



### 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 - 3000 rpm - 10 poles - 400V

## PERFORMANCE DATA

|  |         |
|--|---------|
| Type   | B64.08J |
| Stall torque (Deltat=105°C) Mo Nm                              | 8       |
| Rated speed n rpm  | 3000    |
| Rated power P <sub>n</sub> kW                                  | 2.2     |
| Rated torque (Deltat=105°C) Mn Nm                              | 7       |
| 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>                 | 0.94    |
| Torque constant k <sub>t</sub> Nm/A                            | 1.63    |
| Resistance phase to phase (20°C) R <sub>w</sub> ?              | 2.30    |

|                                    |     |
|------------------------------------|-----|
| Inductance phase to phase $L_w$ mH | 9.9 |
| B.E.M.F. @ rated speed $E_n$ Vrms  | 296 |
| Stall current $I_o$ Arms           | 4.9 |
| Rated current $I_n$ Arms           | 4.3 |
| Peak current $I_{pk}$ Arms         |     |
| Power connector size               | 7/1 |

## Electrical Data

|           |      |
|-----------|------|
| Weight kg | 9.4  |
| Poles     | 10   |
| Voltage   | 400V |