



### Brushless Servo Motors

### ATEX SERVO MOTORS - ZONE 2-22

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



## TECHNICAL DATA

Motor Type

B30.E4J 1.4 Nm - 6000 rpm - 10 poles - 400V

## PERFORMANCE DATA

Type	B30.E4J
Stall torque (Deltat=105°C) Mo Nm	1.4
Rated speed n rpm	6000
Rated power P <sub>n</sub> kW	700
Rated torque (Deltat=105°C) Mn Nm	1.1
Peak torque M <sub>pk</sub> Nm	4.8
Max speed n <sub>max</sub> rpm	6600
Moment of inertia J 10?? Kgm <sup>2</sup>	0.41
Peack torque acceleration a <sub>pk</sub> rad/sec <sup>2</sup>	117073
Thermal time constant T <sub>th</sub> min	20
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> ?	9.9

Inductance phase to phase $L_w$ mH	12.9
B.E.M.F. @ rated speed $E_n$ Vrms	296
Stall current $I_o$ Arms	1.72
Rated current $I_n$ Arms	1.35
Peak current $I_{pk}$ Arms	6.9
Power connector size	8/-

## Electrical Data

Weight kg	1.7
Poles	10
Voltage	400V