РусАвтоматизация®

INTEK

AX800

High Performance & Powerfull, Heavy Duty

- Various Control Version, V/F, Sensorless Vector and Cloosed Loop Vector Control
- Modbus RS 485, Profibus-DP, CANopen Communication Mode
- Flexible Programmable I/Os
- Heavy Duty 150% 60s, 180% 3s
- Wide Operating Voltage 220 to 690 VAC

	Item	Specifications
Basic Function	Control Mode	V/F Control Sersorless Flux Vector Control, SFVC Closed-Loop Vector Control, FVC, Above 3.7kW
	Max. Frequency	Vector Control 0.0-320.0 Hz V/F Control 0.0-3200.0 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; 0.0 Hz / 180%, FVC P Type 0.5 Hz / 100%
	Speed Range	1:100, SFVC / 1:1000, FVC
	Speed Stability Accuracy	±0.2%, SFVC / ±0.02%, FVC
	Torque Control Accuracy	±5%, Cloosed-Loop Vector Cotrol FVC Mode
	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
	Onboard 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 Over Voltage/Over Current.
	Torque Limit and Control	It can Limit the Torque Automatically and Prevent Frequent Over Current Tripping During the Runing Process. Torque Control can be Implemented in the FVC Mode.
Individualized Functions	High Performance	Control of Asynchronous Motor and Synchronous Motor are Implemented Through the High Performance Current Vector Control Technology.
	Rapid Dip Ride Through	The Load Feedback Energy Compensates the Voltage Reduction so That the AC Drive can Continue to Run for a Short Time
	Support for Multiple PG Card	Differential Input PG Card / Resolver PG Card / Rotating Transformer PG Card UVW Differential Input PG Card / OC Input PG Card
	Rapid Current Limit	It Helps to Avoid Frequent Over Current Faults of the AC Drive.
	Timing Control	0.0-6500.0 min.
	Communication Methods	Modbus (Standrad), Profibus-DP, CANopen
Running	Running Command Source	Operation Panel / Control Terminals / Serial Communication Port You can Perform Switchover Between these Sources in Various Ways.
	Frequency Source	Digital Setting, Analog Voltage Setting, Analog Current Setting, Pulse Setting, Serial Port Setting. You can Perform Switchover Between these Sources in Various Ways.
	Input Terminal	8 Digital Input Terminals, One of Which Supports up to 100 kHz High-Speed Pulse Input 2 Analog Input Terminal, One of Which Only Supports 0-10V Voltage Input and the Other Suppports 0-10V Voltage Input or 4-20 mA Current Input.
	Output Terminal	1 High-Speed Pulse Output Terminal (Open-Collector) that Supports 0-100kHz Square Wave Signal Output 1 Digital Output Terminal 2 Relay Output Terminal 2 Analog Output Terminal - that Supports 0-20mA Current Output or 0-10V Voltage Output.
	Protection Function	Motor shourt-circuit detection at power-on, output phase loss, over-current, overheat, under voltage and overload

ООО “РусАвтоматизация”

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