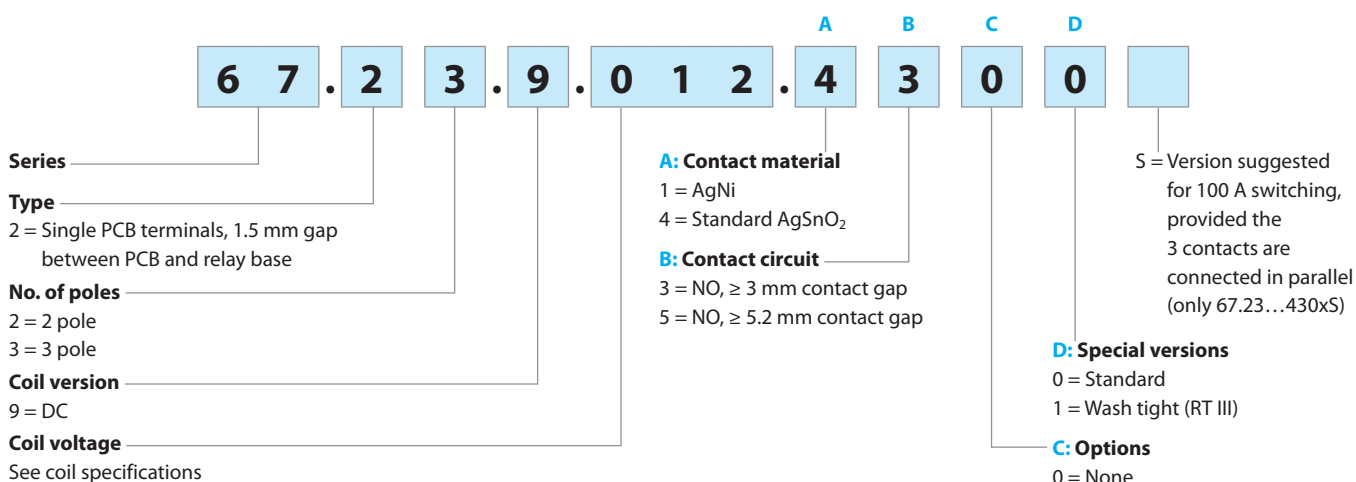


Ordering information

Example: 67 series solar relay, single PCB terminals, 2 pole NO, ≥ 3 mm contact gap.



Technical data

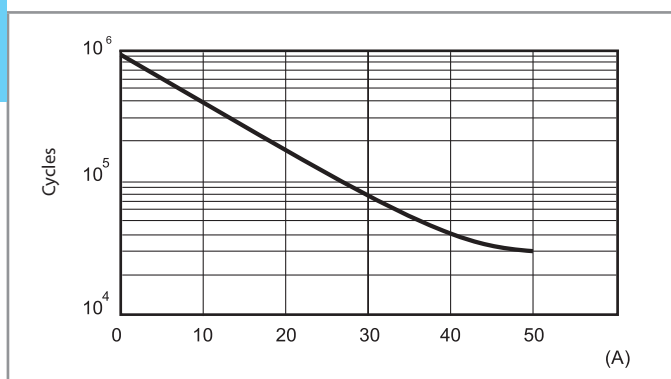
Insulation according to EN 61810-1					
Nominal voltage of supply system		V AC	400/690 3-phase	400 1-phase	230/400
Rated insulation voltage		V AC	630	400	400
Pollution degree			3		
Insulation between coil and contact set					
Type of Insulation			Reinforced		
Overvoltage category			III		
Rated impulse voltage		kV (1.2/50 μs)	6		
Dielectric strength		V AC	4000		
Insulation between adjacent contacts					
Type of Insulation			Basic		
Overvoltage category			III		
Rated impulse voltage		kV (1.2/50)μs	6		
Dielectric strength		V AC	2500		
Insulation between open contacts					
Type of disconnection			Micro-disconnection*		Full-disconnection
Overvoltage category			—		III
Rated impulse voltage		kV (1.2/50)μs	—		4
Dielectric strength		V AC	2500 (67.xx-x300)/3000 (67.xx-x500)		
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 4 (4 kV)
Other data					
Bounce time: NO		ms	2		
Vibration resistance (10...150)Hz: NO		g	15		
Shock resistance		g	35		
Power lost to the environment	without contact current	W	1.7 (67.xx-x300)/2.7 (67.xx-x500)		
	with rated current	W	8.5 (67.xx-x300)/9.5 (67.xx-x500)		
Recommended distance between relays mounted on PCB		mm	≥ 20		
Short circuit protection					
Rated conditional short circuit current		kA	5		
Back-up fuse for motor load		A	30 (delayed type)		

* with overvoltage category II: Full-disconnection

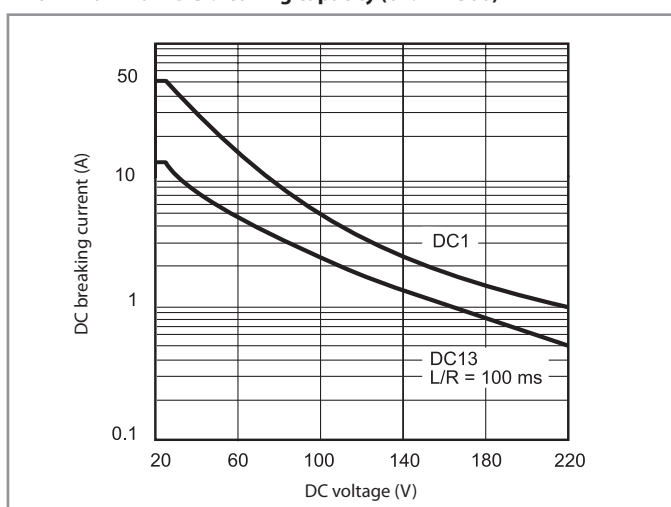
Contact specification

F 67 - Electrical life vs contact current (AC1/AC7a load)

A

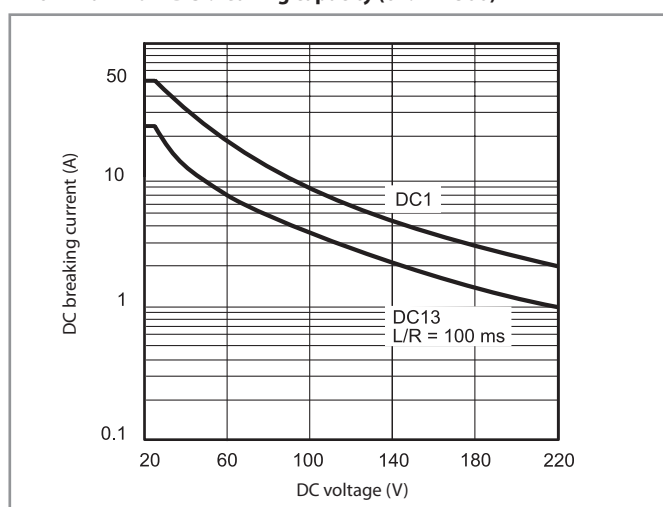


H 67 - Maximum DC breaking capacity (67.xx-x300)



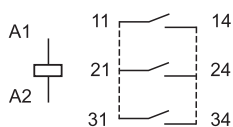
When switching a resistive (DC1) or inductive (DC13) load having voltage and current values under the corresponding curve, an electrical life of > 30000 cycles can be expected.

H 67 - Maximum DC breaking capacity (67.xx-x500)



When switching a resistive (DC1) or inductive (DC13) load having voltage and current values under the corresponding curve, an electrical life of > 30000 cycles can be expected.

Connection of contacts in parallel



Connecting in parallel the contacts, with appropriate dimensioning of tracks on PC board, allow the relays to carry and switch loads up to 100 A:

- 100 A, with 67.23...4300S version
- 80 A, with 67.23...1300 version