

Data sheet for SIMOTICS S-1FK7



MLFB-Ordering data 1FK7064-4CF71-1PH0

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	6	Motor type	High Dynamic
Rated torque (100 K)	8.0 Nm	Shaft height	63
Rated current	7.6 A	Cooling	Natural cooling
Static torque (60 K)	10.00 Nm	Radial runout tolerance	0.040 mm
Static torque (100 K)	12.00 Nm	Concentricity tolerance	



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Optimum operating point		Recommended Motor Module	
Optimum speed	3000 rpm	Rated inverter current	18 A
Optimum power	2.5 kW	Maximum inverter current	54 A
Limiting data		Maximum torque	32.00 Nm
Max. permissible speed (mech.)	7500 rpm		
Max. permissible speed (inverter)	7500 rpm		
Maximum torque	32.0 Nm		
Maximum current	33.0 A		
Holding brake			
Holding brake version	Permanent-magnet brake		
Holding torque	13.0 Nm		
Power supply voltage	DC 2		

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