

Brushless DC motor

with integrated CANopen interface

Properties:

- Control: Integrated commutation electronics
Rotor position sensing using 3 hall sensors.
Analog nominal value or CAN bus (CANopen, Drive Profile DSP-402)
- Rotor: 4-pole neodymium magnet, slight detent torque due to continual angular magnetization (no grades) until 20,000 h, S1 duty
- Service life: until 20,000 h, S1 duty
- Insulation mat. class: B, optional F
- System of protection: IP 44, optional up to IP 65.
- Special model: upon request
- Options: Thermal protection, special shafts, special flanges, brake, custom designed



Type	Name	U	Volt DC	MCN 763		
	Nominal voltage			230V/50Hz		
Rate	Nominal power	P ₂	W	100		
	Nominal speed	n _{nom}	rpm	3000		
	Nominal torque	T _{nom}	Ncm	32		
	Starting torque	T _S	Ncm	64		
	Nominal current	I _{nom}	A	1.0		
Characteristics						
Connection	Rated input power	P ₁	W	130		
Dynamics	Weight	m	kg	2.9		
	Moment of inertia	J	gcm ²	580		
Thermal	Adm. ambient temperature	T _a	°C	-20 to +40		
	Max. adm. stator temperature	T _{max}	°C	+120		
Coupling	Shaft diameter	d	mm	10		
	Max. axial force	F _a	N	40		
	Max. radial force	F _r	N	400		

Dimensions

Type	L / mm	□
MCN 763	193	75

System technology			
Recommended combination other gears and extensions upon request	Worm gear	S 668	
	Spur gear	M 7	
	Planetary gear	PM 60	
	Rotary encoder	RV 30	RI 30
	Brake	B 77	