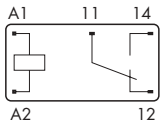
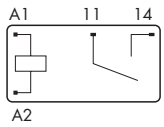
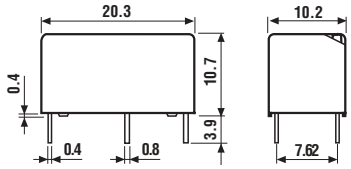
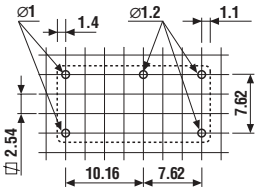
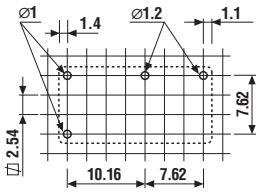
- *Sensitive DC version*
- *Low profile*
- *NO (SPST-NO) version available*
- *Wash tight: RT III*

	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):	cULus VDE	

32

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

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 = $AgSnO_2$

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
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

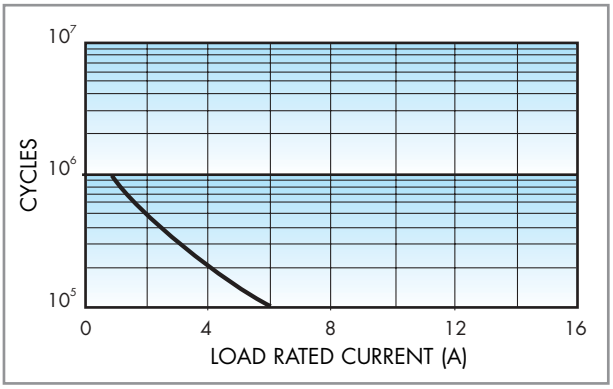
Insulation according to EN 61810-1 ed. 2	insulation rated voltage V	250
	rated impulse withstand voltage kV	4
	pollution degree	2
	overvoltage category	III

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	

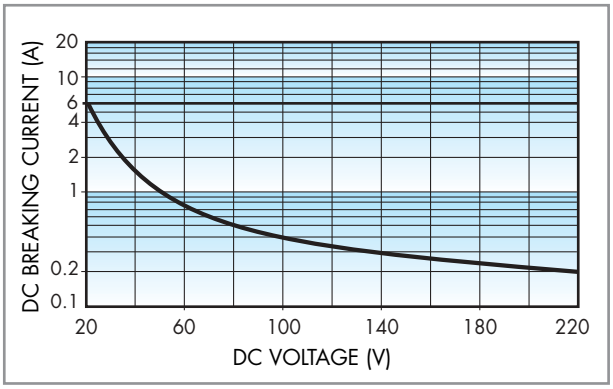
CONTACT SPECIFICATIONS

F 32



Contact life vs AC1 load.

H 32



Breaking capacity for DC1 load.

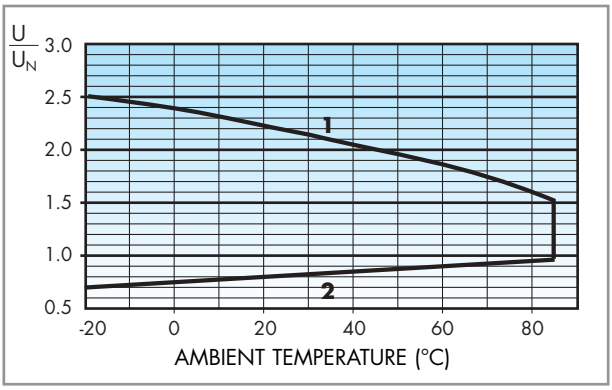
• When switching a resistive load (DC1) having voltage and current values under the curve the expected electrical life is ≥ $100 \cdot 10^3$ cycles.
• In case of DC13 loads the connection of a diode in parallel with the load will permit the same electrical life as for a DC1 load.
Note: the release time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

COIL SPECIFICATIONS

DC VERSION DATA (0.2 W sensitive)

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