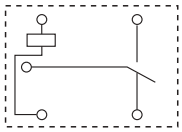
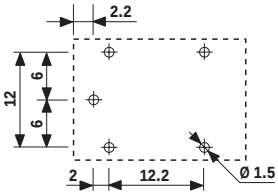
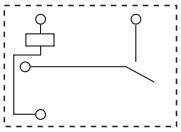
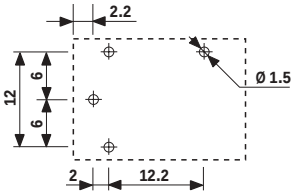
- *P.C.B. mount*
- *Sugar cube*
- *DC coil*
- *Sealed*

36



	36.11	36.11....0300
		
	- Sugar cube - 1 CO - P.C.B. mounting	- Sugar cube - 1 NO - P.C.B. mounting
	  Copper side view	  Copper side view
Contact specifications		
Contact configuration	1 CO	1 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 VAC) VA	500	500
Single phase motor rating (230 VAC) kW	0.37	0.37
Breaking capacity in DC1: 30 / 110 / 220V A	10 / 0.2 / 0.12	10 / 0.2 / 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 (50 Hz)	—	—
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 (bounce included) ms	10 / 5	10 / 5
Insulation according to EN 61810-5	2.5 kV / 2	2.5 kV / 2
Insulation between coil and contacts (1.2 / 50µs) kV	4	4
Dielectric strength between open contacts V AC	1,000	1,000
Ambient temperature range °C	–40...+85	–40...+85
Envirommental protection	RT III	RT III
Approvals: (according to type)	cULus GOST VDE	cULus GOST VDE

ORDERING INFORMATION

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

3 6	.	1	1	.	9	.	0 1 2	.	A: 0	B: 0	C: 0	D: 0

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

B: Contact circuit
0 = CO
3 = NO

C: Options
0 = None

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

TECHNICAL DATA

INSULATION

INSULATION according to EN 61810-5	insulation rated voltage	V	250
	rated impulse withstand voltage	kV	2.5
	pollution degree		2
	overvoltage category		II

CONTACT SPECIFICATIONS

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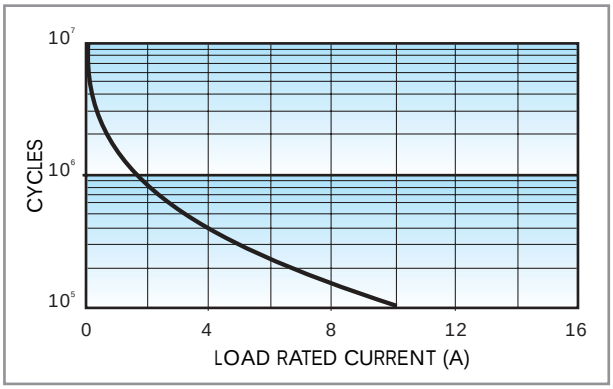
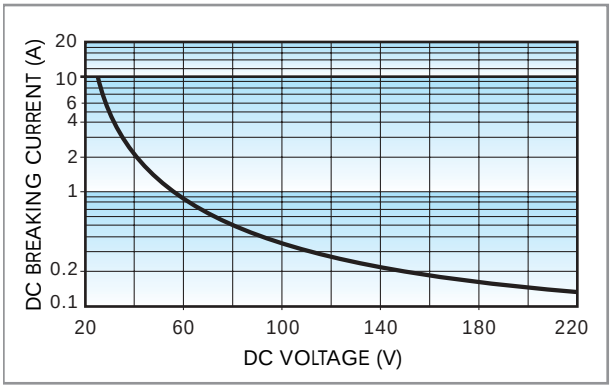


Electrical life vs AC1 load.

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 ≥ 100·10³ 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.

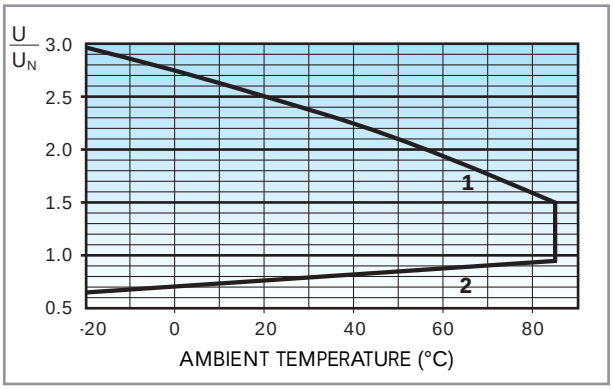
Note: the release time of load will be increase.

COIL SPECIFICATIONS

DC VERSION DATA

Nominal voltage U_N	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



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