



Brushless Servo Motors

ATEX SERVO MOTORS - ZONE 2-22

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



TECHNICAL DATA

Motor Type

B16.C8Q 180 Nm - 3000 rpm - 8 poles - 400V

PERFORMANCE DATA

Type	B16.C8Q
Stall torque (Deltat=105°C) Mo Nm	180
Rated speed n rpm	3000
Rated power P _n kW	22
Rated torque (Deltat=105°C) Mn Nm	69
Peak torque M _{pk} Nm	650
Max speed n _{max} rpm	3800
Moment of inertia J 10?? Kgm ²	373
Peack torque acceleration a _{pk} rad/sec ²	17426
Thermal time constant T _{th} min	65
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 ?	0.024

Inductance phase to phase L_w mH	0.81
B.E.M.F. @ rated speed E_n Vrms	296
Stall current I_o Arms	111
Rated current I_n Arms	42
Peak current I_{pk} Arms	
Power connector size	3/M10

Electrical Data

Weight kg	140
Poles	8
Voltage	400V