

# APM-FE16DMK-AD Cut Sheet



LS Electric medium inertia AC brushless servo motor, 1.6 kW, 3-phase input, 19-bit (524288 ppr) encoder. For use with LS Electric L7PA020U-AD and iX7NHA020U-AD with 3-phase input and L7PA035U-AD and iX7NHA035U-AD with 1-phase input.

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



<https://www.automationdirect.com/pn/APM-FE16DMK-AD>

## Technical Specifications

|                               |                     |
|-------------------------------|---------------------|
| <b>Brand</b>                  | LS Electric         |
| <b>Item</b>                   | Servo motor         |
| <b>Performance Level</b>      | Medium inertia      |
| <b>Voltage Type</b>           | AC                  |
| <b>Motor Type</b>             | Brushless           |
| <b>Power Rating</b>           | 1.6 kW              |
| <b>Number of Input Phases</b> | 3                   |
| <b>Rated Speed</b>            | 2000rpm             |
| <b>Maximum Speed</b>          | 3000rpm             |
| <b>Amperage Rating</b>        | 10.98A              |
| <b>Holding Torque Rating</b>  | 67.5 lb-in          |
| <b>Encoder Resolution</b>     | 19-bit (524288 ppr) |
| <b>Integrated Brake</b>       | No                  |

|                               |   |
|-------------------------------|---|
| <b>Motor Frame</b>            | 130mm   |
| <b>IP Rating</b>              | IP65  |
| <b>Shaft Type</b>             | Single  |
| <b>Shaft Diameter</b>         | 22mm  |
| <b>Steps per Revolution</b>   | Up to 19-bit (524288 ppr)   |
| <b>For Use With</b>           | LS Electric L7PA020U-AD and iX7NHA020U-AD with 3-phase input and L7PA035U-AD and iX7NHA035U-AD with 1-phase input |
| <b>Includes</b>               | Motor shaft key   |
| <b>Requires</b>               | LS Electric APCS-PxxxxHS-AD power cables and APCS-ExxxxDS1-AD encoder cables                                      |
| <b>Additional Information</b> | For 1-phase supply: Use L7PA035U-AD 3.5 kW drive  |

## Agency Approvals

|                             |  |
|-----------------------------|--|
| <b>UL Listed File #</b>     | E255738                                |
| <b>UL Recognized File #</b> | None                                   |
| <b>UL Hazardous File #</b>  | None                                   |
| <b>CE</b>                   | <a href="#">View CE declarations</a>   |
| <b>CSA File #</b>           | None                                   |
| <b>RoHS Status</b>          | Yes (See CE Doc)                       |
| <b>EU REACH</b>             | <a href="#">View EU REACH document</a> |

## Dimensional Drawings



2D Drawing PDF Link:  
<https://cdn.automationdirect.com/static/drawings/2d/APM-FE16DMK-AD.pdf>  
See store item page for other formats.