



Figure similar

**Article No. :** 1FL6094-1AC61-2LB1

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

Item no. :  
Consignment no. :  
Project :

### Engineering data

Rated speed	2,000 rpm
Rated torque (100 K)	23.90 Nm
Rated current	12.6 A
Rated power	5.00 kW / 6.80 hp
Max. speed	2,500 rpm
Maximum torque	70.00 Nm
Max. current	36.9 A
Static torque	30.00 Nm
Moment of inertia	99.700 kgcm <sup>2</sup>

### Physical constants

Torque constant	2.00 Nm/A
Thermal class	B (130 °C)
Net weight	30.00 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
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### Mechanical data

Motor type	High Inertia
Motor type	Permanent-magnet synchronous motor
Shaft height	90
Encoder system	Absolute encoder 20 bit + 12 bit multi-turn
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 $M_{4Br}$	30.00 Nm
Rated voltage	24 V DC 10 %
Opening time	220 ms
Closing time	115 ms
Rated current	1.90 A