

Inquiry DC – Partial Motor



Company: _____ Contact person: _____
 Phone: _____ Fax: _____
 e-mail: _____ Date: _____

Type: DC / /

Stator Rotary Left Right		D1 [mm]	D2 [mm]	D3 [mm]	D4 [mm]	WK1 [mm]	WK2 [mm]	L _{fe} [mm]	L _k [mm]		
		U1 [mm ²]	V1 [mm ²]	W1 [mm ²]	U2 [mm ²]	V2 [mm ²]	W2 [mm ²]				
		Max. cable diameter [mm]:									
		Number of pole stator:									

Rotor						
Magnet design	Outer-∅ [mm]	Inner-∅ [mm]	Length [mm]	Ring magnet	Ring segment	Rectangle segment
Magnet material: _____ Kind of magnetization: _____ Number of pole rotor: _____						
Magnet carrier <input type="checkbox"/>	Outer-∅ [mm]	Inner-∅ [mm]	Length [mm]	Remark:		
Solid <input type="checkbox"/>	Laminated <input type="checkbox"/>	If no carrier: soft magnetic shaft material <input type="checkbox"/>		Material:		
Rotor armouring <input type="checkbox"/>	Outer-∅ [mm]	Inner-∅ [mm]	Length [mm]	Remark:		
Peripheral speed: [m/s]: _____ Press fit to Magnet [µm]: _____ Material: _____						
Sensor system <input type="checkbox"/>	Execution:					
Sensor type: _____ Number: _____ Sensor angle to winding phase [°]: _____						

Kind of controlling		
120° Rectangle voltage <input type="checkbox"/>	180° Rectangle voltage <input type="checkbox"/>	Sinussoidal voltage <input type="checkbox"/>
pulsed controlling <input type="checkbox"/>	Pulse frequency [Hz]: _____	Pulse pattern: _____

Colling: No Cooling Air Cooling Pressed Air Cooling Oil Cooling Water Cooling
 Winding Protection: PTC 130°C KTY 84 – 130 Thermoswitch 130°C PT 100 Thermocouple
 Insulation class: Winding Cable
 Housing Material: Aluminium Steel

Field angle in maximum torque

Voltage [V]	Current [A]	Frequency [Hz]	Speed [1/min]	Power [W]	Max. Power [W]	Torque [Nm]

The specified values are true for sinusoidal supply motor voltage and sinusoidal motor current and have to be corrected after sampling. In case of frequency converter operation the first harmonic voltage (RMS value) must correspond to the declared motor voltage. Additional the motor current can be more than the declared data because of current harmonics.