



Figure similar

MLFB-Ordering data

1FK7063-2AC71-1QA0

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Engineering data

Rated speed (100 K) 2000 rpm

Number of poles 8

Rated torque (100 K) 8.9 Nm

Rated current 4.4 A

Static torque (60 K) 9.10 Nm

Static torque (100 K) 11.0 Nm

Stall current (60 K) 4.30 A

Stall current (100 K) 5.30 A

Moment of inertia 14.700 kgcm²

Efficiency 91.0 %

Physical constants

Torque constant 2.08 Nm/A

Voltage constant at 20° C 136.5 V/1000*min⁻¹

Winding resistance at 20° C 1.45 Ω

Rotating field inductance 19.4 mH

Electrical time constant 13.40 ms

Mechanical time constant 1.47 ms

Thermal time constant 40 min

Shaft torsional stiffness 34000 Nm/rad

Net weight of the motor 11.1 kg

Mechanical data

Motor type Permanent-magnet synchronous motor

Motor type Compact

Shaft height 63

Cooling Natural cooling

Radial runout tolerance 0.040 mm

Concentricity tolerance 0.10 mm

Axial runout tolerance 0.10 mm

Vibration severity grade Grade A

Connector size 1

Degree of protection IP64

Design acc. to Code I IM B5 (IM V1, IM V3)

Temperature monitoring Pt1000 temperature sensor

Electrical connectors Connectors for signals and power rotatable

Color of the housing Standard (Anthracite RAL 7016)

Holding brake without holding brake

Shaft extension Feather key

Encoder system Encoder AS20DQI: absolute encoder single-turn 20 bits



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Optimum operating point

Optimum speed	2000 rpm
Optimum power	1.9 kW

Limiting data

Max. permissible speed (mech.)	7200 rpm
Max. permissible speed (inverter)	4200 rpm
Maximum torque	35.0 Nm
Maximum current	18.5 A

Recommended Motor Module

Rated inverter current	5 A
Maximum inverter current	15 A
Maximum torque	29.50 Nm