



### Brushless Servo Motors

### ATEX SERVO MOTORS - ZONE 2-22

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



## TECHNICAL DATA

Motor Type

B28.D7Q 0.75 Nm - 3000 rpm - 8 poles - 400V

## PERFORMANCE DATA

Type	B28.D7Q
Stall torque (Deltat=105°C) Mo Nm	0.75
Rated speed n rpm	3000
Rated power P <sub>n</sub> kW	229.3
Rated torque (Deltat=105°C) Mn Nm	0.73
Peak torque M <sub>pk</sub> Nm	3
Max speed n <sub>max</sub> rpm	6600
Moment of inertia J 10?? Kgm <sup>2</sup>	0.19
Peack torque acceleration a <sub>pk</sub> rad/sec <sup>2</sup>	157895
Thermal time constant T <sub>th</sub> min	36
Thermal protection threshold ?max °C	140
Voltage constant k <sub>e</sub> V <sub>s</sub>	0.84
Torque constant k <sub>t</sub> Nm/A	1.45
Resistance phase to phase (20°C) R <sub>w</sub> ?	118.2

Inductance phase to phase $L_w$ mH	150
B.E.M.F. @ rated speed $E_n$ Vrms	264
Stall current $I_o$ Arms	0.52
Rated current $I_n$ Arms	0.5
Peak current $I_{pk}$ Arms	2.5
Power connector size	7/1

## Electrical Data

Weight kg	2
Poles	8
Voltage	400V