

SMH60S-0020-30AA



???????????????????? ???? ???? 200 ???? 400W, 3000rpm, ?????? 60mm, 6 ?????, 2500ppr incremental encoder

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Price

Sales price without tax 324,00 €

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Manufacturer [ELCON | Systems & Components](#)

Description		Motor series	Small inertia, flange size 60mm
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 torque Tm (Nm)		1.92	3.82
Maximum current Im		4.8	9.3

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

(A)		
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 τ_e (ms)	2.03	2.22
Mechanical time constant τ_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 environment	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