



Brushless Servo Motors

SERVO MOTORS - PREFERRED

- Speed, precision, control for top performance
- Application oriented: tailor-made service, from design to assistance
- Preferred series: for minimum delivery times



TECHNICAL DATA

Motor Type

B28.01Q 1 Nm - 3000 rpm - 8 poles - 400V

PERFORMANCE DATA

Type	B28.01Q
Stall torque (Deltat=105°C) Mo Nm	1
Rated speed n rpm	3000
Rated power P _n kW	305
Rated torque (Deltat=105°C) Mn Nm	0.97
Peak torque M _{pk} Nm	4
Max speed n _{max} rpm	6600
Moment of inertia J 10?? Kgm ²	0.25
Peack torque acceleration a _{pk} rad/sec ²	160000
Thermal time constant T _{th} min	38
Voltage constant k _e V _s	0.84
Torque constant k _t Nm/A	1.45
Resistance phase to phase (20°C) R _w ?	305
Inductance phase to phase L _w mH	72.9

B.E.M.F. @ rated speed E_n Vrms	264
Stall current I_o Arms	0.69
Rated current I_n Arms	0.67
Peak current I_{pk} Arms	3.3
Power connector size	7/1
Weight kg	1.7

Mechanical Data

Design	Aluminium
Degree of protection	IP 65 except A side flange
Bearings DE	6000 2ZC3WT
Bearings NDE	6900 2ZC3WT
Lubrication grease	low & high temperature grease
Regreasing device	permanent lubrication
Cooling	radiation and natural convection
Vibration Level	A (normal)

Electrical Data

Poles	8
Voltage	400V
Thermal protection threshold θ_{max} °C	140