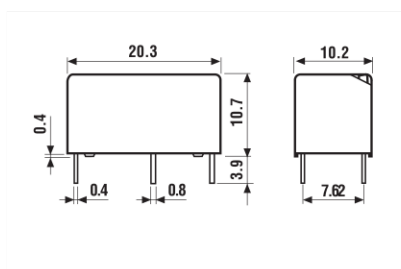


- Sensitive DC version
- Low profile
- NO (SPST-NO) version available
- Wash tight: RT III



32.21-x000

32.21-x300

- 1 CO (SPDT), 6 A - P.C.B. mounting	- 1 NO (SPST-NO), 6 A - 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	6/15	6/15
Rated voltage/Maximum switching voltage	V AC	250/400	250/400
Rated load in AC1	VA	1,500	1,500
Rated load in AC15 (230 V AC)	VA	250	250
Single phase motor rating (230 V AC)	kW	0.185	0.185
Breaking capacity in DC1: 30/110/220 V	A	3/0.35/0.2	3/0.35/0.2
Minimum switching load	mW (V/mA)	500 (10/5)	500 (10/5)
Standard contact material		AgCdO	AgCdO
Coil specifications			
Nominal voltage (U _N)	V AC (50/60 Hz)	—	—
	V DC	5 - 12 - 24 - 48	5 - 12 - 24 - 48
Rated power AC/DC	VA (50 Hz)/W	—/0.2	—/0.2
Operating range	AC	—	—
	DC	(0.78...1.5)U _N	(0.78...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	—/20 · 10 ⁶	—/20 · 10 ⁶
Electrical life at rated load AC1	cycles	100 · 10 ³	100 · 10 ³
Operate/release time	ms	6/4	6/—
Insulation according to EN 61810-1 ed. 2		4 kV/2	4 kV/2
Insulation between coil and contacts (1.2/50 µs)	kV	5	5
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):			

ORDERING INFORMATION

Example: a 32 series P.C.B. relay with 1 NO (SPDT-NO) contact 6 A, coil rated at 24 V sensitive DC.

	3	2	.	2	1	.	7	.	0	2	4	.	A	2	B	3	C	0	D	0
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Series _____

Type _____
2 = P.C.B. mounting

No. of poles _____
2 = 1 pole, 6 A

Coil version _____
7 = Sensitive DC

Coil voltage _____
see coil specifications

A: Contact material
2 = Standard AgCdO
4 = AgSnO₂

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

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

C: Options
0 = None

Only combinations in the same row are possible

Preferred versions

	coil version	A	B	C	D
32.21	sens. DC	2	0 - 3	0	0

All versions

	coil version	A	B	C	D
32.21	sens. DC	2 - 4	0 - 3	0	0

TECHNICAL DATA

INSULATION

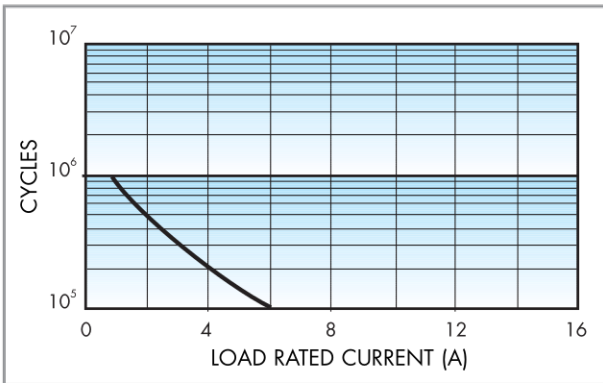
Insulation according to EN 61810-1 ed. 2	insulation rated voltage	V	250
	rated impulse withstand voltage	kV	4
	pollution degree		2
	overvoltage category		III

OTHER DATA

Bounce time: NO/NC	ms	2/10 (for CO or SPDT)	2/— (for NO or SPST-NO)
Vibration resistance (10...55)Hz, max. ± 1 mm: NO/NC	g/g	10/10 (for CO or SPDT)	10/— (for NO or SPST-NO)
Power lost to the environment	without contact current	W	0.2
	with rated current	W	0.5
Recommended distance between relays mounted on P.C.B.s	mm	≥ 5	

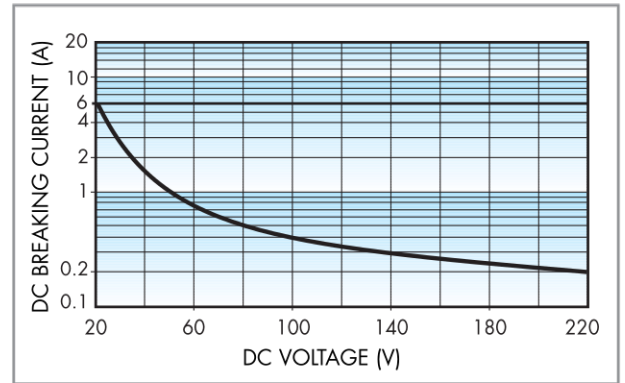
CONTACT SPECIFICATIONS

F 32



Contact life vs AC1 load.

H 32



Breaking capacity for 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.

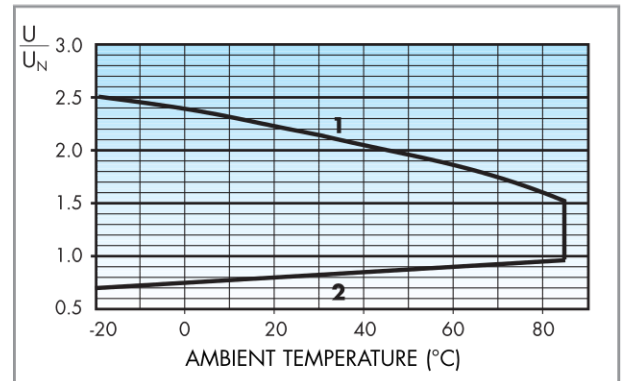
Note: the release time of load will be increase.

COIL SPECIFICATIONS

DC VERSION DATA (0.2 W sensitive)

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		
5	7.005	3.9	7.5	125	40
12	7.012	9.4	18	720	16
24	7.024	18.7	36	2,880	8.3
48	7.048	37.4	72	11,520	4

R 32 DC



Operating range vs ambient temperature.

1 - Max coil voltage permitted.

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

