

## Data sheet for SIMOTICS S-1FL6



Figure similar

MLFB-Ordering data

1FL6062-1AC61-2AG1

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	Incremental encoder TTL, 2500 S/R (13 bit)		
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	15.300 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	1.70 Nm/A	Connection type	Angular connector (rotatable)
		Thermal class	B (130 °C)		
Net weight	8.30 kg				
<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				