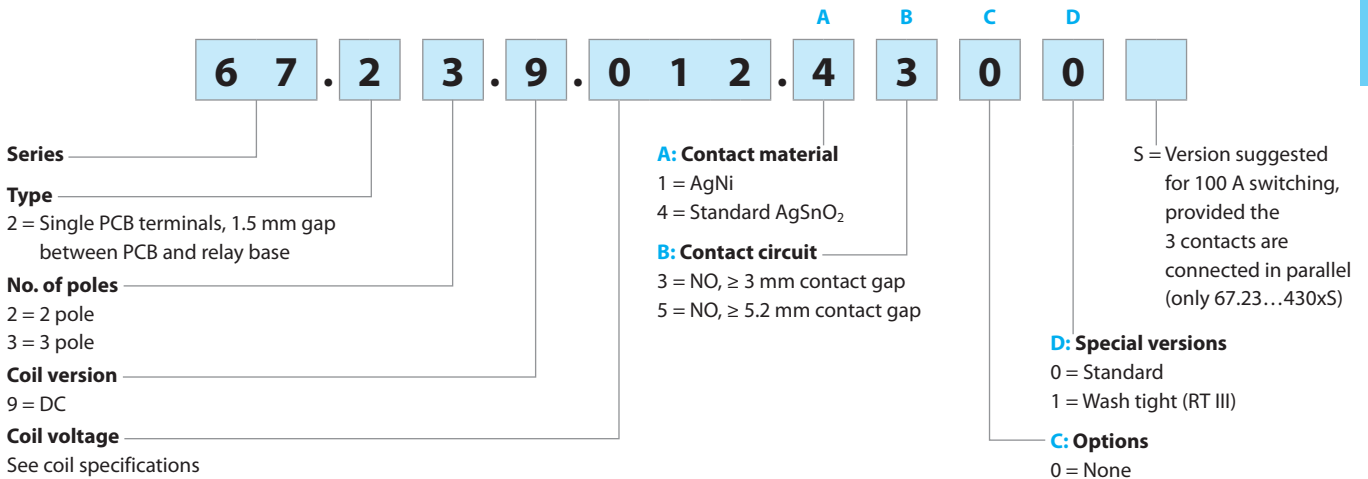


Ordering information

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



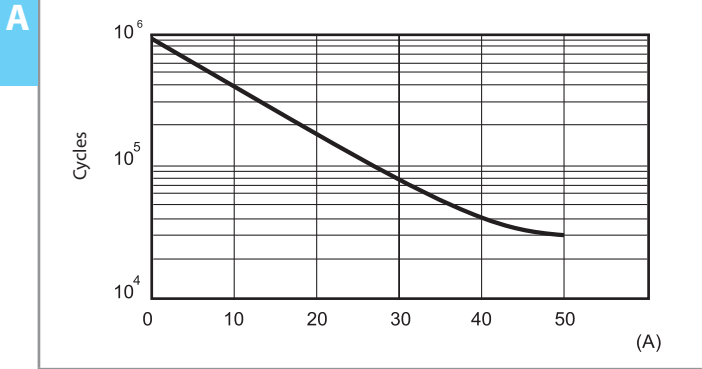
Technical data

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)		

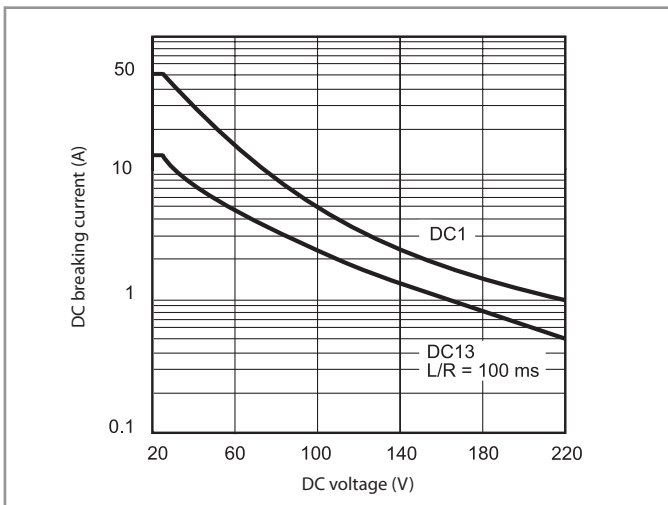
* with overvoltage category II: Full-disconnection

Contact specification

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

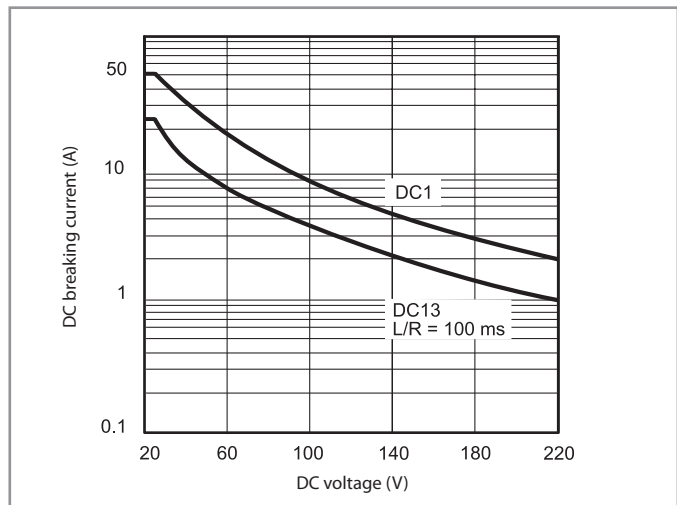


H 67 - Maximum DC breaking capacity (67.xx-x300)



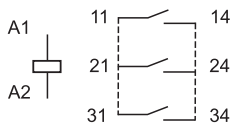
When switching a resistive (DC1) or inductive (DC13) load having voltage and current values under the corresponding curve, an electrical life of > 30000 cycles can be expected.

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