

### 3.11 Terminal size and torque settings

**Table 3-13 Drive control terminal data**

Model	Connection type	Torque setting
All	Plug-in relay terminals	0.52 Nm (4.6 lb in)
	Plug-in drive control terminals	0.2 Nm (1.8 lb in)
	BackNET communications (H300 Variant only)	0.2 Nm (1.8 lb in)
Frame 7-10	Terminals 51, 52 24 V backup supply	0.2 Nm (1.8 lb in)

**Table 3-14 Terminal block maximum cable sizes**

Model	Size	Terminal block description	Maximum cable size
All	All	Control connector	1.5 mm <sup>2</sup> (16 AWG)
All	All	2 way relay connector	2.5 mm <sup>2</sup> (14 AWG)
M300 to M400	7 to 9	STO connector	
M600 to M702	All	2 way low voltage power 24V supply connector	1.5 mm <sup>2</sup> (16 AWG)

**Table 3-15 Maximum crimp/lug sizes for frame size 8 to 10**

Terminals	Maximum standard crimp (mm <sup>2</sup> )	Maximum standard US lug (kcmil)
AC supply connections	2 x 185	2 x 500
AC supply ground	2 x 120	1 x 350
Motor connections	2 x 150	2 x 350
Drive output ground	2 x 150	1 x 350
Brake connection	2 x 150	2 x 350

**Table 3-16 Drive power terminal data**

Model size	AC and motor terminals		DC and braking		Ground terminal	
	Recommended	Maximum	Recommended	Maximum	Recommended	Maximum
7	M8 Nut (13 mm AF)		M8 Nut (13 mm AF)		M8 Nut (13 mm AF)	
	12 N m (106.2 lb in)	14 N m (124 lb in)	12 N m (106.2 lb in)	14 N m (124 lb in)	12 N m (106.2 lb in)	14 N m (124 lb in)
8 to 10	M10 Nut (17 mm AF)		M10 Nut (17 mm AF)		M10 Nut (17 mm AF)	
	15 N m (133 lb in)	20 N m (177 lb in)	15 N m (133 lb in)	20 N m (177 lb in)	15 N m (133 lb in)	20 N m (177 lb in)