

Technical specifications (continued)

DC link voltage 510 ... 720 V DC					
• Internal air cooling		6SL3120-2TE13-0AA3	6SL3120-2TE15-0AA3	6SL3120-2TE21-0AA3	6SL3120-2TE21-8AA3
• External air cooling		6SL3121-2TE13-0AA3	6SL3121-2TE15-0AA3	6SL3121-2TE21-0AA3	6SL3121-2TE21-8AA3
• Cold plate cooling		6SL3126-2TE13-0AA3	6SL3126-2TE15-0AA3	6SL3126-2TE21-0AA3	6SL3126-2TE21-8AA3
Product name		Double Motor Module in booksized format			
Output current					
• Rated current I_{rated}	A	2 × 3	2 × 5	2 × 9	2 × 18
• For S6 duty (40 %) I_{S6}	A	2 × 3.5	2 × 6	2 × 10	2 × 24
• Base-load current I_H	A	2 × 2.6	2 × 4.3	2 × 7.7	2 × 15.3
• I_{max}	A	2 × 6	2 × 10	2 × 18	2 × 36
Type rating¹⁾					
• Based on I_{rated}	kW (HP)	2 × 1.6 (1.5)	2 × 2.7 (3)	2 × 4.8 (5)	2 × 9.7 (10)
• Based on I_H	kW (HP)	2 × 1.4 (1)	2 × 2.3 (2.5)	2 × 4.1 (5)	2 × 8.2 (10)
DC link current $I_d^{(2)}$	A	7.2	12	22	43
Current carrying capacity					
• DC link busbars	A	100	100	100	100
• 24 V DC busbars	A	20	20	20	20
If, due to a number of Line and Motor Modules being mounted side-by-side, the current carrying capacity exceeds 20 A, an additional 24-V-DC connection using a 24-V terminal adapter is required (max. cross-section 6 mm ² , max. fuse protection 20 A).					
DC link capacitance	µF	110	220	220	705
Current requirement At 24 V DC, max.	A	1.0	1.0	1.0	1.0
Internal/external air cooling					
• Power loss ³⁾					
- With internal air cooling in control cabinet	kW	0.095	0.13	0.185	0.345
- With external air cooling, int./ext.	kW	0.06/0.035	0.07/0.06	0.09/0.095	0.105/0.24
• Cooling air requirement	m ³ /s (ft ³ /s)	0.008 (0.3)	0.008 (0.3)	0.008 (0.3)	0.016 (0.6)
• Sound press. level L_{pA} (1 m (3.28 ft))	dB	< 60	< 60	< 60	< 60
Cold plate cooling					
• Power loss, int./ext. ³⁾	kW	0.055/0.035	0.06/0.065	0.08/0.1	0.095/0.25
• Thermal resistance R_{th}	K/W	0.185	0.185	0.185	0.075
Motor connection U2, V2, W2		2 x connectors (X1, X2) ⁴⁾ , max. 30 A (not included in scope of supply, see Accessories)	2 x connectors (X1, X2) ⁴⁾ , max. 30 A (not included in scope of supply, see Accessories)	2 x connectors (X1, X2) ⁴⁾ , max. 30 A (not included in scope of supply, see Accessories)	2 x connectors (X1, X2) ⁴⁾ , max. 30 A (not included in scope of supply, see Accessories)
Shield connection		Integrated in connector (X1, X2)	Integrated in connector (X1, X2)	Integrated in connector (X1, X2)	Integrated in connector (X1, X2)
PE connection		M5 screw	M5 screw	M5 screw	M5 screw
Motor brake connection		Integr. into the plug-in motor connector (X1, X2), 24 V DC, 2 A	Integr. into the plug-in motor connector (X1, X2), 24 V DC, 2 A	Integr. into the plug-in motor connector (X1, X2), 24 V DC, 2 A	Integr. into the plug-in motor connector (X1, X2), 24 V DC, 2 A
Motor cable length, max.					
• Shielded	m (ft)	50 (164)	50 (164)	50 (164)	70 (230)
• Unshielded	m (ft)	75 (246)	75 (246)	75 (246)	100 (328)
Degree of protection		IP20	IP20	IP20	IP20
Dimensions					
• Width	mm (in)	50 (1.97)	50 (1.97)	50 (1.97)	100 (3.94)
• Height	mm (in)	380 (14.96)	380 (14.96)	380 (14.96)	380 (14.96)
• Depth					
- With internal air cooling	mm (in)	270 (10.63)	270 (10.63)	270 (10.63)	270 (10.63)
- With external air cooling, on/behind mounting surface	mm (in)	226/66.5 (8.90/2.63)	226/66.5 (8.90/2.63)	226/66.5 (8.90/2.63)	226/66.5 (8.90/2.63)
- With cold plate cooling	mm (in)	226 (8.90)	226 (8.90)	226 (8.90)	226 (8.90)
Weight, approx.					
• With internal air cooling	kg (lb)	5.3 (11.7)	5.3 (11.7)	5.3 (11.7)	6.8 (15)
• With external air cooling	kg (lb)	5.8 (12.8)	5.8 (12.8)	5.8 (12.8)	8.6 (19)
• With cold plate cooling	kg (lb)	4.5 (9.92)	4.5 (9.92)	4.5 (9.92)	5.9 (13)

¹⁾ Rated power of a standard asynchronous (induction) motor at 600 V DC link voltage.

²⁾ Rated DC link current for dimensioning an external DC connection.
For instructions for calculating the DC link current when dimensioning the Line Module, see System description (on the CD-ROM supplied with the Catalog NC 61).

³⁾ Power loss of Motor Module at rated power including losses of 24 V DC electronics power supply.

⁴⁾ Connector not included in scope of supply, see Accessories.