

## Data sheet for SIMOTICS S-1FL6



Figure similar

MLFB-Ordering data

1FL6054-2AF21-0AA1

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)	6.37 Nm	Motor type	Permanent-magnet synchronous motor		
Rated current	11.6 A	Shaft height	50		
Rated power	2.00 kW / 2.72 hp	Encoder system	Incremental encoder TTL, 2500 S/R (13 bit)		
Max. speed	5000 rpm	Cooling	Natural cooling		
Maximum torque	19.10 Nm	Shaft extension	Feather key		
Max. current	34.8 A	Radial runout tolerance	Class N		
Static torque	6.37 Nm	Vibration severity grade	Grade A		
Moment of inertia	2.620 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	0.55 Nm/A	Connection type	Straight connector (fixed cable outlet direction)
		Thermal class	B (130 °C)		
Net weight	6.56 kg	<b>Ambient conditions</b>			
<b>Ambient conditions</b>		Ambient temperature			
Operation		0 ... 30 °C			
<b>Relative humidity</b>		Max. operation			
		90 % RH maximum (no condensation at 30 °C)			
<b>Standards</b>		Compliance with standards			
		CE, EAC			