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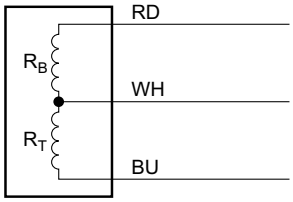
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15.6 Brake coil resistance

15.6.1 BMG02 / BR03

Voltage V_N		BMG02		BR03	
AC V	DC V	R_B	R_T	R_B	R_T
	24	8.46	24.2	6.0	18.0
24 (23-26)	**10**			0.95	2.8
42 (40-45)	**18**			3.0	8.9
60 (57-63)	**24**			6.0	18.0
110 (99-110)	**44**			19.0	56.5
120 (111-123)	**48**			23.9	71.2
133 (124-138)	**54**			30.1	89.6
208 (194-217)	**85**			75.6	225
230 (218-243)	**96**	121	345	95.2	283
254 (244-273)	**110**			120	357
290 (274-306)	**125**			151	449
318 (307-343)	**140**			190	565
360 (344-379)	**150**			239	712
400 (380-431)	**170**	374	1070	301	896
460 (432-484)	**190**	576	1650	379	1128



R_B Accelerator coil resistance at 20°C in Ω
R_T Coil section resistance at 20°C in Ω
V_N Rated voltage (rated voltage range)
RD Red
WH White
BU Blue

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15.6.2 BE05, BE1, BE2 brake

Rated voltage V_N		BE05/1		BE2	
AC V	DC V	R_B	R_T	R_B	R_T
24 (23-26)	**10**	0.78	2.35	0.57	1.74
60 (57-63)	**24**	4.9	14.9	3.60	11.0
120 (111-123)	**48**	19.6	59.0	14.4	44.0
184 (174-193)	**80**	49.0	149	36.0	110
208 (194-217)	**90**	61.0	187	45.5	139
230 (218-243)	**96**	78.0	235	58.0	174
254 (244-273)	**110**	98.0	295	72.0	220
290 (274-306)	**125**	124	375	91	275
330 (307-343)	**140**	156	470	115	350
360 (344-379)	**160**	196	590	144	440
400 (380-431)	**180**	245	750	182	550
460 (432-484)	**200**	310	940	230	690
500 (485-542)	**220**	390	1180	290	870
575 (543-600)	**250**	490	1490	365	1100

15.6.3 BE5, BE11, BE20 brake

Rated voltage V_N		BE5		BE11		BE20	
AC V	DC V	R_B	R_T	R_B	R_T	R_B	R_T
60 (57-63)	**24**	2.20	10.5	1.22	6.9	0.85	5.7
120 (111-123)	**–**	8.70	42.0	4.90	27.5	3.4	22.5
184 (174-193)	**–**	22.0	105	12.3	69.0	8.5	57.0
208 (194-217)	**–**	27.5	132	15.5	87.0	10.7	72.0
230 (218-243)	**–**	34.5	166	19.5	110.0	13.5	91.0
254 (244-273)	**–**	43.5	210	24.5	138.0	17.0	114.0
290 (274-306)	**–**	55.0	265	31.0	174.0	21.5	144.0
330 (307-343)	**–**	69.0	330	39.0	220.0	27.0	181.0
360 (344-379)	**–**	87.0	420	49.0	275.0	31.5	190.0
400 (380-431)	**–**	110	530	62.0	345.0	34.0	230.0
460 (432-484)	**–**	138	660	78.0	435.0	54.0	360.0
500 (485-542)	**–**	174	830	98.0	550.0	68.0	455.0
575 (543-600)	**–**	220	1050	119.0	670.0	85.0	570.0

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15.6.4 BE30, BE32 brake

Rated voltage V_N		BE30 / BE32	
AC V	DC V	R_B	R_T
120 (111-123)	–	2.30	17.2
184 (174-193)	–	5.8	43.0
208 (194-217)	–	7.3	54.0
230 (218-243)	–	9.2	69.0
254 (244-273)	–	11.6	86.0
290 (274-306)	–	14.6	109
330 (307-343)	–	18.3	137
360 (344-379)	–	23.0	146
400 (380-431)	–	29.0	215
460 (432-484)	–	36.5	275
500 (485-542)	–	46.0	345
575 (543-600)	–	58.0	430

15.6.5 Brake BE60, BE62

Rated voltage V_N		BE60 / BE62	
AC V	DC V	R_B	R_T
230 (218-243)	–	5.0	41.0
254 (244-273)	–	6.3	52.0
290 (274-306)	–	5.6	64.0
360 (344-379)	–	12.6	101
400 (380-431)	–	15.8	128
460 (432-484)	–	19.9	163
500 (485-542)	–	25.5	205

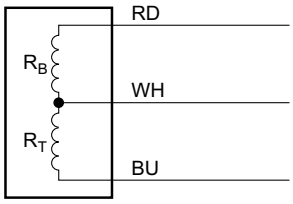
15.6.6 Brake BE120, BE122

Rated voltage V_N		BE120 / BE122	
AC V	DC V	R_B	R_T
230 (218-243)	–	7.6	29.5
254 (244-273)	–	9.5	37.0
290 (274-306)	–	12.0	46.5
330 (307-343)	–	15.2	58.7
360 (344-379)	–	19.1	74.0
400 (380-431)	–	24.0	93.0
460 (432-484)	–	30.0	117
500 (485-542)	–	38.0	147
575 (543-600)	–	48.0	185

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15.6.7 BMG05 / BMG1 / BMG2 / BMG4 brake

Voltage V_N		BMG05		BMG1		BMG2		BMG4	
AC V	DC V	R_B	R_T	R_B	R_T	R_B	R_T	R_B	R_T
	24	4.4	13.4	3.9	12.1	3.4	10.2	2.7	8.2
24 (23-25)	**10**	0.70	2.14	0.63	1.88	-	-	-	-
42 (40-46)	**18**	2.8	8.5	2.5	7.6	2.1	6.5	1.7	5.2
48 (47-52)	**20**	3.5	10.7	3.1	9.6	2.7	8.1	2.2	6.5
56 (53-58)	**24**	4.4	13.4	3.9	12.1	3.4	10.2	2.7	8.2
110 (105-116)	**48**	17.6	53.4	15.6	48.1	13.6	40.5	10.9	32.7
125 (117-131)	**52**	22.1	67.2	19.7	60.6	17.1	51.0	13.7	41.1
139 (132-147)	**60**	27.9	84.6	24.8	76.2	21.5	64.3	16.9	51.8
175 (165-185)	**72**	44.2	134	39.3	121	34.1	102	27.4	82.0
200 (186-207)	**80**	55.6	169	49.5	152	42.9	128	34.5	103
230 (208-233)	**96**	70.0	213	62.3	192	54.0	161	43.4	130
240 (234-261)	**110**	88.1	268	78.4	241	68.0	203	54.6	164
290 (262-293)	**117**	111	337	98.7	304	85.6	256	68.8	206
318 (294-329)	**125**	140	424	124	382	108	322	86.6	259
346 (330-369)	**147**	176	534	157	481	136	405	109	327
400 (370- 414)	**167**	221	672	197	608	171	510	137	411
440 (415-464)	**185**	279	846	248	762	215	643	173	518
500 (465-522)	**208**	351	1066	312	960	271	809	218	652
575 (523-585)	**233**	442	1341	393	1208	341	1018	274	820

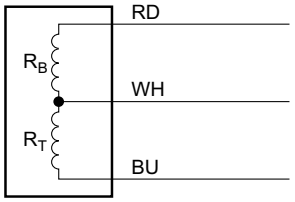


R_B Accelerator coil resistance at 20°C in Ω
R_T Coil section resistance at 20°C in Ω
V_N Rated voltage (rated voltage range)
RD Red
WH White
BU Blue

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15.6.8 BMG8 / BM15 / BM30 / 31 / 32 / 62 brake

Voltage V_N		BMG8		BM15		BM30 / 31 / 32 / 62	
AC V	DC V	R_B	R_T	R_B	R_T	R_B	R_T
	24	1.4	7.5	0.8	5.0	0.67	5.0
42 (40-46)		0.90	4.7	0.5	3.2	-	-
48 (47-52)		1.1	5.9	0.6	4.0	-	-
56 (53-58)		1.4	7.5	0.8	5.0	0.6	4.2
110 (105-116)		5.7	29.8	3.1	20.1	2.2	16.8
125 (117-131)		7.1	37.5	3.9	25.3	2.8	21.1
139 (132-147)		9.0	47.2	4.9	31.8	3.5	26.6
175 (165-185)		14.2	74.8	7.8	50.5	5.6	42.1
200 (186-207)		17.9	94.2	9.8	63.5	7.1	53.0
230 (208-233)		22.5	119	12.4	80.0	8.9	66.7
240 (234-261)		28.3	149	15.6	101	11.2	84.0
290 (262-293)		35.7	188	19.6	127	14.1	106
318 (294-329)		44.9	237	24.7	160	17.8	133
346 (330-369)		56.5	298	31.1	201	22.3	168
400 (370-414)		71.2	375	39.2	253	28.1	211
440 (415-464)		89.6	472	49.3	318	35.4	266
500 (465-522)		113	594	62.1	401	44.6	334
575 (523-585)		142	748	78.2	505	56.1	421

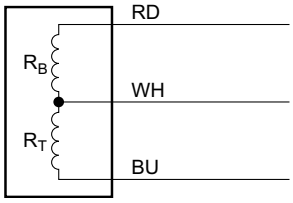


R_B Accelerator coil resistance at 20°C in Ω
R_T Coil section resistance at 20°C in Ω
V_N Rated voltage (rated voltage range)
RD Red
WH White
BU Blue

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15.6.9 BMG61 / 122 brake

Voltage V_N	BMG61 / 122	
AC V	R_B	R_T
208 (194-217)	4.0	32.6
230 (218-243)	5.0	41.0
254 (244-273)	6.3	51.6
290 (274-306)	7.9	65
318 (307-343)	10.0	81.8
360 (344-379)	12.6	103
400 (380-431)	15.8	130
460 (432-484)	19.9	163
500 (485-542)	25.1	205
575 (543-600)	31.6	259

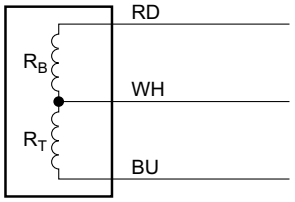


R_B Accelerator coil resistance at 20°C in Ω
R_T Coil section resistance at 20°C in Ω
V_N Rated voltage (rated voltage range)
RD Red
WH White
BU Blue

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15.6.10 BR1 / BR2 / BR8 brake

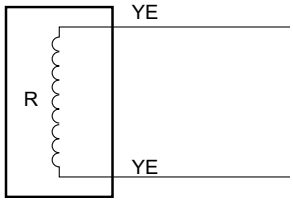
Voltage V_N		BR1		BR2		BR8	
AC V	DC V	R_B	R_T	R_B	R_T	R_B	R_T
	24	3.7	11.2	3.3	9.8	1.49	7.6
110 (98-110)		11.8	35.4	10.5	31	4.7	24.1
230 (217-242)		59.2	178	52.6	156	23.5	121
400 (385-431)		187	561	158	469	73.1	375
460 (432-484)		236	707	199	590	90.3	463



R_B Accelerator coil resistance at 20°C in Ω
R_T Coil section resistance at 20°C in Ω
V_N Rated voltage (rated voltage range)
RD Red
WH White
BU Blue

15.6.11 BP01 – BP5 brake

Voltage V_N	BP01	BP04	BP09	BP1	BP3	BP5
DC V	R	R	R	R	R	R
24	84	56.5	35	29.4	20.5	17.3

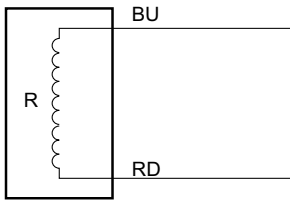


R Resistance at 20°C in Ω
V_N Rated voltage
YE Yellow

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15.6.12 B.. brake

Voltage V_N DC V	DFS56M/L R	DFS56H R
24	53.2	43.1



R Resistance at 20°C in Ω
V_N Rated voltage
BU Blue
RD Red

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