

APMC-FCL10AMK-AD Cut Sheet



LS Electric low inertia AC brushless servo motor, 1 kW, 3-phase input, 19-bit (524288 ppr) encoder. For use with LS Electric L7PA010U-AD and iX7NHA010U-AD 1 kW drives and L7PA020U-AD and iX7NHA020U-AD 2 kW drives with 1-phase input.

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



<https://www.automationdirect.com/pn/APMC-FCL10AMK-AD>

Technical Specifications

Brand	LS Electric
Item	Servo motor
Performance Level	Low inertia
Voltage Type	AC
Motor Type	Brushless
Power Rating	1 kW
Number of Input Phases	3
Rated Speed	3000rpm
Maximum Speed	5000rpm
Amperage Rating	5.83A
Holding Torque Rating	28.1 lb-in
Encoder Resolution	19-bit (524288 ppr)
Integrated Brake	No

Motor Frame	80mm
IP Rating	IP67
Shaft Type	Single
Shaft Diameter	19mm
Steps per Revolution	Up to 19-bit (524288 ppr)
For Use With	LS Electric L7PA010U-AD and iX7NHA010U-AD 1 kW drives and L7PA020U-AD and iX7NHA020U-AD 2 kW drives with 1-phase input
Includes	Motor shaft key
Requires	LS Electric APCS-PxxxxLS-AD power cables and APCS-ExxxxES1-AD encoder cables
Additional Information	For 1-phase supply: L7PA010U-AD will derate this motor to 200% max motor torque. Use L7PA020U-AD for standard 300% max motor torque

Agency Approvals

UL Listed File #	E255738
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:
<https://cdn.automationdirect.com/static/drawings/2d/APMC-FCL10AMK-AD.pdf>
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