



Figure similar

MLFB-Ordering data

1FK7062-2AC71-1SB0

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	12.200 kgcm ²
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	26500 Nm/rad
Net weight of the motor	10.5 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	KTY84 temperature sensor in the stator winding
Electrical connectors	Connectors for signals and power rotatable
Color of the housing	Standard (Anthracite RAL 7016)
Holding brake	with holding brake
Shaft extension	Feather key
Encoder system	Multi-pole resolver (number of pole pairs corresponds to number of pole pairs of the motor)



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Optimum operating point

Optimum speed	2000 rpm
Optimum power	1.3 kW

Limiting data

Max. permissible speed (mech.)	7200 rpm
Max. permissible speed (inverter)	3200 rpm
Maximum torque	26.0 Nm
Maximum current	10.9 A

Holding brake

Holding brake version	Permanent-magnet brake
Holding torque	13.0 Nm
Power supply voltage	DC 24 V \pm 10 %
Coil current	0.8 A
Opening time	100 ms
Closing time	50 ms
Highest braking work	380 J

Recommended Motor Module

Rated inverter current	3 A
Maximum inverter current	9 A
Maximum torque	22.90 Nm