INTEK®

Частотные преобразователи INTEK серии AX200

General Purpose, Sensorless Vector Control

- Auto Identification, Simple to use
- PID Process Control, Multi-Function I/O
- Heavy Duty Use (3s 180%, 60s 150%)
- Support MODBUS via RS485
- Power Range 0.4-280 kW
- Drives Asynchronous / PM Motors

Item		Specifications
Basic Function	Control Mode	V/F Control Sersorless Flux Vector Control, SFVC
	Max. Frequency	Vector Control 0.0-320.0 Hz V/F Control 0.1-3200 Hz
	Carrier Frequency	1.0 kHz-16.0 kHz The Carrier Frequency is Automatically Adjusted Based on the Load Features.
	Input Frequency Resolution	Digital Setting 0.01 Hz Analog Setting Max. Frequency x 0.025%
	Start Torque	G Type 0.5 Hz / 150%, SFVC P Type 0.5 Hz / 100%
	Speed Range	1:100, SFVC
	Speed Stability Accuracy	±0.5%, SFVC
	Overload Capacity	G Type 60s for 150% of the Rated Current, 3s for 180% of the Rated Current. P Type 60s for 120% of the Rated Current, 3s for 150% of the Rated Current.
	Torque Boost	Fixed Boost; Customized Boost 0.1%~30.0%
	Ramp Mode	Straight-Line Ramp; S-Curve Ramp Four Groups of Acceleration/Deceleration Time with the Range of 0.00-6500.0s
	DC Braking	DC Braking Frequency 0.00Hz~Maximum frequency Braking Time 0.0s~100.0s Braking Action Current Value 0.0%~100.0%
	JOG control	JOG Frequency Range 0.00 Hz-50.00 Hz JOG Acceleration/Deceleration Time: 0.0s~6500.0s
	Simple PLC, Multiple Preset Speeds	It Implements up to 16 Speeds via the Simple PLC Function or Combination of Terminal States
	Onboard PID	It Realizes Process Controlled Closed Loop Control System Easily
	Auto voltage regulation（AVR）	It Can Keep Constant Output Voltage Automatically when the Mains Voltage Changes
	Overvoltage / Overcurrent Stall Control	The current and voltage are limited automatically during the running process so as to avoid Frequent Tripping Due to Overvoltage/Over Current.
	Rapid Current Limit	It Helps to Avoid Frequent Over Current Faults of the AC Drive.
	Torque Limit and Control	It can Limit the Torque Automatically and Prevent Frequent Over Current Tripping During the Runing Process.
	High Performance	Control of Asynchronous Motor are Implemented Through the High-Performance Current Vector Control Technology.
	Running Command Channel	Given by the Panel, Control Terminals, Serial Communication Port, can be Switched by Many Ways.
	Frequency Source	There are Ten Frequency Sources. Digital Setting, Analog Voltage Setting, Analog Current Setting, Pulse Setting, Serial Port Setting. You can Perform Switchover Between these Sources in Various Ways.
	Auxiliary Frequency Source	10 kinds of Frequency Sorce, can be eaSlly reallze Micro Adjust, Frequency Synthesizer
	Timing Control	0.0-6500.0 min.
	Communication Methods	RS 485
Input & Output	Input Terminal	6 Digital Input Terminals, One of Which Supports up to 100 kHz High-Speed Pulse Input (Optional). 2 Analog Input Terminals, One of Which Only Supports 0-10V Voltage Input and the Other Supports 0-10V Voltage Input or 4-20mA Current Input.
	Output Terminal	1 Digital Output Terminal 1 Relay Output Terminal 1 Analog Output Terminal, That Supports 0-20mA Current Output or 0-10V Voltage Output
Others	Protection Function	Motor Shourt-Circuit Detection at Power-On, Output Phase Loss Protection, Over-Current Protection , Overheat Protection and Overload
	Key Locking and Function Selection	It can Lock the Keys Parlially or Completelly and Define the Function Range of Some Keys so as to Prevent Mis-Function.
	Protection Class	IP20