

Ordering information

Example: 48 series, 35 mm rail (EN 50022) mount relay interface module, 2 CO (DPDT) 8 A contacts, 24 V sensitive DC coil, green LED + diode.

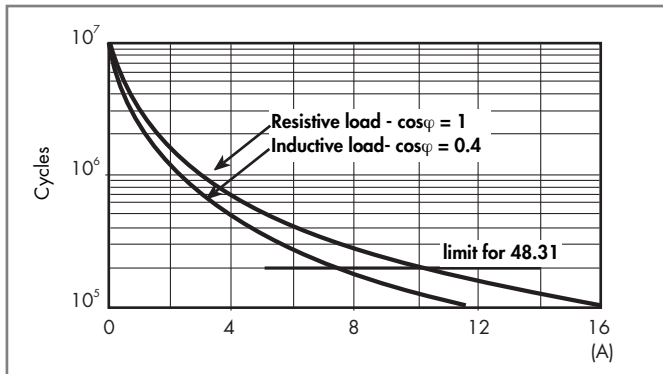
4	8	5	2	7	0	2	4	A	B	C	D
Series					A: Contact material		B: Contact circuit		C: Options		D: Special versions
3 = 35 mm rail mount 5 = 35 mm rail mount 6 = 35 mm rail mount					0 = Standard		0 = CO (nPDT)		5 = Standard for DC: green LED + diode (polarity +A1) 6 = Standard for AC: green LED + Varistor		0 = Standard
No. of poles											
1 = 1 pole for 48.31, 10 A 48.61, 16 A 2 = 2 pole for 48.52, 8 A 48.62, 10 A, DC only											
Coil version											
7 = Sensitive DC 8 = AC (50/60 Hz)											
Coil voltage											
see coil specifications											

Technical data

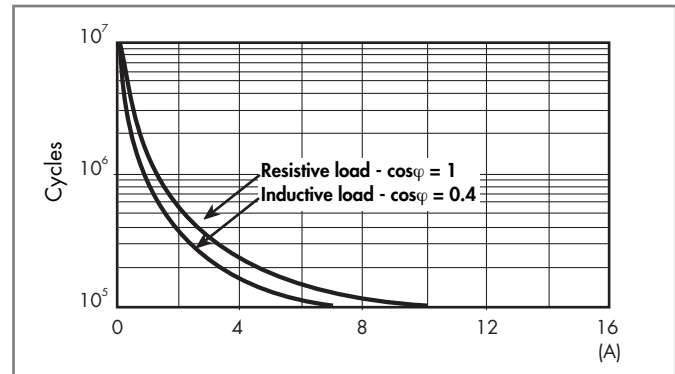
Insulation		48.31/61/62	48.52	48.31/52/61/62	
Insulation according to EN 61810-1 ed. 2	insulation rated voltage	V	250	250	400
	rated impulse withstand voltage	kV	4	4	4
	pollution degree		3	2	2
	overvoltage category		III	III	III
Insulation between coil and contacts (1.2/50 μs)		kV	6 (8 mm)		
Dielectric strength between open contacts		V AC	1,000		
Dielectric strength between adjacent contacts		V AC	2,000 (48.52); 2,500 (48.62)		
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	2/5		
Vibration resistance (5...55)Hz, max. ± 1 mm: NO/NC		g/g	10/4 (for 1 pole)		15/3 (for 2 pole)
Power lost to the environment	without contact current	W	0.7		
	with rated current	W	1.2 (48.31)	1.3 (48.52)	1.2 (48.61) 1.2 (48.62)
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

Contact specification

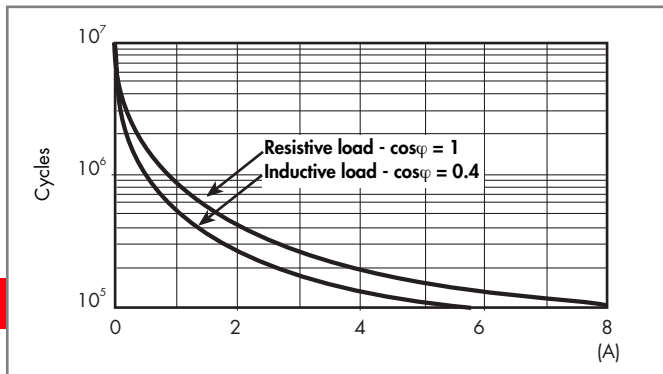
F 48 - Electrical life (AC) v contact current
Types 48.31/61



F 48 - Electrical life (AC) v contact current
Type 48.62

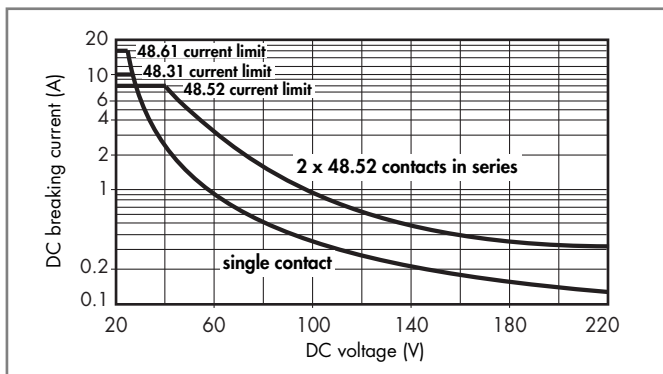


F 48 - Electrical life (AC) v contact current
Types 48.52

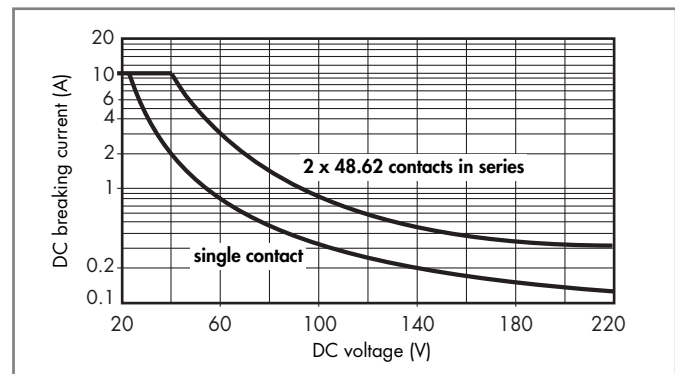


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H 48 - Maximum DC1 breaking capacity
Types 48.31/52/61



H 48 - Maximum DC1 breaking capacity
Type 48.62



- 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.

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