



### Brushless Servo Motors

### ATEX SERVO MOTORS - ZONE 2-22

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



## TECHNICAL DATA

Motor Type

B10.62Q 62 Nm - 3000 rpm - 8 poles - 400V

## PERFORMANCE DATA

Type	B10.62Q
Stall torque (Deltat=105°C) Mo Nm	62
Rated speed n rpm	3000
Rated power P <sub>n</sub> kW	10.1
Rated torque (Deltat=105°C) Mn Nm	32
Peak torque M <sub>pk</sub> Nm	265
Max speed n <sub>max</sub> rpm	4000
Moment of inertia J 10?? Kgm <sup>2</sup>	72
Peack torque acceleration a <sub>pk</sub> rad/sec <sup>2</sup>	36806
Thermal time constant T <sub>th</sub> min	56
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> ?	0.14

Inductance phase to phase $L_w$ mH	2.1
B.E.M.F. @ rated speed $E_n$ Vrms	296
Stall current $I_o$ Arms	38.1
Rated current $I_n$ Arms	19.7
Peak current $I_{pk}$ Arms	214
Power connector size	7/1.5

## Electrical Data

Weight kg	60
Poles	8
Voltage	400V