

## Data sheet for SIMOTICS S-1FL6

Article No. : 1FL6024-2AF21-1AA1



Figure similar

Client order no. :  
Order no. :  
Offer no. :  
Remarks :

Item no. :  
Consignment no. :  
Project :

### Engineering data

Rated speed	3,000 rpm
Rated torque (100 K)	0.32 Nm
Rated current	1.2 A
Rated power	0.10 kW / 0.14 hp
Max. speed	5,000 rpm
Maximum torque	0.96 Nm
Max. current	3.6 A
Static torque	0.32 Nm
Moment of inertia	0.052 kgcm <sup>2</sup>

### Physical constants

Torque constant	0.29 Nm/A
Thermal class	B (130 °C)
Net weight	0.60 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	20
Encoder system	Incremental encoder TTL, 2500 S/R (13 bit)
Cooling	Natural cooling
Shaft end	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