

SMH60S-0040-30AA



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

?????????: ??? ?????????? ???? ?

Price
Sales price without tax 340,00 €

[?????? ?? ?? ?????](#)

Manufacturer[ELCON | 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 torque Tm (Nm)		1.92	3.82
	Maximum current Im		4.8	9.3

(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 ?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·cm ²)	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