

PHOX-03-080NS-AD Cut Sheet



LS Electric servo drive, 150W, 24-80 VDC, (2) Ethernet 100Base-TX (RJ45) port(s), EtherCAT Slave. For use with 100W systems.

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



<https://www.automationdirect.com/pn/PHOX-03-080NS-AD>

Technical Specifications

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|--|---|
| Brand | LS Electric |
| Item | Servo drive |
| Voltage Type | DC |
| Amperage Rating | 3A |
| Power Rating | 150W |
| 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) |

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| 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 | 100W systems |

Agency Approvals

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|-----------------------------|--|
| 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-03-080NS-AD.pdf>
See store item page for other formats.