

Data sheet for SIMOTICS S-1FK7

MLFB-Ordering data 1FK7063-5AF71-1UG3



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)	7.3 Nm	Shaft height	63
Rated current	5.6 A	Cooling	Natural cooling
Static torque (60 K)	9.10 Nm	Radial runout tolerance	0.040 mm
Static torque (100 K)	11.0 Nm	Concentricity tolerance	0.10 mm
Stall current (60 K)	6.60 A	Axial runout tolerance	0.10 mm
Stall current			

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Optimum operating point		Recommended Motor Module	
Optimum speed	3000 rpm	Rated inverter current	9 A
Optimum power	2.3 kW	Maximum inverter current	18 A
Limiting data		Maximum torque	24.50 Nm
Max. permissible speed (mech.)	7200 rpm		
Max. permissible speed (inverter)	6600 rpm		
Maximum torque	35.0 Nm		
Maximum current	28.0 A		