



Figure similar

MLFB-Ordering data 1FK7062-2AF71-1QH1-Z
J36

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

Engineering data		Mechanical data	
Rated speed (100 K)	3000 rpm	Motor type	Permanent-magnet synchronous motor
Number of poles	8	Motor type	Compact
Rated torque (100 K)	6.0 Nm	Shaft height	63
Rated current	4.0 A	Cooling	Natural cooling
Static torque (60 K)	7.10 Nm	Radial runout tolerance	0.040 mm
Static torque (100 K)	8.50 Nm	Concentricity tolerance	0.10 mm
Stall current (60 K)	4.30 A	Axial runout tolerance	0.10 mm
Stall current (100 K)	5.30 A	Vibration severity grade	Grade A
Moment of inertia	14.300 kgcm²	Connector size	1
Physical constants		Degree of protection	IP65
Torque constant	1.60 Nm/A	Design acc. to Code I	IM B5 (IM V1, IM V3)
Voltage constant at 20° C	102.5 V/1000*min ⁻¹	Temperature monitoring	Pt1000 temperature sensor
Winding resistance at 20° C	1.15 Ω	Electrical connectors	Connectors for signals and power rotatable
Rotating field inductance	14.6 mH	Color of the housing	Standard (Anthracite RAL 7016)
Electrical time constant	12.80 ms	Holding brake	with holding brake
Mechanical time constant	1.49 ms	Shaft end	Plain shaft
Thermal time constant	35 min	Encoder system	Encoder AS20DQI: absolute encoder single-turn 20 bits
Shaft torsional stiffness	26500 Nm/rad		
Net weight of the motor	27.5 kg		
Recommended Motor Module			
Rated inverter current	5 A		
Maximum inverter current	15 A		
Maximum torque	22.10 Nm		



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Gearbox data			
Gearbox type	Planetary gearbox SP+	Moment of inertia of gearbox	2.100 kgcm²
Designation	SP 140S-MF2	Radial output shaft loading, max.	9900 N
Gearbox shaft end	Without feather key	Axial output shaft load, max.	9870 N
Gear ratio + steps	40 (2-step)	Efficiency of gearbox	0.94
Motor speed S3-60 %	6000 rpm	Torsional backlash	5 '
Motor speed S1	2900 rpm	Gearbox weight	17.00 kg
Output torque S1	581 Nm		

Rated output torque at duty type S3-60 % 726 Nm

Special design	
J36	Mounting of SP+ planetary gearbox

Limiting data	
Max. permissible speed (mech.)	7200 rpm
Max. permissible speed (inverter)	5600 rpm
Maximum torque	26.0 Nm
Maximum current	19.2 A

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