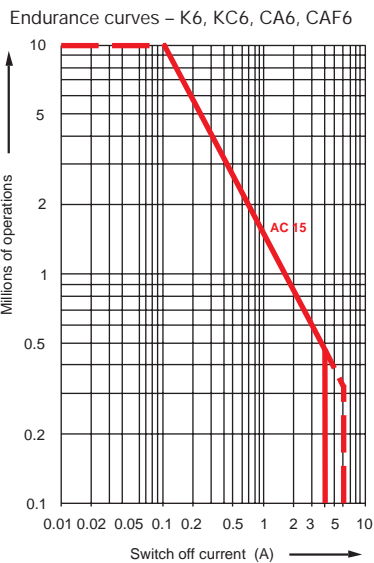
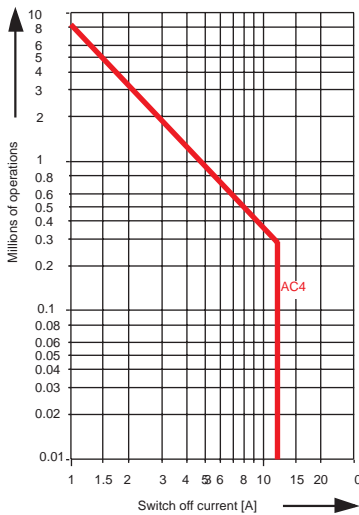
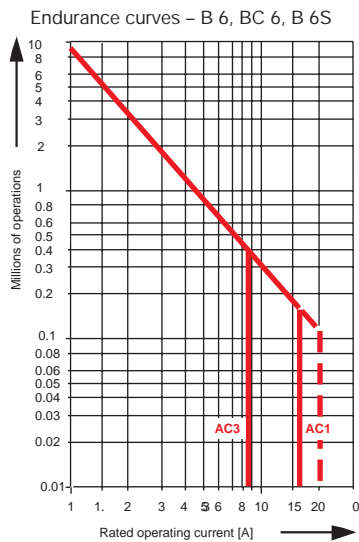


IEC Technical data

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	V AC	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	9	2.2
	380/440 V	16	20	9/8	4.0
	500 V	12	12	5.5	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	I mA	P W
B6 S-1.7	DC + 24 + V W	77	1.75	60	1.35
B6 S-2.8	DC + 17 ... 32 + V W	125	2.80	94	2.10
Coil voltage range		0.8 ... 1.1x V_c			