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.

48	.	5	2	.	7	.	0 2 4	.	A: 0	B: 0	C: 5	D: 0

Series

Type
3 = 35 mm rail mount
5 = 35 mm rail mount
6 = 35 mm rail mount

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

A: Contact material
0 = Standard

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

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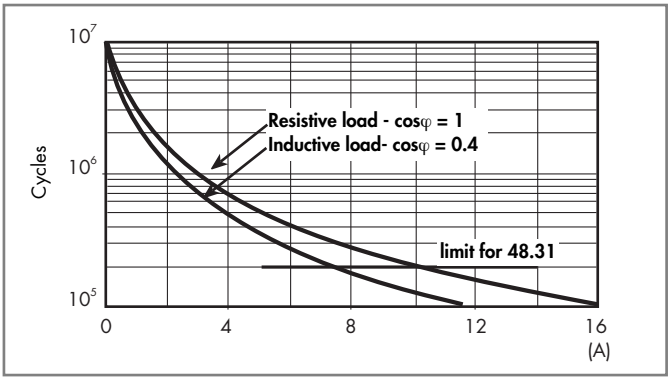
Technical data

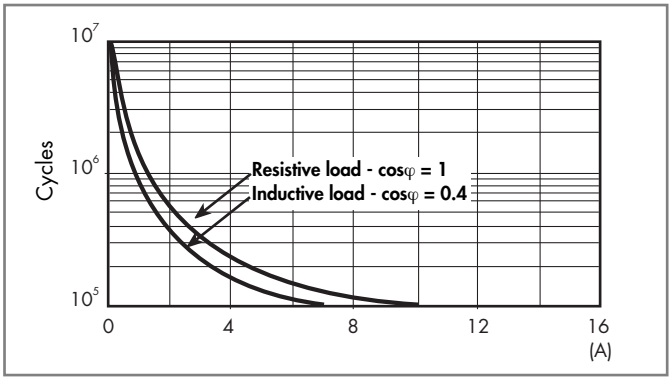
Insulation			**48.31/61/62**	**48.52**	**48.31/52/61/62**	
Insulation according to EN 61810-1 ed. 2	insulation rated voltage	V	250	250	400	
	rated impulse withstand voltage	kV	4	4	4	
	pollution degree		3	2	2	
	overvoltage category		III	III	III	
Insulation between coil and contacts (1.2/50 µs)		kV	6 (8 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

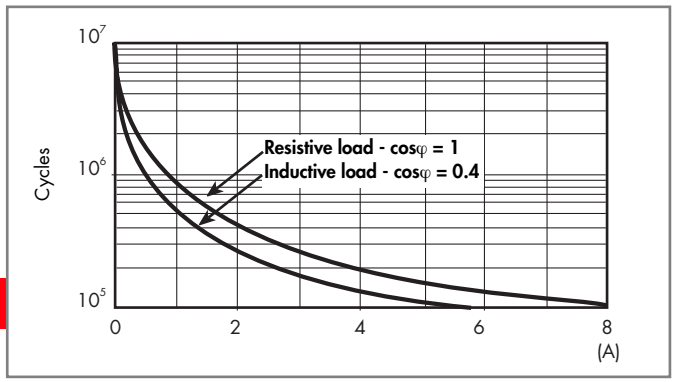
F 48 - Electrical life (AC) v contact current
Types 48.31/61



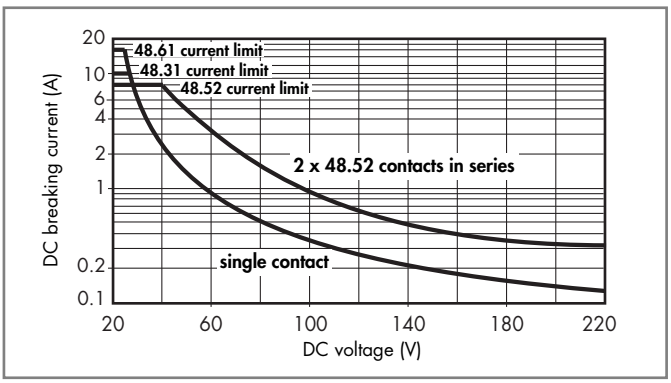
F 48 - Electrical life (AC) v contact current
Type 48.62



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

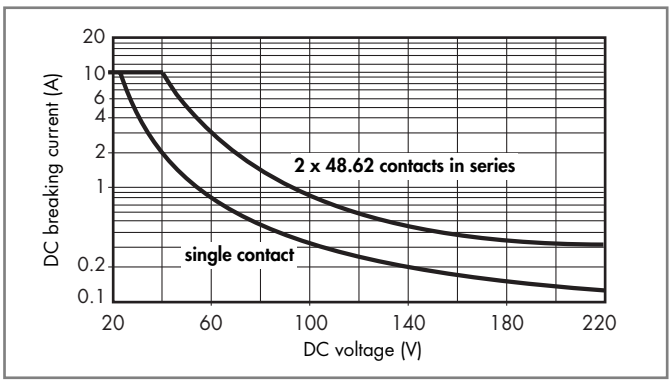


H 48 - Maximum DC1 breaking capacity
Types 48.31/52/61



- When switching a resistive load (DC1) having voltage and current values under the curve, an electrical life of ≥ 100·10³ 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.

H 48 - Maximum DC1 breaking capacity
Type 48.62



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