



Figure similar

MLFB-Ordering data

1FK7062-2AC71-1QG0

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) 7.0 Nm

Rated current 2.6 A

Static torque (60 K) 7.10 Nm

Static torque (100 K) 8.5 Nm

Stall current (60 K) 2.45 A

Stall current (100 K) 3.00 A

Moment of inertia 11.200 kgcm²

Efficiency 90.0 %

Physical constants

Torque constant 2.83 Nm/A

Voltage constant at 20° C 180.5 V/1000*min⁻¹

Winding resistance at 20° C 3.59 Ω

Rotating field inductance 45.5 mH

Electrical time constant 12.70 ms

Mechanical time constant 1.51 ms

Thermal time constant 35 min

Shaft torsional stiffness 37000 Nm/rad

Net weight of the motor 9.1 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 Plain shaft

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



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Optimum operating point		Recommended Motor Module	
Optimum speed	2000 rpm	Rated inverter current	3 A
Optimum power	1.5 kW	Maximum inverter current	9 A
Limiting data		Maximum torque	22.90 Nm
Max. permissible speed (mech.)	7200 rpm		
Max. permissible speed (inverter)	3200 rpm		
Maximum torque	26.0 Nm		
Maximum current	10.9 A		