

Type EHDB 220 to 960 Amps



2 & 3 pole – 600 volt N.O. ratings with 300 volt N.C. dynamic braking rating

Thermal amp rating 600 volts	Maximum amp rating N.C. contact		Auxiliary contacts included		2 pole (2 N.O.)		3 pole (2 N.O. & 1 N.C.)	
	Make 300 VDC	Break 160 VDC	N.O.	N.C.	Catalog number		Catalog number	
220	450	285	1	1	EHDB220C2P-1L		EHDB220C-1L	
280	565	363	1	1	EHDB280C2P-1L		EHDB280C-1L	
380	728	472	1	1	EHDB360C2P-1L		EHDB360C-1L	
520	1040	680	1	1	EHDB520C2P-1L		EHDB520C-1L	
650	1300	850	1	1	EHDB650C2P-1L		EHDB650C-1L	
800	1600	1050	1	1	EHDB800C2P-1L		EHDB800C-1L	
960	1920	1250	1	1	EHDB960C2P-1L		EHDB960C-1L	

Description

EHDB drive contactors are specifically designed for use with solid state D.C. adjustable speed drive systems. In drive applications, the contactor is not required to make or break the load during normal operation. The N.C. contact is used for dynamic braking applications. EHDB contactors are provided less terminal lugs.

Coil voltage selection

All catalog numbers include a 120V coil. To select other coil voltages, substitute the code from the coil voltage selection chart for the first digit after the dash in the catalog number.

Coil voltage selection chart – EHDB contactors

		Volts														
		24	48	110	120	125	208	220	240	277	380	415	440	480	500	600
60	F	G		1		B	2	2	C				3	4		6
50	N		1				J			3	4				6	
DC	Y	W	P		Q		R									

NOTE: For other voltages, consult factory. • 24VAC coils are not available for sizes EHDB520 – EHDB960. • 48VAC coils are not available for sizes EHDB520 – EHDB960. For these 24V and 48V applications, use an interposing control relay. • 12VDC coils are not available for EHDB520 – EHDB960.

DC operated contactors

EHDB220 – EHDB960

DC and AC operated contactors have the same magnet structure except the DC coil includes a resistor and a normally closed late break auxiliary interlock. To order, substitute the code from the coil voltage selection chart and refer to the DC magnet coils chart for the price adder.

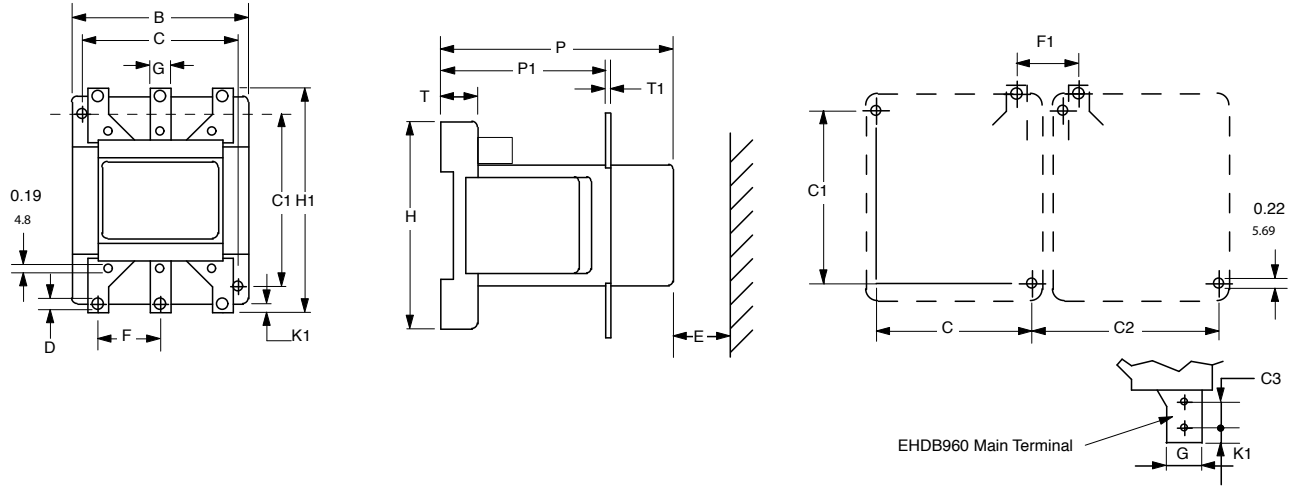
DC operated contactors are supplied with 2 N.O. & 1 N.C. auxiliary contacts. One additional 1 N.O. & 1 N.C. auxiliary contact block can be mounted on the left side of the contactor.

DC magnet coils (per contactor)

Contactor size
EHDB220 – EHDB280
EHDB360
EHDB520
EHDB650 – EHDB960

Approximate dimensions Type EHDB, 2 & 3 pole Mounting positions

EHDB220 – EHDB960



DIM.	B			C	C1	C2				E	D	F	G	H	H1	K1	P	P1	T	T1	C3	
	1, 2	3	4			①	②	③	④													
	Aux. contact block																					
EHDB220in	5.35	5.83	6.30	6.46	4.72	5.51	5.39	5.39	5.87	6.34	0.59	0.24	1.77	0.79	6.14	7.79	0.39	6.65	4.06	0.41	0.20	—
mm	136	148	160	164	120	140	137	137	149	161	15	6	45	20	156	198	10	169	103	10.5	5	—
EHDB280in	5.35	5.83	6.30	6.46	4.72	5.51	5.39	5.39	5.87	6.34	0.59	0.24	1.77	0.79	6.14	7.79	0.39	6.65	4.06	0.41	0.20	—
mm	136	148	160	164	120	140	137	137	149	161	15	6	45	20	156	198	10	169	103	10.5	5	—
EHDB360in	6.92	7.44	7.72	8.11	6.30	5.51	7.20	7.32	7.48	7.76	1.18	0.24	2.44	0.98	6.14	8.14	0.49	6.88	4.21	0.7	0.20	—
mm	176	189	196	206	160	140	183	186	190	197	30	6	62	25	156	207	12.5	175	107	19	5	—
EHDB520in	7.80	8.23	8.62	8.90	6.69	7.87	7.91	7.91	8.19	8.54	1.57	0.24	2.64	0.98	8.78	10.71	0.49	8.90	5.51	0.9	0.24	—
mm	198	209	219	226	170	200	201	201	208	217	40	6	67	25	223	272	12.5	226	140	23	6	—
EHDB650in	7.80	8.23	8.62	8.90	6.69	7.87	7.91	7.91	8.19	8.54	1.57	0.24	2.64	0.98	8.78	10.71	0.49	8.90	5.51	0.9	0.24	—
mm	198	209	219	226	170	200	201	201	208	217	40	6	67	25	223	272	12.5	226	140	23	6	—
EHDB800in	9.61	9.96	10.31	10.63	8.66	7.87	9.69	9.69	10.00	10.35	1.57	0.24	3.23	1.57	8.78	11.57	0.79	8.90	5.51	0.9	0.24	—
mm	244	253	262	270	220	200	246	246	254	263	40	6	82	40	223	294	20	226	140	23	6	—
EHDB960in	9.61	9.96	10.31	10.63	8.66	7.87	9.69	9.69	10.00	10.35	1.57	0.24	3.23	1.57	8.78	11.57	0.79	8.90	5.51	0.9	0.24	1.36
mm	244	253	262	270	220	200	246	246	254	263	40	6	82	40	223	294	20	226	140	23	6	34.5

- ① Minimum dimension
 - ② Makes distance F1 = F
 - ③ Includes space for three auxiliary contact blocks between the contactors.
 - ④ Includes space for four auxiliary contact blocks between the contactors.
 - ⑤ Damping elements are included.
- NOTE: Screw, nut and washer are included for terminal hardware.

Type DA & EHDB mounting positions

