



**Brushless Servo Motors**

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

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



**TECHNICAL DATA**

Motor Type

B64.08J 8 Nm - 4500 rpm - 10 poles - 400V

**PERFORMANCE DATA**

Type	B64.08J
Stall torque (Deltat=105°C) Mo Nm	8
Rated speed n rpm	4500
Rated power P <sub>n</sub> kW	2.8
Rated torque (Deltat=105°C) Mn Nm	6
Peak torque M <sub>pk</sub> Nm	38
Max speed n <sub>max</sub> rpm	6600
Moment of inertia J 10?? Kgm <sup>2</sup>	10.4
Peack torque acceleration a <sub>pk</sub> rad/sec <sup>2</sup>	36715
Thermal time constant T <sub>th</sub> min	32
Thermal protection threshold ?max °C	140
Voltage constant k <sub>e</sub> V <sub>s</sub>	0.63
Torque constant k <sub>t</sub> Nm/A	1.09
Resistance phase to phase (20°C) R <sub>w</sub> ?	1.04

Inductance phase to phase $L_w$ mH	4.5
B.E.M.F. @ rated speed $E_n$ Vrms	296
Stall current $I_o$ Arms	7.3
Rated current $I_n$ Arms	5.5
Peak current $I_{pk}$ Arms	
Power connector size	7/1

## Electrical Data

Weight kg	8
Poles	10
Voltage	400V