



### Brushless Servo Motors

### ATEX SERVO MOTORS - ZONE 2-22

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



## TECHNICAL DATA

Motor Type

B71.38Q 38 Nm - 2000 rpm - 8 poles - 400V

## PERFORMANCE DATA

Type	B71.38Q
Stall torque (Deltat=105°C) Mo Nm	38
Rated speed n rpm	2000
Rated power P <sub>n</sub> kW	5.9
Rated torque (Deltat=105°C) Mn Nm	28
Peak torque M <sub>pk</sub> Nm	151
Max speed n <sub>max</sub> rpm	6600
Moment of inertia J 10?? Kgm <sup>2</sup>	28
Peack torque acceleration a <sub>pk</sub> rad/sec <sup>2</sup>	53929
Thermal time constant T <sub>th</sub> min	55
Thermal protection threshold ?max °C	140
Voltage constant k <sub>e</sub> V <sub>s</sub>	1.41
Torque constant k <sub>t</sub> Nm/A	2.44
Resistance phase to phase (20°C) R <sub>w</sub> ?	0.54

Inductance phase to phase $L_w$ mH	6.8
B.E.M.F. @ rated speed $E_n$ Vrms	296
Stall current $I_o$ Arms	15.6
Rated current $I_n$ Arms	11.5
Peak current $I_{pk}$ Arms	
Power connector size	7/1

## Electrical Data

Weight kg	31.9
Poles	8
Voltage	400V