

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	Motor Frame	80mm
Item	Servo motor	IP Rating	IP67
Performance Level	Low inertia	Shaft Type	Single
Voltage Type	AC	Shaft Diameter	19mm
Motor Type	Brushless	Steps per Revolution	Up to 19-bit (524288 ppr)
Power Rating	1 kW	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
Number of Input Phases	3	Includes	Motor shaft key
Rated Speed	3000rpm	Requires	LS Electric APCS-PxxxxLS-AD power cables and APCS-ExxxxES1-AD encoder cables
Maximum Speed	5000rpm	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
Amperage Rating	5.83A		
Holding Torque Rating	28.1 lb-in		
Encoder Resolution	19-bit (524288 ppr)		
Integrated Brake	No		

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