

Ordering information

Example: 4C series, 35 mm rail (EN 50022) mount screw terminal relay interface module, 1 CO (SPDT) 16 A contacts, 24 V DC coil, green LED + diode.

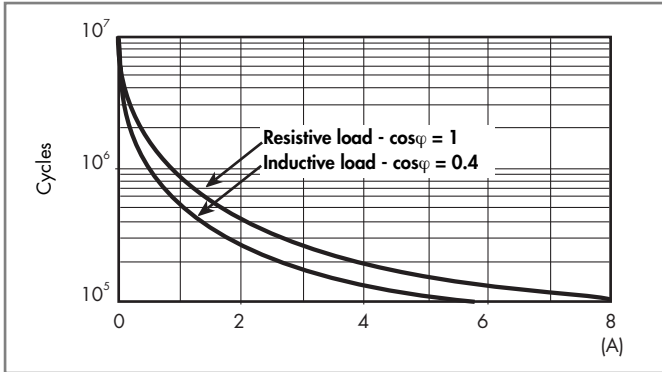
	4	C	.	0	1	.	9	.	0	2	4	.	0	0	5	0
<p>Series _____</p> <p>Type _____</p> <p>0 = 35 mm rail (EN 50022) mount screw terminal socket</p> <p>5 = 35 mm rail (EN 50022) mount screwless terminal socket</p> <p>No. of poles _____</p> <p>1 = 1 pole</p> <p>2 = 2 pole</p> <p>Coil version _____</p> <p>8 = AC (50/60 Hz)</p> <p>9 = DC</p> <p>Coil voltage _____</p> <p>See coil specifications</p>													<p>A: Contact material</p> <p>0 = AgNi</p> <p>B: Contact circuit</p> <p>0 = CO (nPDT)</p>	<p>C: Options</p> <p>5 = Standard for DC: green LED + diode (polarity +A1)</p> <p>6 = Standard for AC: green LED + Varistor</p>	<p>D: Special version</p> <p>0 = Standard</p>	

Technical data

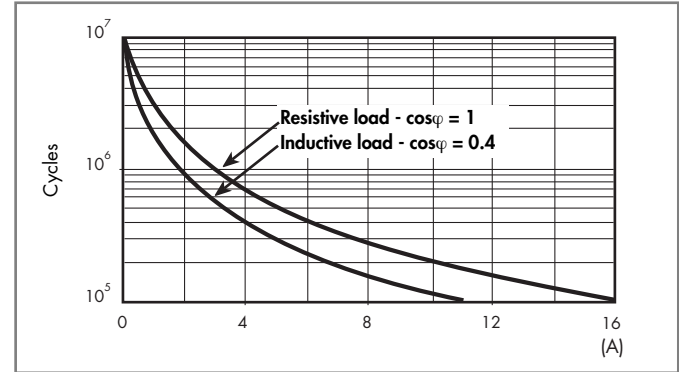
Insulation				
Insulation according to EN 61810-1	insulation rated voltage	V	250	440
	rated impulse withstand voltage	kV	4	4
	pollution degree		3	2
	overvoltage category		III	III
Insulation between coil and contacts (1.2/50 µs)		kV	6 (8 mm)	
Dielectric strength between open contacts		V AC	1000	
Dielectric strength between adjacent contacts		V AC	2000	
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	2/6 (4C.01/51)	1/4 (4C.02/52)
Vibration resistance (10...150)Hz: NO/NC		g	20/12	
Power lost to the environment	without contact current	W	0.6	
	with rated current	W	1.6 (4C.01/51)	2 (4C.02/52)
			4C.01/4C.02	4C.51/4C.52
Wire strip length		mm	8	
Screw torque		Nm	0.5	
Max. wire size			solid cable	stranded cable
		mm²	1x6/2x2.5	1x4/2x2.5
		AWG	1x10/2x14	1x12/2x14
			solid cable	stranded cable
			2x(0.2...1.5)	2x(0.2...1.5)
			2x(24...18)	2x(24...18)

Contact specification

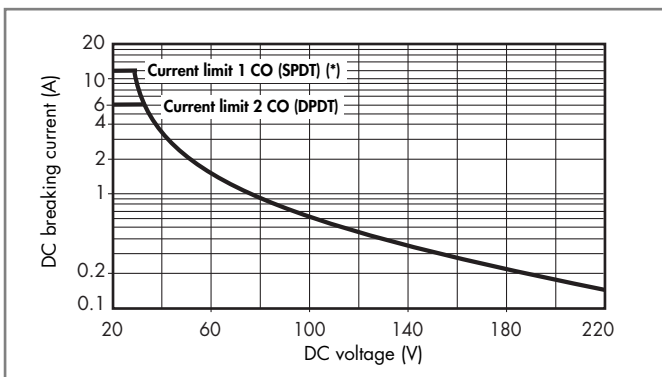
F 4C - Electrical life (AC) v contact current
Types 4C.02/52



F 4C - Electrical life (AC) v contact current
Types 4C.01/51



H 4C - Maximum DCI breaking capacity



(*) Type 4C.01 = 12 A, Type 4C.51 = 10 A

- When switching a resistive load (DCI) having voltage and current values under the curve, an electrical life of $\geq 100 \cdot 10^3$ can be expected.
- In the case of DCI3 loads, the connection of a diode in parallel with the load will permit a similar electrical life as for a DCI load. Note: the release time for the load will be increased.

Coil specifications

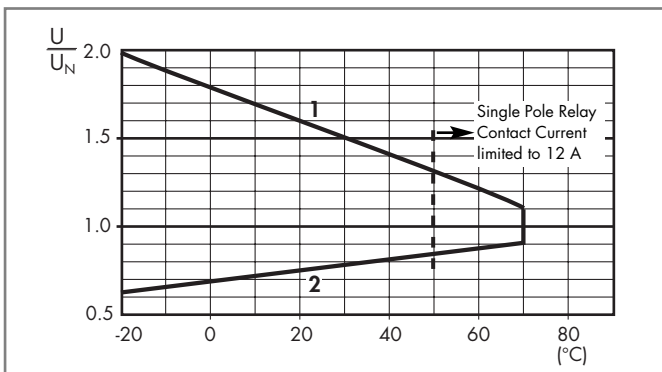
DC coil data

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		
12	9.012	8.8	13.2	300	40
24	9.024	17.5	26.4	1200	20
125	9.125	91.2	137.5	32000	3.9

AC coil data

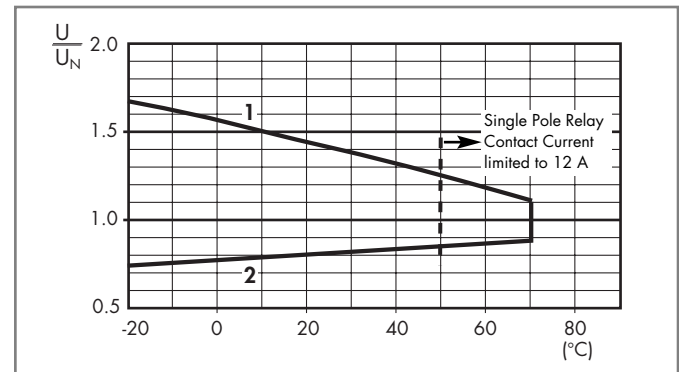
Nominal voltage U_N V	Coil code	Operating range		Resistance R Ω	Rated coil consumption I at U_N mA
		U_{min} V	U_{max} V		
12	8.012	9.6	13.2	80	90
24	8.024	19.2	26.4	320	45
110	8.110	88	121	6900	9.4
120	8.120	96	132	9000	8.4
230	8.230	184	253	28000	5

R 4C - DC coil operating range v ambient temperature



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

R 4C - AC coil operating range v ambient temperature



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

----- Temperature limit for the single pole version under full 16 A contact current.