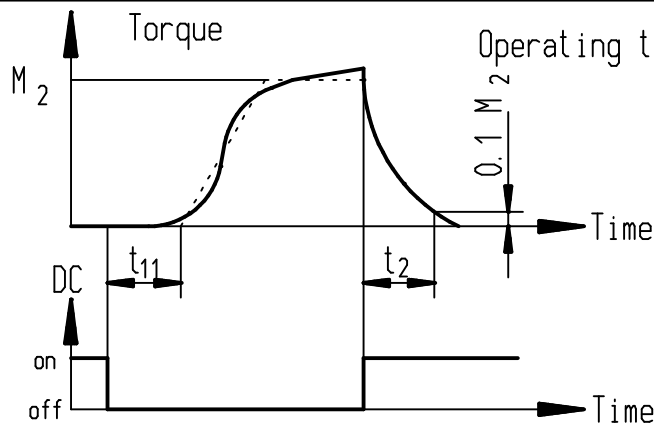


Operating times series SFB



Operating time definitions acc. to DIN VDE 0580^{10.94}

t_{11} = Operate delay

The operate delay is the time from current disconnection (with open system) up to the start of brake torque increase.

t_2 = Separate time

The separate time is the time from current connection (with open system) up to reaching 10% of the rated torque M_2 .

Operating time Brake	Operate delay time t_{11}				Separate time t_2					
	110V DC ms	60V DC ms	BS 5 R 45V AC ms	BS 5 R 67V AC ms	NE DC ms	SE 2:1 DC ms	SE 3:1 DC ms	SS 2:1 DC ms	SS 3:1 DC ms	BS 5 R 367V AC ms
SFB 6.3	50	40		45	130	70	45	55	40	50
SFB 10	70	50		55	170	100	65	90	55	60
SFB 16	65	50		60	240	140	90	110	70	75
SFB 25	80	60		65	250	150	95	130	90	90
SFB 40	110	80		85	340	180	120	160	105	110
SFB 63	125	65		65	370	200	125	170	115	110
SFB 100	180	130		130	500	280	170	220	145	140
SFB 160	320	250		240	680	420	270	320	205	200
SFB 250	330	260		250	880	450	300	350	240	250
SFB 400	350	280		300	1100	580	390	460	330	350
SFB 630	400	290		340	1300	700	480	570	420	440
SFB 1000	290				2100	1100		900		

The operating times shown in the table are mean values and apply to operation on the d.c. side with initial air gap and cold (20°C) 110V DC coil. Type of rectification, air gap variation and temperature increases affect the specified values. A varistor was used as coil protection.

NE = Normal excitation with rated voltage.

SS 2:1= High-speed operation with twice the rated voltage with subsequent switching to rated or holding voltage after maximum 1 sec.

SE 2:1= High-speed excitation with twice the rated voltage via a series resistance that is equal to the coil resistance of the brake.

SS 3:1= High-speed operation with three times the rated voltage with subsequent switching to rated or holding voltage after maximum 1 sec.

SE 3:1= High-speed excitation with three times the rated voltage via a series resistance that is twice as high as the coil resistance of the brake.

BS 5 R= Brake module 000 677 700-249 with auto-transformer 060 611 642-000. The operating times shown in this column were determined with the circuit arrangement 000 677 700-954.

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Datum	12.11.2003	12.11.2003		DIN: A4	
Name	Thonen	Vajic			A00 684 900-959
Änderung					
Datum					
Name					