

ORDERING INFORMATION

Example: a 43 series low-profile P.C.B. relay with 1 CO contact (SPDT), with coil rated 24 V DC.

4 3 . 4 1 . 7 . 0 2 4 . ^A2 ^B0 ^C0 ^D0

- Series** —————
- Type**
4 = P.C.B. - 3.2 mm pinning (CO/SPDT)
P.C.B. - 5 mm pinning (NO/SPST-NO)
6 = P.C.B. - 5 mm pinning (16 A)
- No. of poles** —————
1 = 1 pole
- Coil version** —————
7 = Sensitive DC
9 = DC (only for 43.61)
- Coil voltage** —————
see coil specifications

- A: Contact material**
2 = Standard AgCdO
4 = AgSnO₂
5 = AgNi + Au
- B: Contact circuit** —————
0 = CO (SPDT)
3 = NO (SPST)
- C: Options**
0 = None
- D: Special versions**
0 = Flux proof (RT II)
1 = Wash tight (RT III)

Only combinations in the same row are possible

Preferred versions

	coil version	A	B	C	D
43.41	sens. DC	2	0	0	0
43.61	DC	2	3	0	0

All versions

	coil version	A	B	C	D
43.41	sens. DC	2 - 4 - 5	0 - 3	0	0 - 1
43.61	DC	2 - 4	3	0	0

TECHNICAL DATA

INSULATION

Insulation according to EN 61810-1 ed. 2	insulation rated voltage	V	250
	rated impulse withstand voltage	kV	4
	pollution degree		3
	overvoltage category		III

CONDUCTED DISTURBANCE IMMUNITY

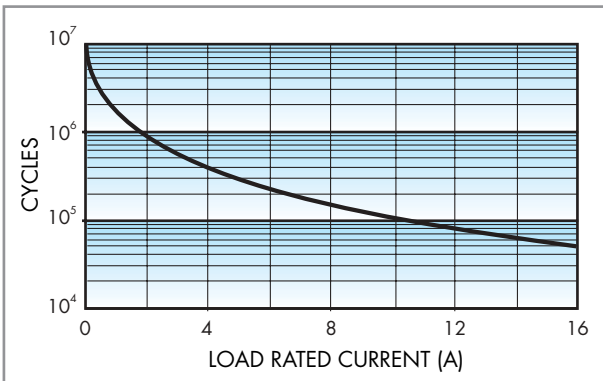
Burst (5...50)ns, 5 kHz, on A1 - A2	EN 61000-4-4	level 4 (4 kV)
Surge (1.2/50 μs) on A1 - A2 (differential mode)	EN 61000-4-5	level 3 (2 kV)

OTHER DATA

Bounce time: NO/NC	ms	3/6
Vibration resistance (10...55)Hz, max. ± 1 mm: NO/NC	g/g	10/10
Power lost to the environment	without contact current	W 0.25 (43.41)
	with rated current	W 1.3 (43.41)
Recommended distance between relays mounted on P.C.B.s	mm	≥ 5

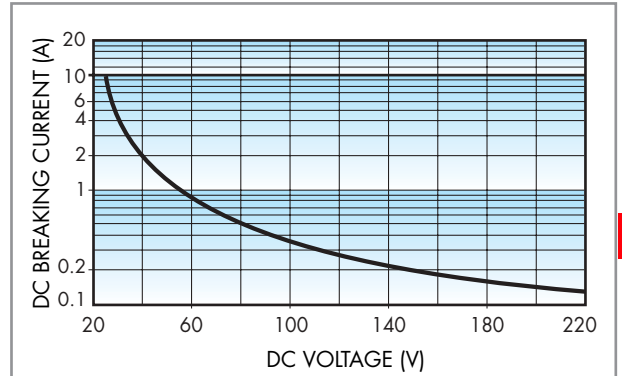
CONTACT SPECIFICATIONS

F 43



Electrical life vs AC1 load.

H 43



Breaking capacity in DC1 load.

- When switching a resistive load (DC1) having voltage and current values under the curve the expected electrical life is $\geq 100 \cdot 10^3$ 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.

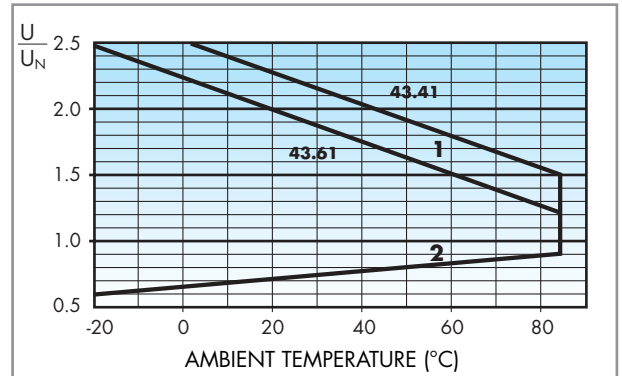
Note: the release time of load will be increase.

COIL SPECIFICATIONS

DC VERSION DATA (0.25 W sensitive - Type 43.41)

Nominal voltage U_N	Coil code	Operating range		Resistance R	Rated coil consumption I at U_N
		U_{min}	U_{max}		
V		V	V	Ω	mA
3	7.003	2.2	4.5	36	83.5
6	7.006	4.2	9	150	40
9	7.009	6.5	13.5	324	27.7
12	7.012	8.4	18	580	20.7
18	7.018	13	27	1,296	13.8
24	7.024	16.8	36	2,200	10.9
36	7.036	25.2	54	5,184	6.9
48	7.048	33.6	72	9,200	5.2

R 43 DC



Operating range vs ambient temperature.

1 - Max coil voltage permitted.

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

DC VERSION DATA (0.4 W standard - Type 43.61)

Nominal voltage U_N	Coil code	Operating range		Resistance R	Rated coil consumption I at U_N
		U_{min}	U_{max}		
V		V	V	Ω	mA
12	9.012	8.4	14.4	360	33.3
24	9.024	16.8	28.8	1,400	17.1
48	9.048	33.6	57.6	5,760	8.3