

Ordering information

Example: 4C series, 35 mm rail (EN 60715) mount, Push-in terminal relay interface module, 1 CO 10 A contacts, 24 V DC coil, green LED + diode.

4

C

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P

1

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9

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Series —

Type —
0 = 35 mm rail (EN 60715) mount
screw terminal socket
P = 35 mm rail (EN 60715) mount
Push-in terminal socket

No. of poles —
1 = 1 pole
2 = 2 pole

Coil version —
8 = AC (50/60 Hz)
9 = DC

Coil voltage —
See coil specifications

A: Contact material
0 = AgNi
4 = AgSnO₂
5 = AgNi + Au

B: Contact circuit
0 = CO (nPDT)

C: Options
5 = Standard for DC:
green LED + diode (polarity +A1)
6 = Standard for AC:
green LED + Varistor

D: Special versions
0 = Standard

Selecting features and options: only combinations in the same row are possible.
Preferred selections for best availability are shown in **bold**.

Type	Coil version	A	B	C	D
4C.02	AC	0 - 5	0	6	0
4C.P2	DC	0 - 5	0	5	0
4C.01	AC	0 - 4 - 5	0	6	0
4C.P1	DC	0 - 4 - 5	0	5	0

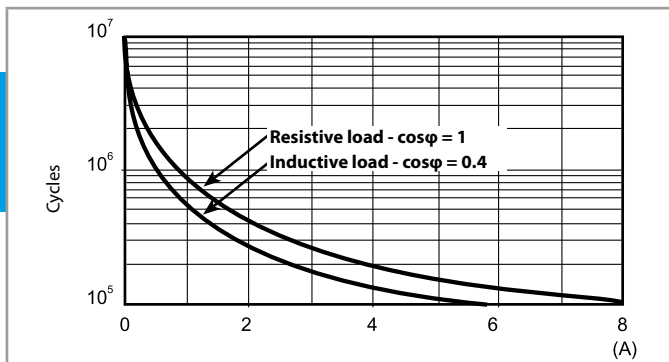
Technical data

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/P1)	1/4 (4C.02/P2)		
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/P1)	2 (4C.02/P2)		
Terminals			4C.01/4C.02	4C.P1/4C.P2		
Wire strip length		mm	8	8		
 Screw torque		Nm	0.8	—		
Max. wire size			solid cable	stranded cable	solid cable	stranded cable
		mm²	1 x 6 / 2 x 2.5	1 x 4 / 2 x 2.5	2 x (0.5...1.5)	2 x (0.5...1.5)
		AWG	1 x 10 / 2 x 14	1 x 12 / 2 x 14	2 x (21...18)	2 x (21...18)

Contact specification

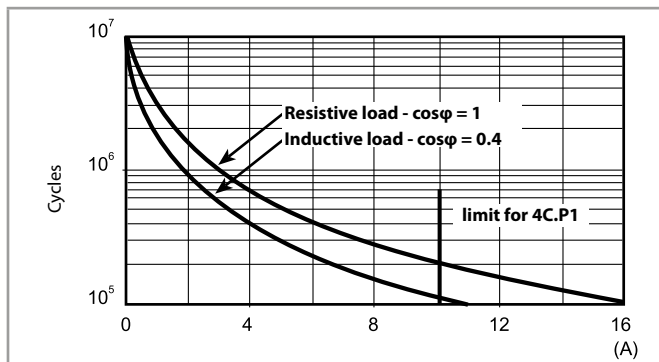
F 4C - Electrical life (AC) v contact current

Types 4C.02/P2

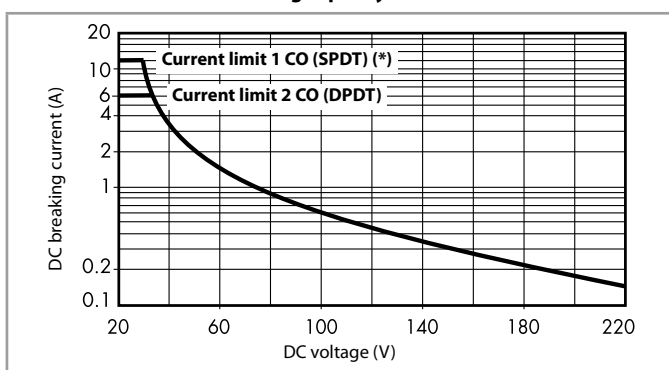


F 4C - Electrical life (AC) v contact current

Types 4C.01/P1



H 4C - Maximum DC1 breaking capacity



(*) Type 4C.01 = 12 A, Type 4C.P1 = 10 A

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

Coil specifications

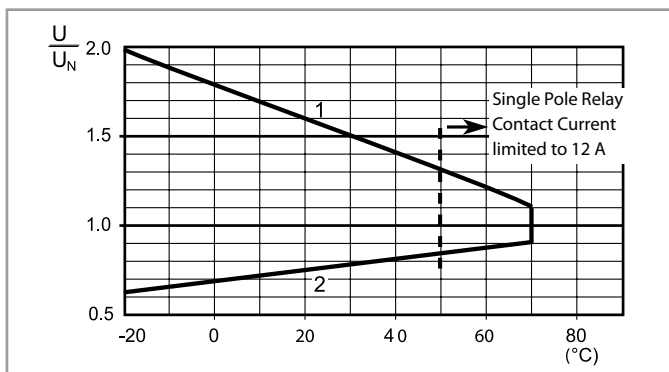
DC coil data

Nominal voltage	Coil code	Operating range		Resistance	Rated coil consumption
U_N		U_{min}	U_{max}	R	I at U_N
V		V	V	Ω	mA
12	9.012	8.8	13.2	300	40
24	9.024	17.5	26.4	1200	20
125	9.125	91.2	138	32000	3.9

AC coil data

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

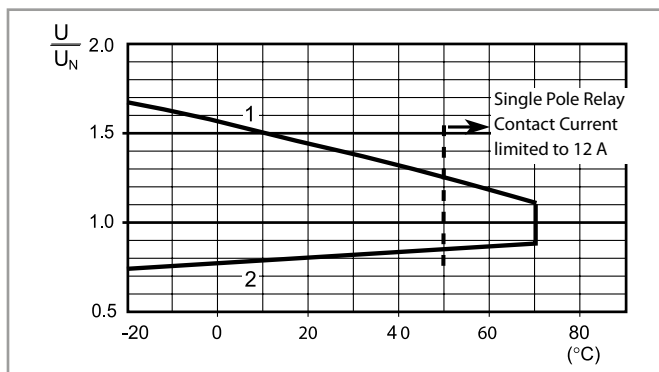
R 4C - DC coil operating range v ambient temperature



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

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

R 4C - AC coil operating range v ambient temperature



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