



Brushless Servo Motors

ATEX SERVO MOTORS - ZONE 2-22

- Zone 2- 22 – category 3G (gas) and 3D (dust)



TECHNICAL DATA

Motor Type

B56.E3Q 1.35 Nm - 3000 rpm - 8 poles - 400V

PERFORMANCE DATA

Type	B56.E3Q
Stall torque (Deltat=105°C) Mo Nm	1.35
Rated speed n rpm	3000
Rated power P _n kW	0.4
Rated torque (Deltat=105°C) Mn Nm	1.3
Peak torque M _{pk} Nm	5
Max speed n _{max} rpm	6600
Moment of inertia J 10?? Kgm ²	0.47
Peack torque acceleration a _{pk} rad/sec ²	106383
Thermal time constant T _{th} min	31
Thermal protection threshold ?max °C	140
Voltage constant k _e V _s	0.94
Torque constant k _t Nm/A	1.63
Resistance phase to phase (20°C) R _w ?	37.4

Inductance phase to phase L_w mH	137
B.E.M.F. @ rated speed E_n Vrms	296
Stall current I_o Arms	0.8
Rated current I_n Arms	0.8
Peak current I_{pk} Arms	3.9
Power connector size	7/1

Electrical Data

Weight kg	3.5
Poles	8
Voltage	400V