



### Servo Motori Brushless

### SERVO MOTORI ATEX - ZONA 2-22

- Zona 2 e 22 ovvero categorie 3G (gas) e 3D (polveri)



## TECHNICAL DATA

Motor Type

B40.D7J 0.7 Nm - 6000 rpm - 10 poles - 400V

## PERFORMANCE DATA

|  |         |
|--|---------|
| Type   | B40.D7J |
| Stall torque (Deltat=105°C) Mo Nm                              | 0.7     |
| Rated speed n rpm  | 6000    |
| Rated power P <sub>n</sub> kW                                  | 250     |
| Rated torque (Deltat=105°C) Mn Nm                              | 0.4     |
| Peak torque M <sub>pk</sub> Nm                                 | 2.0     |
| Max speed n <sub>max</sub> rpm                                 | 6600    |
| Moment of inertia J 10?? Kgm <sup>2</sup>                      | 0.83    |
| Peack torque acceleration a <sub>pk</sub> rad/sec <sup>2</sup> | 24096   |
| Thermal time constant T <sub>th</sub> min                      | 15      |
| Thermal protection threshold ?max °C                           | 140     |
| Voltage constant k <sub>e</sub> V <sub>s</sub>                 | 0.47    |
| Torque constant k <sub>t</sub> Nm/A                            | 0.81    |
| Resistance phase to phase (20°C) R <sub>w</sub> ?              | 18.4    |

|  |      |
|--|------|
| <b>Inductance phase to phase <math>L_w</math> mH</b> | 16.5 |
| <b>B.E.M.F. @ rated speed <math>E_n</math> Vrms</b>  | 296  |
| <b>Stall current <math>I_o</math> Arms</b>           | 0.86 |
| <b>Rated current <math>I_n</math> Arms</b>           | 0.49 |
| <b>Peak current <math>I_{pk}</math> Arms</b>         | 2.9  |
| <b>Power connector size</b>                          | 7/1  |

## Electrical Data

|                  |      |
|------------------|------|
| <b>Weight kg</b> | 2.3  |
| <b>Poles</b>     | 10   |
| <b>Voltage</b>   | 400V |