


Control terminals description

Digital inputs

Terminal	Signal function	Description	Signal requirement
X1...X5	Multi-function digital inputs	See Group E1	Inputs via opto-electric couplers: 24 VDC, 8 mA / 12 VDC, 4 mA Pulse input: Max. 50.0 kHz
X5 (multiplex)	Pulse input		
SC	Shared connection	Shared connection for isolation opto-electric couplers	–
+24 V	Power supply for digital inputs	COM is reference	Max. output current: 100 mA
COM		Isolated from GND	

Analog inputs

Terminal	Signal function	Description	Signal requirement
+10 V	Power supply for analog inputs	GND is reference	Max. output current: 30 mA
+5 V			Max. output current: 10 mA
AI1	Analog voltage input 1/ Analog current input 1	Analog voltage / current inputs are used as external frequency setting channels	Voltage input range: 0/2...10 V Input impedance: 40 k Ω Resolution: 1/1,000
AI2	Analog voltage input 2/ Analog current input 2	To switch between voltage and current or to set the input related functions, see Group E1	Current input range: 0/4...20 mA Input impedance: 500 Ω Resolution: 1/1,000
GND	Shared connection	Isolated from COM	–
	Shielding connection	Connected with grounding terminals on heatsink internally	–