SIEMENS

Data sheet for SIMOTICS S-1FL6

MLFB-Ordering data 1FL6032-2AF21-1AA1



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)	0.64 Nm
Rated current	1.4 A
Rated power	0.20 kW / 0.27 hp
Max. speed	5000 rpm
Maximum torque	1.91 Nm
Max. current	4.2 A
Static torque	0.64 Nm
Moment of inertia	0.214 kgcm²

Physical constants

Torque constant	0.48 Nm/A
Thermal class	B (130 °C)
Net weight	1.02 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	30
Encoder system	Incremental encoder TTL, 2500 S/R (13 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.