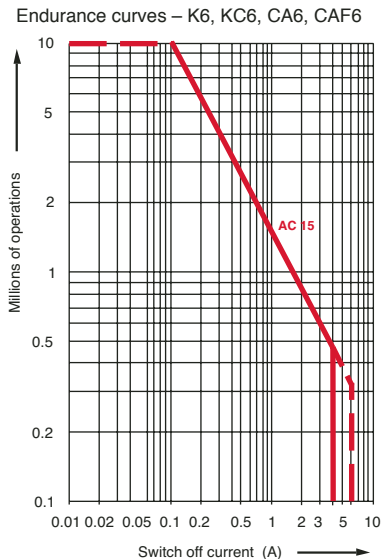
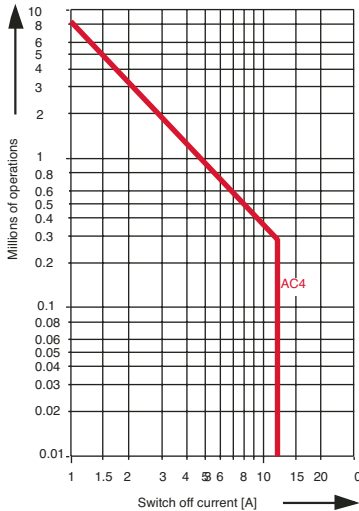
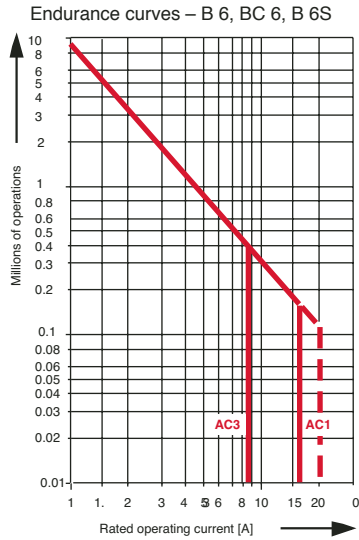


IEC Technical data

B6 Contactors & K6 control relays

Auxiliary contacts & magnetic coils

4



B6 contactors & K6 control relays

Rated insulating voltage	V_i	500			
Permissible ambient temperature					
Contactor without relay	°C	– 25 ... + 55			
Contactor with relay	°C	– 25 ... + 50			
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	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 380/440 V 500 V	16 16 12	20 20 12	9 9/8 5.5	2.2 4.0 3.0
Switching times		B6	BC6	K6	KC6
Closing delay	NO ms	20 to 26		20 to 26	
Opening delay	NO ms	16 to 20	4 to 6	16 to 20	4 to 6
Closing delay	NC ms	16 to 20	4 to 6	16 to 20	4 to 6
Opening delay	NC ms	14 to 18		14 to 18	

Auxiliary Contacts and Magnetic Coils

Rated operating voltage	V_e	VDC VAC	12 to 240 12 to 500	
Conventional rated thermal current	I_{th}	A	6	
Rated operating current	I_e /AC 15 at V_e			
	220/240 V	A	4	
	380/440 V	A	3	
	500 V	A	2	
Rated operating current	I_e /DC 13 at V_e			
	24 V	A	2.5	
	60 V	A	1.2	
	110 V	A	0.7	
	220/240 V	A	0.4	
Rated power of magnetic coils				
Basic contactors			closing /holding	
B6 / K6, VB6	AC	VA	3.5	
BC6 / KC 6, VBC6	DC	W	3.5	
Interface contactors				
BC6 / KC6-1.4	DC	• 24 • V W	1.4	
BC6 / KC6-2.4	DC	17 ... 32 V W	2.4	
Mini contactor for connection to PLC's				
			cold	warm
			I mA	P W
B6 S-1.7	DC	+ 24 + V W	77	1.75
B6 S-2.8	DC	+17 ... 32 +V W	125	2.80
Coil voltage range			0.8 ... 1.1x V_e	