

SIEMENS

SIMOTICS M-1FE1 synchronous built-in motor



Figure similar

MLFB-Ordering data1FE1082-6WE31-3WD3

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	-/-
Rated torque	65.0 Nm	Inner diameter rotor	80.0 mm
Rated current	24 A	Stator design	-/-
Static torque	65.00 Nm	Rotor design	with rotor sleeve (large bore diameter)
Static current	24.00 A	Motor protection	Cast winding with full protection (2 temperature sensors + 3 PTCs)
Maximum speed	8000 rpm	Temperature monitoring	-/-
Maximum torque	107.0 Nm	Cable outlet	free cable ends 500 mm (cable outlet at the smaller outside housing diameter)
Maximum current	48 A	Scope of delivery	Single part (rotor only)
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	-/-		
Total net weight	6.1 kg		

* VPM: Voltage Protection Module