

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data

1FL6062-1AC61-2LH1



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)	4.78 Nm	Motor type	Permanent-magnet synchronous motor
Rated current	3.0 A	Shaft height	65
Rated power	1.00 kW / 1.36 hp	Encoder system	Absolute encoder 20 bit + 12 bit multi-turn
Max. speed	3000 rpm	Cooling	Natural cooling
Maximum torque	14.30 Nm	Shaft extension	Plain shaft
Max. current	9.0 A	Radial runout tolerance	Class N
Static torque	6.00 Nm	Vibration severity grade	Grade A
Moment of inertia	13.500 kgcm ²	Degree of protection	IP65
Physical constants		Design acc. to Code I	IM B5 (IM V1, IM V3)
Torque constant	1.70 Nm/A	Connection type	Angular connector (rotatable)
Thermal class	B (130 °C)	Holding brake	
Net weight	9.70 kg	Holding torque M_{4Br}	12.00 Nm
Ambient conditions		Rated voltage	24 V DC ± 10 %
Ambient temperature		Opening time	180 ms
Operation	0 ... 40 °C	Closing time	60 ms
Relative humidity		Rated current	1.50 A
Max. operation	90 % RH maximum (no condensation at 30 °C)	Standards	
Standards		Compliance with standards	CE, EAC