SMH60S-0020-30AA





Small inertia servo motor with versions of 200W and 400W, 3000rpm speed, 60mm flange, 6 poles, 2500ppr incremental encoder

Rating: Not Rated Yet
Price
Sales price without tax 324,00 €

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ManufacturerELCON | Systems & Components

Description

Motor series		Small inertia, flange size 60mm	
Model		SMH60S-0020-30AAK-3LKX	SMH60S-0040-30AAK-3LKX
Compatible driver		CD420-0020-0016-AA-000	CD420-0040-0031-AA-000
DC link voltage UDC		300	300
Continuous performance	Rated power PN (W)	200	400
	Rated torque TN (Nm)	0.64	1.27
	Rated speed nN (rpm)	3000	3000
	Rated current IN (A)	1.6	3.1
Maximum		1.92	3.82

torque Tm (Nm)			
Maximum current Im (A)		4.8	9.3
Standstill torque TS (Nm)		0.7	1.39
Standstill current IS (A)		1.79	3.38
Resistance line-line RL (?)		8.02	3.52
Inductance line-line LL (mH)		16.3	7.8
Electrical time constant ?e (ms)		2.03	2.22
Mechanical time constant ?m (ms)		2.26	1.35
Reverse voltage constant Ke (V/krpm)		29	29
Torque constant Kt (Nm/A)		0.48	0.48
Rotor moment of inertia Jm (Kg·cm²)		0.375	0.51
Pole pair number		3	3
Maximum voltage rising du/dt (KV/?s)		8	8
Insulation class		F	F
Maximum radial force F (N)		180	180
Maximum axial force F (N)		90	90
Weight G(Kg)		1.3	1.8
Length of motor L(mm)		120	150
Position feedback device		Incremental encoder 2500ppr	
Cooling method		Totally enclosed, non-ventilated	
Protection level		IP65 for body, shaft sealing IP54	
Environmental conditions for operation	**Temperature**	-20??40?	
	Humidity	Below 90% RH (No condensing)	
	Ambient enviroment	Away from active gas, combustible gas, oil drops and dust	
	Altitude	Maximum altitude 4000m, Rated power at 1000m or below, Above 1000m: Decreasing 1.5% per 100m rise	