

## Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data

1FL6042-2AF21-1MG1



Figure similar

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

### Engineering data

Rated speed	3000 rpm
Rated torque (100 K)	2.39 Nm
Rated current	4.7 A
Rated power	0.75 kW / 1.02 hp
Max. speed	5000 rpm
Maximum torque	7.20 Nm
Max. current	14.2 A
Static torque	2.39 Nm
Moment of inertia	0.897 kgcm <sup>2</sup>

### Physical constants

Torque constant	0.51 Nm/A
Thermal class	B (130 °C)
Net weight	2.80 kg

### Ambient conditions

#### Ambient temperature

Operation	0 ... 40 °C
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#### Relative humidity

Max. operation	90 % RH maximum (no condensation at 30 °C)
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### Standards

Compliance with standards	CE, EAC
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### Mechanical data

Motor type	Low Inertia
Motor type	Permanent-magnet synchronous motor
Shaft height	40
Encoder system	Absolute encoder single-turn 21 bit
Cooling	Natural cooling
Shaft end	Plain shaft
Radial runout tolerance	Class N
Vibration severity grade	Grade A
Degree of protection	IP65
Design acc. to Code I	IM B5 (IM V1, IM V3)
Connection type	Cable outlet