



Brushless Servo Motors

ATEX SERVO MOTORS - ZONE 2-22

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



TECHNICAL DATA

Motor Type

B28.D5Q 0.5 Nm - 3000 rpm - 8 poles - 400V

PERFORMANCE DATA

Type	B28.D5Q
Stall torque (Deltat=105°C) Mo Nm	0.5
Rated speed n rpm	3000
Rated power P_n kW	153.9
Rated torque (Deltat=105°C) Mn Nm	0.49
Peak torque M_{pk} Nm	2
Max speed n_{max} rpm	6600
Moment of inertia J 10?? Kgm²	0.13
Peack torque acceleration a_{pk} rad/sec²	153846
Thermal time constant T_{th} min	34
Thermal protection threshold ?max °C	140
Voltage constant k_e V_s	0.84
Torque constant k_t Nm/A	1.45
Resistance phase to phase (20°C) R_w ?	155

Inductance phase to phase L_w mH	225.7
B.E.M.F. @ rated speed E_n Vrms	264
Stall current I_o Arms	0.34
Rated current I_n Arms	0.34
Peak current I_{pk} Arms	1.6
Power connector size	7/1

Electrical Data

Weight kg	1.7
Poles	8
Voltage	400V