IX7NHA035U-AD Cut Sheet

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LS Electric servo drive, 3.5 kW, 230 VAC, 1 and 3-phase, (2) Ethernet 100Base-TX (RJ45) port(s), EtherCAT Slave and Modbus TCP. For use with 1.5 kW-2.2 kW 1-phase and 3.5 kW 3-phase systems.

For complete product information, please see this item on our store at the following link:

https://www.automationdirect.com/pn/IX7NHA035U-AD

Technical Specifications

Brand	LS Electric
Item	Servo drive
Voltage Type	AC
Amperage Rating	16A
Power Rating	3.5 kW
Nominal Input Voltage	230 VAC
Number of Input Phases	1 and 3
Output Type	SVPWM output
Steps per Revolution	Up to 19-bit (524288 ppr)
Encoder Output	Yes
Encoder Resolution	19-bit (524288 ppr)
Communication Port and Connection Type(s)	(2) Ethernet 100Base-TX (RJ45)
Port Protocol(s)	• EtherCAT Slave • Modbus TCP Server • webserver (non-secure HTTP)
Port Speed(s)	100 Mbps
Temperature Rating	0 to 50 deg C
Enclosure Type	Enclosed
IP Rating	IP20
Mounting	Panel
Control Mode	Torque, velocity and position
Number of Discrete Input Points	6
Discrete Input Type	Sinking/sourcing
Number of Discrete Output Points	3
Discrete Output Type	Sinking
Number of Analog Input Channels	1
Analog Input Signal Type	Voltage
Input Voltage Signal Range	Input voltage signal range(s) of +/- 10 VDC
Number of Analog Output Channels	2
Analog Output Signal Type	Voltage
Output Voltage Signal Range	+/- 10 VDC
Tuning Mode	On-line auto/off-line auto/manual
Protection Type(s)	• overcurrent • overload • over-temperature • overvoltage • undervoltage • encoder error • position error • current sensing error
Configuration	Software
For Use With	1.5 kW-2.2 kW 1-phase and 3.5 kW 3-phase systems
Derating	For 1-phase supply: This drive can only supply 200% max motor torque to 1.5 kW and 1.6 kW motors and 150% max motor torque to 2.2 kW motors

Agency Approvals

UL Listed File #	E479434
UL Recognized File #	None
UL Hazardous File #	None
CE	View CE declarations
CSA File #	None
RoHS Status	Yes (See CE Doc)
EU REACH	View EU REACH document

Dimensional Drawings

2D Drawing PDF Link:
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