

## Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data                      1FL6064-1AC61-0AA1



Figure similar

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

Item no. :  
Consignment no. :  
Project :

Engineering data		Mechanical data	
Rated speed	2000 rpm	Motor type	High Inertia
Rated torque (100 K)	7.16 Nm	Motor type	Permanent-magnet synchronous motor
Rated current	4.6 A		
Rated power	1.50 kW / 2.04 hp	Shaft height	65
Max. speed	3000 rpm	Encoder system	Incremental encoder TTL, 2500 S/R (13 bit)
Maximum torque	21.50 Nm	Cooling	Natural cooling
Max. current	13.8 A	Shaft extension	Feather key
Static torque	8.00 Nm	Radial runout tolerance	Class N
Moment of inertia	15.300 kgcm²	Vibration severity grade	Grade A
Physical constants		Degree of protection	IP65
Torque constant	1.60 Nm/A	Design acc. to Code I	IM B5 (IM V1, IM V3)
Thermal class	B (130 °C)	Connection type	Straight connector (fixed cable outlet direction)
Net weight	8.30 kg		
Ambient conditions			
Ambient temperature			
Operation	0 ... 40 °C		
Relative humidity			
Max. operation	90 % RH maximum (no condensation at 30 °C)		
Standards			
Compliance with standards	CE, EAC		