

IEC Technical data

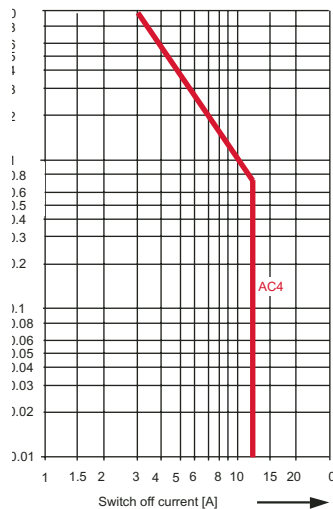
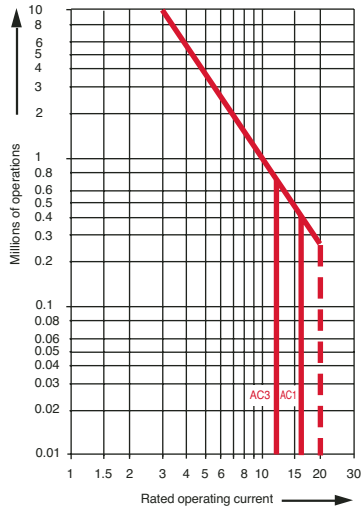
B7 contactors

Magnetic coils

Miniature controls

4

Endurance curves – B 7, BC 7, B 7S



B7 contactors

Rated insulating voltage	V_i	500				
Permissible ambient temperature	°C	- 25 ... + 55				
Contactor without relay	°C	- 25 ... + 50				
Contactor with relay	°C	- 40 ... + 80				
Storage temperature	°C	- 40 ... + 80				
Climatic resistance	acc. to DIN 50 017 acc. to UTE C 63-100	alternating climate proof 30 cycles, version 1				
Mounting position		optional				
Mechanical endurance	10 million operations					
Max. switching frequency	AC 1 cyc./h AC 2/AC 3 cyc./h	300 600				
Rated operating voltage V_e	VAC	12 to 500				
Rated operating current I_e /AC 1, AC 3		AC 1/ I_e A		AC 2, AC 3		
Rated operating power		55 °C	40 °C	I_e A	P kW	
	220/240 V	16	20	12/11	3	
	380/440 V	16	20	12/11	5.5	
	500 V	12	12	7	4	
Switching times		B7	BC7			
Closing delay	NO	20 to 26				
Opening delay		16 to 20	4 to 6			
Closing delay	NC	16 to 20				
Opening delay		14 to 18	4 to 6			
Shock resistance B6, B7 standard mounting position		1/2 sinusoidal shock, 10 ms: no change in contact position				
		A	B1	B2	C1	C2
	shock directions contactor switched on	20 g	20 g	20 g	20 g	20 g
	contactor switched off	10 g	20 g	20 g	20 g	20 g

Magnetic Coils

Coil voltage range	0.8...1.1x U_c					
Rated power of magnetic coils	closing /holding					
Basic contactors						
B7 / VB7	AC	VA	3.5			
BC7 / VBC7	DC	W	3.5			
Interface contactors						
BC7-1.4	DC	+ 24 V	W	1.4		
BC7-2.4	DC	+17 ... 32 V	W	2.4		
Mini contactor for connection to PLC's			cold	warm		
			I (mA)	P (W)	I (mA)	P (W)
B7 S-1.7	DC	+ 24 V	77	1.75	60	1.35
B7 S-2.8	DC	+17 ... 32 V	125	2.80	94	2.10