

## Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data

1FL6024-2AF21-1MA1



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)	0.32 Nm	Motor type	Permanent-magnet synchronous motor
Rated current	1.2 A	Shaft height	20
Rated power	0.10 kW / 0.14 hp	Encoder system	Absolute encoder single-turn 21 bit
Max. speed	5000 rpm	Cooling	Natural cooling
Maximum torque	0.96 Nm	Shaft extension	Feather key
Max. current	3.6 A	Radial runout tolerance	Class N
Static torque	0.32 Nm	Vibration severity grade	Grade A
Moment of inertia	0.052 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	0.29 Nm/A
		Thermal class	B (130 °C)
Net weight	0.63 kg	Connection type	Cable outlet
<b>Ambient conditions</b>			
<b>Ambient temperature</b>			
Operation	0 ... 40 °C		
<b>Relative humidity</b>			
Max. operation	90 % RH maximum (no condensation at 30 °C)		
<b>Standards</b>			
Compliance with standards	CE, EAC		