



Brushless Servo Motors

ATEX SERVO MOTORS - ZONE 2-22

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



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	304.7
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
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 ?	61.5

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

Electrical Data

Weight kg	1.7
Poles	8
Voltage	400V