



Power rating of relay contacts

contact type	no contact	nc contact	no contact	nc contact	no contact	nc contact
rated current	16A	16A	10A	10A	6A	6A
contact material	AgSnO ₂					
contact gap	0,5mm					
min. switching voltage / switching current	5V / 10mA				12V / 500mA	
max. switching voltage	250V~					
max. inrush current (1ms)	50A		30A		18A	
max. inrush current (5s)	25A		14A		8A	
max. switched power 230V~ resistive load	3500W		2000W		1300W	
max. switched power 230V~ incandescent lamps	1000W		600W		500W	
max. switched power 230V~ fluorescent lamps (#1)	250VA		140VA		90VA	
max. switched power 230V~ electronic ballast / transformer (#1)	250VA		140VA		90VA	
max. switched power 230V~ electronic ballast with EBN 2 (#1)	1000VA		600VA		400VA	
max. switched power 230V~ inductive load (cos φ = 0,6)	650VA		370VA		220VA	
max. capacitive load	25uF		15uF		10uF	
max. switched power DC (#2)	350W		250W		150W	
durability (switching cycles - mechanical)	10 ⁷					
durability (switching cycles - electrical)	10 ⁵					
max. switching frequency	900/h		900/h		360/h	

#1 when switching capacitive loads (electronic transformers, electronic ballasts, fluorescent lamps, energy saving lamps etc.) it is necessary to use an inrush current limiter (EBN 2 or EBN U2) if the switched capacitance exceeds the max. rated value for the contact!

#2 spark suppression is needed when switching inductive loads with DC voltage (e.g. flyback diode or varistor)

Typical diagrams for the 16A normally open contact:

