

## Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data

1FL6032-2AF21-1LH1



Figure similar

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Engineering data		Mechanical data	
Rated speed	3000 rpm	Motor type	Low Inertia
Rated torque (100 K)	0.64 Nm	Motor type	Permanent-magnet synchronous motor
Rated current	1.4 A	Shaft height	30
Rated power	0.20 kW / 0.27 hp	Encoder system	Absolute encoder 20 bit + 12 bit multi-turn
Max. speed	5000 rpm	Cooling	Natural cooling
Maximum torque	1.91 Nm	Shaft end	Plain shaft
Max. current	4.2 A	Radial runout tolerance	Class N
Static torque	0.64 Nm	Vibration severity grade	Grade A
Moment of inertia	0.245 kgcm <sup>2</sup>	Degree of protection	IP65
<b>Physical constants</b>		Design acc. to Code I	IM B5 (IM V1, IM V3)
		Torque constant	0.48 Nm/A
		Thermal class	B (130 °C)
Net weight	1.50 kg	Connection type	Cable outlet
<b>Ambient conditions</b>		<b>Holding brake</b>	
Ambient temperature		Holding torque $M_{4Br}$	1.27 Nm
Operation	0 ... 40 °C	Rated voltage	24 V DC ±10 %
Relative humidity		Opening time	75 ms
Max. operation	90 % RH maximum (no condensation at 30 °C)	Closing time	10 ms
<b>Standards</b>		Rated current	0.30 A
		Compliance with standards	CE, EAC