

# L7PA075U-AD Cut Sheet



LS Electric servo drive, 7.5 kW, 230 VAC, 3-phase, (2) RS-422/RS-485 (RJ45) port(s), Modbus RTU. For use with 7.5 kW systems.

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



<https://www.automationdirect.com/pn/L7PA075U-AD>

## Technical Specifications

<b>Brand</b>	LS Electric
<b>Item</b>	Servo drive
<b>Voltage Type</b>	AC
<b>Amperage Rating</b>	31A
<b>Power Rating</b>	7.5 kW
<b>Nominal Input Voltage</b>	230 VAC
<b>Number of Input Phases</b>	3
<b>Output Type</b>	SVPWM output
<b>Steps per Revolution</b>	Up to 19-bit (524288 ppr)
<b>Encoder Output</b>	Yes
<b>Encoder Resolution</b>	19-bit (524288 ppr)
<b>Communication Port and Connection Type(s)</b>	(2) RS-422/RS-485 (RJ45)
<b>Port Protocol(s)</b>	Modbus RTU Slave
<b>Port Speed(s)</b>	up to 57.6k baud
<b>Temperature Rating</b>	0 to 50 deg C
<b>Enclosure Type</b>	Enclosed
<b>IP Rating</b>	IP20
<b>Mounting</b>	Panel
<b>Control Mode</b>	Torque, velocity and position
<b>Command Signal(s)</b>	<ul style="list-style-type: none"><li>• step and direction</li><li>• CW/CCW</li><li>• A/B Quad</li><li>• internal indexing (via discrete input and communication port)</li><li>• torque and velocity (via discrete and analog input)</li></ul>
<b>Number of Discrete Input Points</b>	16
<b>Discrete Input Type</b>	Sinking/sourcing
<b>Number of Discrete Output Points</b>	8
<b>Discrete Output Type</b>	Sinking/sourcing
<b>Number of Analog Input Channels</b>	2
<b>Analog Input Signal Type</b>	Voltage
<b>Input Voltage Signal Range</b>	+/- 10 VDC

<b>Number of Analog Output Channels</b>	2
<b>Analog Output Signal Type</b>	Voltage
<b>Output Voltage Signal Range</b>	+/- 10 VDC
<b>Tuning Mode</b>	On-line auto/off-line auto/manual
<b>Protection Type(s)</b>	<ul style="list-style-type: none"><li>• overcurrent</li><li>• overvoltage</li><li>• undervoltage</li><li>• over-temperature</li><li>• overload</li><li>• overspeed</li><li>• encoder error</li><li>• position error</li><li>• current sensing error</li></ul>
<b>Configuration</b>	Software and keypad
<b>For Use With</b>	7.5 kW systems

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## Agency Approvals

<b>UL Listed File #</b>	E479434
<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>

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## Dimensional Drawings



2D Drawing PDF Link:  
<https://cdn.automationdirect.com/static/drawings/2d/L7PA075U-AD.pdf>  
See store item page for other formats.