



Brushless Servo Motors

ATEX SERVO MOTORS - ZONE 2-22

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



TECHNICAL DATA

Motor Type

B16.300Q 300 Nm - 2500 rpm - 8 poles - 400V

PERFORMANCE DATA

Type	B16.300Q
Stall torque (Deltat=105°C) Mo Nm	300
Rated speed n rpm	2500
Rated power P _n kW	39
Rated torque (Deltat=105°C) Mn Nm	150
Peak torque M _{pk} Nm	1150
Max speed n _{max} rpm	3800
Moment of inertia J 10?? Kgm ²	622
Peack torque acceleration a _{pk} rad/sec ²	18489
Thermal time constant T _{th} min	69
Thermal protection threshold ?max °C	140
Voltage constant k _e V _s	1.13
Torque constant k _t Nm/A	1.96
Resistance phase to phase (20°C) R _w ?	0.016

Inductance phase to phase L_w mH	0.65
B.E.M.F. @ rated speed E_n Vrms	296
Stall current I_o Arms	153
Rated current I_n Arms	77
Peak current I_{pk} Arms	
Power connector size	3/M10

Electrical Data

Weight kg	205
Poles	8
Voltage	400V