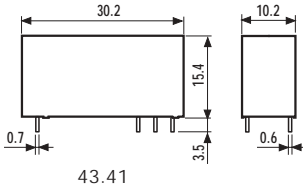
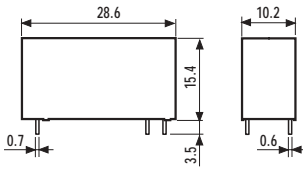


- 1 pole 10A
- 15.4 mm high
- Very low coil consumption, only 0.25 W
- 10 mm, 6 kV (1.2/50 μs) between coil and contacts
- Ambient temperature +85°C
- Sockets: see Type 95.23

43



43.41



43.41-0300

* for 400 V applications, requirements for pollution degree 2 are met.

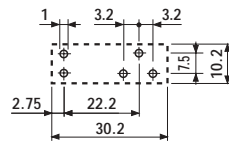
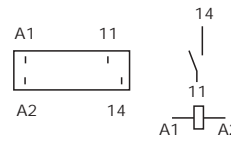
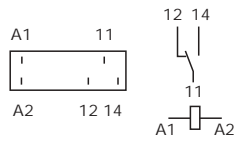
43.41

43.41...0300

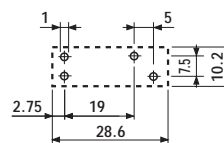


- 1 CO
- 3.2 mm pinning
- P.C.B. mounting or sockets 95 series

- 1 NO
- 5 mm pinning
- 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	250/400*	250/400*
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	—	—
Breaking capacity in DC1: 30/110/220V	A	10/0.3/0.12	10/0.3/0.12
Minimum switching load	mW (V/mA)	300 (5/5)	300 (5/5)
Standard contact material		AgCdO	AgCdO
Coil specifications			
Nominal voltage (U _N)	V AC (50/60 Hz)	—	—
	V DC	3 · 6 · 9 · 12 · 18 · 24 · 36 · 48	3 · 6 · 9 · 12 · 18 · 24 · 36 · 48
Rated power AC/DC	VA (50 Hz)/W	—/0.25	—/0.25
Operating range	AC (50 Hz)	—	—
	DC	(0.7...1.5)U _N	(0.7...1.5)U _N
Holding voltage	AC/DC	—/0.4 U _N	—/0.4 U _N
Must drop-out voltage	AC/DC	—/0.05 U _N	—/0.05 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	11/8	11/8
Insulation according to EN 61810-5		3.6 kV/3	3.6 kV/3
Insulation between coil and contacts (1.2/50μs)	kV	6 (10mm)	6 (10mm)
Dielectric strength between open contacts	V AC	1,000	1,000
Ambient temperature range	°C	−40...+85	−40...+85
Environmental protection		RT II	RT II
Approvals: (according to type)		GOST	GOST

ORDERING INFORMATION

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

4

3

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4

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1

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7

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0

2

4

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2

0

0

0

Series _____

Type _____
4 = P.C.B. - 3.2 mm pinning

No. of poles _____
1 = 1 pole, 10 A

Coil version _____
7 = Sensitive DC

Coil voltage _____
see coil specifications

A: Contact material
2 = Standard AgCdO
4 = AgSnO₂
5 = AgNi + Au

B: Contact circuit
0 = CO
3 = NO

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

All versions

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

TECHNICAL DATA

INSULATION

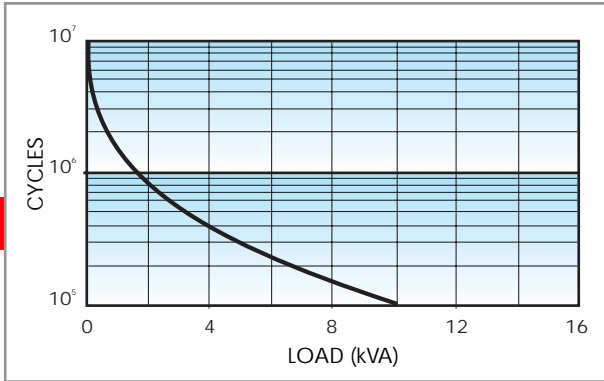
INSULATION according to EN 61810-5	insulation rated voltage	V	250
	rated impulse withstand voltage	kV	3.6
	pollution degree		3
	overvoltage category		III

OTHER DATA

VIBRATION RESISTANCE (10...55Hz): NO/NC	g/g	10/10
POWER LOST TO THE ENVIRONMENT	without contact current	W
	with rated current	W
RECOMMENDED DISTANCE between RELAYS mounted on P.C.B.s	mm	≥5

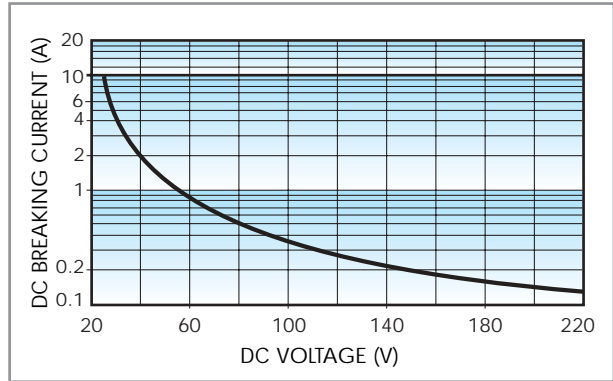
CONTACT SPECIFICATIONS

F 43



Electrical life vs AC1 load.

H 43



Breaking capacity in DC1 load.

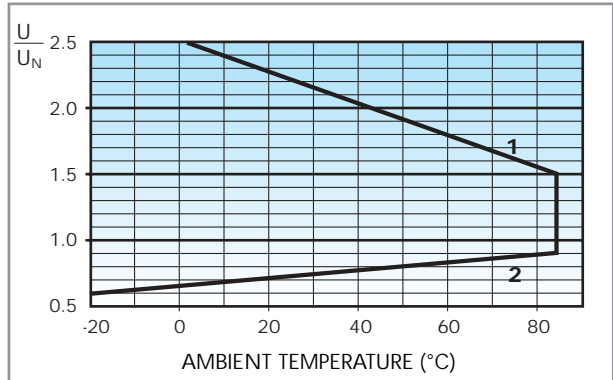
- When switching a resistive load (DC1) having voltage and current values under the curve the expected electrical life is $\geq 100 \cdot 10^3$ cycles.
 - In case of DC13 loads the connection of a diode in parallel with the load will permit the same electrical life as for a DC1 load.
- Note:** the release time of load will be increase.

COIL SPECIFICATIONS

DC VERSION DATA

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	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



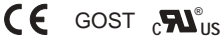
Operating range vs ambient temperature.

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

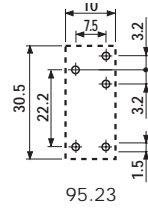
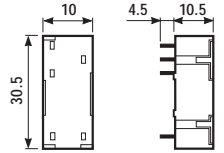


Relay type	43.41	
Colour	BLUE	BLACK
P.C.B. socket (only for CO version)	95.23	95.23.0
retaining clip 095.43 supplied with socket packaging code SNA		
Metal retaining clip	095.43	

Approvals
(according to type):



- RATED VALUES: 10 A - 250 V
- INSULATION: ≥ 6 kV (1.2/50 μ s) between coil and contacts
- PROTECTION CATEGORY: IP 20
- AMBIENT TEMPERATURE: (-40...+70) $^{\circ}$ C



Copper side view

43

PACKAGING CODES

How to code and identify retaining clip and packaging options for sockets.

Code options according to the last three letters:

