

PHOX-06-080NS-AD Cut Sheet



LS Electric servo drive, 300W, 24-80 VDC, (2) Ethernet 100Base-TX (RJ45) port(s), EtherCAT Slave. For use with 200W-300W systems.

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



<https://www.automationdirect.com/pn/PHOX-06-080NS-AD>

Technical Specifications

Brand	LS Electric
Item	Servo drive
Voltage Type	DC
Amperage Rating	6A
Power Rating	300W
Nominal Input Voltage	24-80 VDC
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
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
Command Signal(s)	<ul style="list-style-type: none"> • step and direction • CW/CCW • A/B Quad • internal indexing (via discrete input) • torque and velocity (via discrete and analog input)

Number of Discrete Input Points	4
Discrete Input Type	Sinking/sourcing
Number of Discrete Output Points	4
Discrete Output Type	Sinking/sourcing
Number of Analog Input Channels	1
Analog Input Signal Type	Voltage
Input Voltage Signal Range	Input voltage signal range(s) of +/- 5 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)	<ul style="list-style-type: none"> • overcurrent • overload • over-temperature • overvoltage • undervoltage • encoder error • position error • current sensing error
Configuration	Software
For Use With	200W-300W systems

Agency Approvals

UL Listed File #	None
UL Recognized File #	NMMS2.E479434
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:
<https://cdn.automationdirect.com/static/drawings/2d/PHOX-06-080NS-AD.pdf>
See store item page for other formats.