



Drive □ MCDHT3520

URL: <https://www.sxplc.com/drive-mcdht3520>

Product data sheet

Item	Specifications
Part Number	MCDHT3520
Details	A5 series Speed, Position, Torque, Full-closed type with the safety function
Family Name	MINAS A5
Series	A5 series
Type	Speed, Position, Torque, Full-closed type
Frame	C-Frame
Frequency response (kHz)	2.3
Control method	Position control, Velocity control, Torque control, and Full-closed control
Safety Function	with
Power device Max. current rating	30A
Current detector current rating	20A
Supply voltage	Single/3-phase 200 V
I/F Classification of type	Analog/Pulse
Dimensions (W) (Unit: mm)	65
Dimensions (H) (Unit: mm)	150

Dimensions (D) (Unit: mm)	170
Mass (kg)	1.6
Environment	For more details, please refer to the instruction manual.

Basic Specifications

Item	Specifications
Input power: Main circuit	Single/3-phase 200 V (+10% -15%) to 240 V (+10% -15%) 50/60 Hz
Input power: Control circuit	Single phase 200 V (+10% -15%) to 240 V (+10% -15%) 50/60 Hz
Encoder feedback	17-bit (131072 resolution) absolute encoder, 7-wire serial 20-bit (1048576 resolution) incremental encoder, 5-wire serial
External scale feedback	A/B phase, homing signal differential input. Serial communication is also supported.
Parallel I/O connector: Control signal Input	General purpose 10 inputs The function of general-purpose input is selected by parameters.
Parallel I/O connector: Control signal Output	General purpose 6 output The function of general-purpose output is selected by parameters.
Parallel I/O connector: Analog signal Input	3 inputs (16-bit A/D : 1 input, 12-bit A/D : 2 inputs)
Parallel I/O connector: Analog signal Output	2 outputs (Analog monitor: 2 output)
Parallel I/O connector: Pulse signal Input	2 inputs (Photo-coupler input, Line receiver input)
Parallel I/O connector: Pulse signal Output	4 outputs (Line driver: 3 output, open collector: 1 output)
Communication function	USB, RS232, RS485
Communication function: USB	USB interface to connect to computers for parameter setting or status monitoring.
Communication function: RS232	1:1 communication

Communication function: RS485	1: n communication (max 31)
Regeneration	Built-in regenerative resistor (external resistor is also enabled.)
Control mode	Switching among the following 7 mode is enabled, (1) Position control, (2) Speed control, (3) Torque control, (4) Position/speed control, (5) Position/Torque control, (6) Speed/Torque control, (7) Full-closed control

