

Data sheet for SIMOTICS S-1FL6



Figure similar

MLFB-Ordering data

1FL6064-1AC61-2AB1

Client order no. :

Item no. :

Order no. :

Consignment no. :

Offer no. :

Project :

Remarks :

Engineering data		Mechanical data			
Rated speed	2000 rpm	Motor type	High Inertia		
Rated torque (100 K)	7.16 Nm	Motor type	Permanent-magnet synchronous motor		
Rated current	4.6 A	Shaft height	65		
Rated power	1.50 kW / 2.04 hp	Encoder system	Incremental encoder TTL, 2500 S/R (13 bit)		
Max. speed	3000 rpm	Cooling	Natural cooling		
Maximum torque	21.50 Nm	Shaft end	Feather key		
Max. current	13.8 A	Radial runout tolerance	Class N		
Static torque	8.00 Nm	Vibration severity grade	Grade A		
Moment of inertia	16.400 kgcm ²	Degree of protection	IP65		
Physical constants		Design acc. to Code I	IM B5 (IM V1, IM V3)		
		Torque constant	1.60 Nm/A	Connection type	Angular connector (rotatable)
		Thermal class	B (130 °C)	Holding brake	
Net weight	11.50 kg				
Ambient conditions		Holding torque M_{4Br}	12.00 Nm		
		Ambient temperature	0 ... 40 °C	Rated voltage	24 V DC 10 %
Relative humidity		Opening time	180 ms		
		Max. operation	90 % RH maximum (no condensation at 30 °C)	Closing time	60 ms
Standards		Rated current	1.50 A		
		Compliance with standards	CE, EAC		



Figure similar

Article No. : 1FL6064-1AC61-2AB1

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

Item no. :
Consignment no. :
Project :

Engineering data

Rated speed	2,000 rpm
Rated torque (100 K)	7.16 Nm
Rated current	4.6 A
Rated power	1.50 kW / 2.04 hp
Max. speed	3,000 rpm
Maximum torque	21.50 Nm
Max. current	13.8 A
Static torque	8.00 Nm
Moment of inertia	16.400 kgcm ²

Physical constants

Torque constant	1.60 Nm/A
Thermal class	B (130 °C)
Net weight	11.50 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	High Inertia
Motor type	Permanent-magnet synchronous motor
Shaft height	65
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	Angular connector (rotatable)

Holding brake

Holding torque M_{4Br}	12.00 Nm
Rated voltage	24 V DC 10 %
Opening time	180 ms
Closing time	60 ms
Rated current	1.50 A