

SIEMENS

SIMOTICS M-1FE1 synchronous built-in motor



Figure similar

MLFB-Ordering data1FE1082-6WE11-6BD0

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

Item no. :
Consignment no. :
Project :

Engineering data		Mechanical data	
Rated power	11.6 kW	Motor length	195 mm
Rated speed	1700 rpm	Outer diameter stator	190.0 mm
Rated torque	65.0 Nm	Inner diameter rotor	80.0 mm
Rated current	24 A	Stator design	with cooling jacket
Static torque	65.00 Nm	Rotor design	with rotor sleeve (large bore diameter)
Static current	24.00 A	Motor protection	Cast winding with standard protection (2 temperature sensors)
Maximum speed	8000 rpm	Temperature monitoring	Pt1000 temperature sensor in the stator winding
Maximum torque	107.0 Nm	Cable outlet	free cable ends 1500 mm (cable outlet at the larger outside housing diameter)
Maximum current	48 A	Scope of delivery	Stator + Rotor
Rotor moment of inertia	160.4 kgcm²		
VPM module *	Voltage limitation required (VPM or IVP), if the motor is used above n_max_inv (maximum permissible speed without VPM)		
Physical constants			
Voltage constant at 20° C	182.0 V/1000*min ⁻¹		
Winding resistance at 20° C	0.7500 Ω		
Rotary field inductance	11.80 mH		
Thermal time constant	2 min		
Net weight of rotor	6.1 kg		
Net weight of stator	12.0 kg		
Total net weight	18.1 kg		

* VPM: Voltage Protection Module