



**Brushless Servo Motors**

**ATEX SERVO MOTORS - ZONE 2-22**

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



**TECHNICAL DATA**

**Motor Type**

B64.14J 14 Nm - 3000 rpm - 10 poles - 400V

**PERFORMANCE DATA**

Type	B64.14J
Stall torque (Deltat=105°C) Mo Nm	14
Rated speed n rpm	3000
Rated power P <sub>n</sub> kW	3.7
Rated torque (Deltat=105°C) Mn Nm	11.8
Peak torque M <sub>pk</sub> Nm	70
Max speed n <sub>max</sub> rpm	6600
Moment of inertia J 10?? Kgm <sup>2</sup>	18.2
Peack torque acceleration a <sub>pk</sub> rad/sec <sup>2</sup>	38546
Thermal time constant T <sub>th</sub> min	41
Thermal protection threshold ?max °C	140
Voltage constant k <sub>e</sub> V <sub>s</sub>	0.94
Torque constant k <sub>t</sub> Nm/A	1.63
Resistance phase to phase (20°C) R <sub>w</sub> ?	1.15

Inductance phase to phase $L_w$ mH	5.7
B.E.M.F. @ rated speed $E_n$ Vrms	296
Stall current $I_o$ Arms	8.6
Rated current $I_n$ Arms	7.2
Peak current $I_{pk}$ Arms	
Power connector size	7/1

## Electrical Data

Weight kg	12.7
Poles	10
Voltage	400V