SIEMENS

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data **1FL6042-2AF21-1MA1**



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 kgcm²

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

Relative humidity

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

Standards

Compliance with standards	CE, EAC

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 extension	Feather key
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

Technical data are subject to change! There may be discrepancies between calculated and rating plate values.