



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

1FK7022-5AK21-1PA3

Item no. / :
Consignment no. / :
Project / :

Engineering data / :		Physical constants / :	
Rated speed :	6000 1/min	Torque constant :	0.46 Nm/A
Number of poles :	6	Voltage constant at 20° C :	29.0 V/1000*min ⁻¹
Rated torque (100 K) :	0.6 Nm	Winding resistance at 20° C :	4.20 Ω
Rated motor current :	1.4 A	Rotating field inductance :	9.1 mH
Static torque (60 K) :	0.70 Nm	Electrical time constant :	2.20 ms
Static torque (100 K) :	0.8 Nm	Mechanical time constant :	1.70 ms
Stall current (60 K) :	1.5 A	Thermal time constant :	18 min
Stall current (100 K) :	1.8 A	Shaft torsional stiffness :	3000 Nm/rad
Rotor moment of inertia :	0.0000280 kgm ²	Net weight of the motor :	1.8 kg
Efficiency :	86.0 %		

Mechanical data :		Optimum operating point :	
Design of the motor type :	Compact	Optimum speed :	6000 1/min
Shaft height :	28 mm	Optimum power :	0.4 kW
Sensor design :	Resolver 14 bit	Recommended motor module / :	
Cooling :	Natural cooling		
Holding brake type :	no break		
Shaft end type :	Fitted key and keyway		
Radial runout tolerance :	N	Rated inverter current :	2 A
Vibration severity grade :	Grade A	Maximum inverter current :	5 A
Degree of protection :	IP64	Maximum torque :	2.00 Nm
Design acc. to Code I :	IM B5 (IM V1, IM V3)	<i>Special design /</i>	
Arrangement of electrical connectors :	Connectors for signals and power rotatable		
Color of the housing :	Anthracite RAL 7016		