

## Drive's Power Connection Terminals

The following table provides specifications for the drive's power connection terminals.

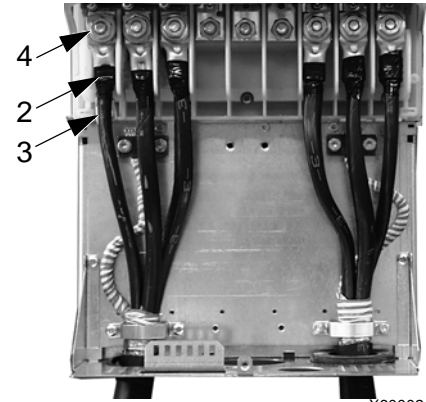
Frame Size	U1, V1, W1 U2, V2, W2 BRK $\pm$ , UDC $\pm$ Terminals						Earthing PE Terminal			
	Min. Wire Size		Max. Wire Size		Torque		Max. Wire Size		Torque	
	mm <sup>2</sup>	AWG	mm <sup>2</sup>	AWG	Nm	lb-ft	mm <sup>2</sup>	AWG	Nm	lb-ft
R1 <sup>Note 1</sup>	0.75	18	16	6	1.3	1	16	6	1.3	1
R2 <sup>Note 1</sup>	0.75	18	16	6	1.3	1	16	6	1.3	1
R3 <sup>Note 1</sup>	2.5	14	25	3	2.7	2	25	3	2.7	2
R4 <sup>Note 1</sup>	10	8	50	1/0	5.6	4	50	1/0	5.6	4
R5	16	6	70	2/0	15	11	70	2/0	15	11
R6	95 <sup>Note 2</sup>	3/0	185	350 MCM	40	30	185	350 MCM	40	30
R7	16	6	185	350 MCM	40	30	Attach appropriate ring lugs to ground wires and mount with, up to five 13/32 bolts.			
R8	16	6	2x240	2x500 MCM	57	42				

1. Do not use aluminum cable with frame sizes R1...R4.
2. See the following section for smaller wire sizes on frame size R6.

### Power Terminal Considerations – R6 Frame Size



**Warning!** For R6 power terminals, if compression lugs are supplied, they can only be used for wire sizes that are 95 mm<sup>2</sup> (3/0 AWG) or larger. Smaller wires will loosen and may damage the drive, and require ring lugs as described below.



X60002

### Ring Lugs

On the R6 frame size, if the cable size used is less than 95 mm<sup>2</sup> (3/0 AWG) or if no compression lugs are supplied, use ring lugs according to the following procedure.

1. Select appropriate ring lugs from the following table.
2. Attach the supplied terminal lugs to the drive end of the cables.
3. Isolate the ends of the ring lugs with insulating tape or shrink tubing.