

## Power Terminal Block

Refer to [Figure 1](#) for typical locations.

**Table A Power Terminal Block Specifications**

No.	Name	Frame	Description	Wire Size Range <sup>(1)</sup>		Torque			
				Maximum	Minimum	Maximum	Recommended		
❶	Power Terminal Block	0 & 1	Input power and motor connections	4.0 mm <sup>2</sup> (10 AWG)	0.5 mm <sup>2</sup> (22 AWG)	1.7 N-m (15 lb.-in.)	0.8 N-m (7 lb.-in.)		
		2	Input power and motor connections	10.0 mm <sup>2</sup> (6 AWG)	0.8 mm <sup>2</sup> (18 AWG)	1.7 N-m (15 lb.-in.)	1.4 N-m (12 lb.-in.)		
		3	Input power and motor connections	25.0 mm <sup>2</sup> (3 AWG)	2.5 mm <sup>2</sup> (14 AWG)	3.6 N-m (32 lb.-in.)	1.8 N-m (16 lb.-in.)		
			BR1, 2 terminals	10.0 mm <sup>2</sup> (6 AWG)	0.8 mm <sup>2</sup> (18 AWG)	1.7 N-m (15 lb.-in.)	1.4 N-m (12 lb.-in.)		
		4	Input power and motor connections	35.0 mm <sup>2</sup> (1/0 AWG)	10.0 mm <sup>2</sup> (8 AWG)	4.0 N-m (35 lb.-in.)	4.0 N-m (35 lb.-in.)		
		5 (75 HP)	Input power, BR1, 2, DC+, DC- and motor connections	50.0 mm <sup>2</sup> (1/0 AWG)	4.0 mm <sup>2</sup> (12 AWG)	See Note <sup>(2)</sup>			
			PE	50.0 mm <sup>2</sup> (1/0 AWG)	4.0 mm <sup>2</sup> (12 AWG)				
			5 (100 HP)	Input power, DC+, DC- and motor	70.0 mm <sup>2</sup> (2/0 AWG)			10.0 mm <sup>2</sup> (8 AWG)	
		BR1, 2, terminals		50.0 mm <sup>2</sup> (1/0 AWG)	4.0 mm <sup>2</sup> (12 AWG)				
		PE	50.0 mm <sup>2</sup> (1/0 AWG)	10.0 mm <sup>2</sup> (8 AWG)					
6	Input power, DC+, DC-, BR1, 2, PE, motor connections	120.0 mm <sup>2</sup> (4/0 AWG) <sup>(3)</sup>	2.5 mm <sup>2</sup> (14 AWG)	6.0 N-m (52 lb.-in.)	6.0 N-m (52 lb.-in.)				
❷	SHLD Terminal	0-6	Terminating point for wiring shields	—	—			1.6 N-m (14 lb.-in.)	1.6 N-m (14 lb.-in.)
❸	AUX Terminal Block	0-4	Auxiliary Control Voltage	1.5 mm <sup>2</sup> (16 AWG)	0.2 mm <sup>2</sup> (24 AWG)			—	—
		5-6	PS+, PS- <sup>(4)</sup>	4.0 mm <sup>2</sup> (12 AWG)	0.5 mm <sup>2</sup> (22 AWG)			0.6 N-m (5.3 lb.-in.)	0.6 N-m (5.3 lb.-in.)
❹	Fan Terminal Block (CB Only)	5-6	User Supplied Fan Voltage	4.0 mm <sup>2</sup> (12 AWG)	0.5 mm <sup>2</sup> (22 AWG)			0.6 N-m (5.3 lb.-in.)	0.6 N-m (5.3 lb.-in.)

<sup>(1)</sup> Maximum/minimum sizes that the terminal block will accept - these are not recommendations.

<sup>(2)</sup> Refer to the terminal block label inside the drive.

<sup>(3)</sup> If necessary, two wires can be connected in parallel to any of these terminals using two lugs.

<sup>(4)</sup> External control power: UL Installation-300V DC, ±10%, Non UL Installation-270-600V DC, ±10%  
0-3 Frame - 40 W, 165 mA, 5 Frame - 80 W, 90 mA.

Figure 1 Typical Power Terminal Block Location

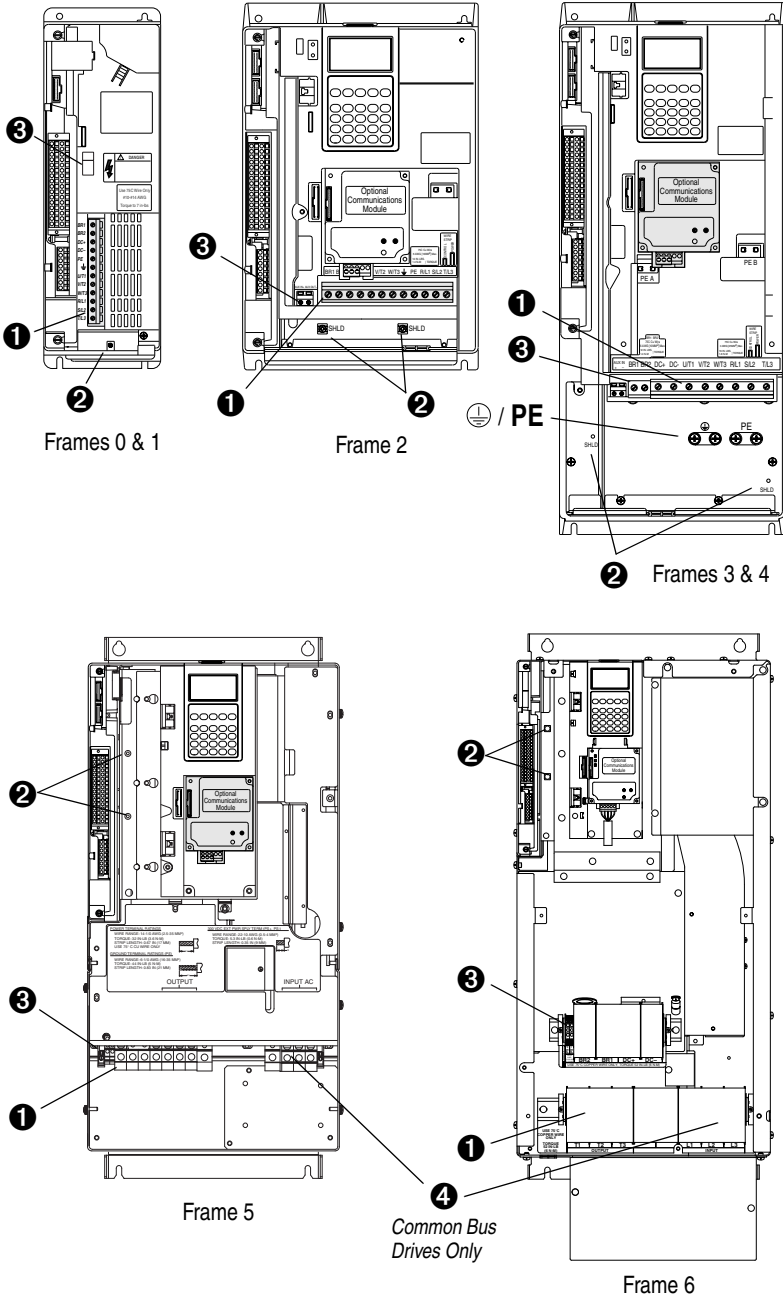
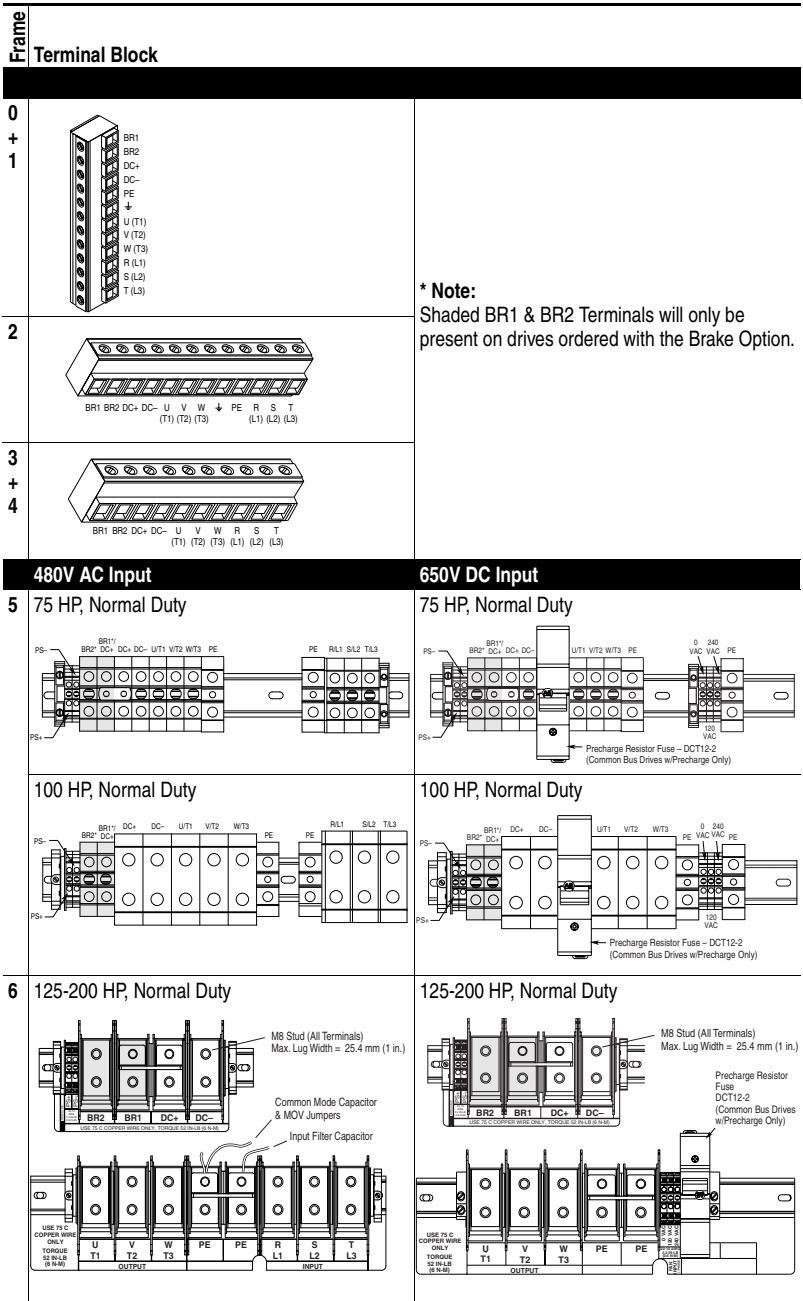



Figure 2 Power Terminal Block



Terminal	Description	Notes
BR1	DC Brake (+)	DB Resistor Connection - <b>Important:</b> Only one DB resistor can be used with Frames 0-3. Connecting an internal & external resistor could cause damage.
BR2	DC Brake (-)	
DC+	DC Bus (+)	
DC-	DC Bus (-)	
PE	PE Ground	Refer to <a href="#">Figure 1</a> for location on 3 Frame drives
	Motor Ground	Refer to <a href="#">Figure 1</a> for location on 3 Frame drives
U	U (T1)	To motor
V	V (T2)	To motor
W	W (T3)	To motor
R	R (L1)	AC Line Input Power Three-Phase = R, S & T Single-Phase = R & S Only
S	S (L2)	
T	T (L3)	
PS+	AUX (+)	Auxiliary Control Voltage (see <a href="#">Table A</a> )
PS-	AUX (-)	Auxiliary Control Voltage (see <a href="#">Table A</a> )