

DC motor with integrated CANopen interface

Properties:

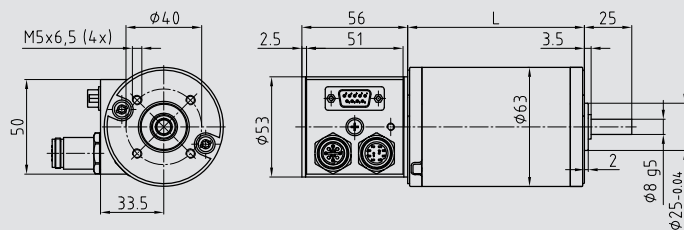
- Integrated speed controller, control via analog nominal value or CAN bus (CANopen, Drive Profile DSP-402)
- Commutation: Mechanical commutation using a 12-part commutator
- Magnetic system: 2-pole permanent ferrite magnet
- Service life: 3,000 h, S1 duty
- Insulation mat. class: B, optional F
- System of protection: IP 40, optional IP 54
- Special model: Design for short-time operation with high performance, additional speeds upon request
- Options: Special shafts, custom designed



Type	Name			PC 6325	PC 6355		
	Nominal voltage	U	Volt DC	24	24		
Rate	Nominal power	P ₂	W	44	85		
	Nominal speed	n _{nom}	rpm	3000	3000		
	Nominal torque	T _{nom}	Ncm	14	27		
	Starting torque	T _S	Ncm	30	60		
	Nominal current	I _{nom}	A	2.6	4.7		
Characteristics	Nominal efficiency	η		0.67	0.71		
Connection	Terminal resistance	R	Ohm				
	Rated input power	P ₁	W	62	113		
Dynamics	Weight	m	kg	1.1	1.6		
	Moment of inertia	J	gcm ²	563	1020		
	Mech. time constant	τ _M	ms	27	20		
Thermal	Adm. ambient temperature	T	°C	-20 to +40	-20 to +40		
	Max. adm. rotor temperature	T _{max}	°C	+120	+120		
Coupling	Shaft diameter	d	mm	8	8		
	Max. axial force	F _a	N	20	20		
	Max. radial force	F _r	N	220	220		

Dimensions

Type	L / mm
PC 6325	93,5
PC 6355	123,5



System technology

Recommended combinations other gears and extensions upon request	Worm gear	GS 3		
	Spur gear	Z 6	Z 8	M 7
	Planetary gear	PM 50		
	Rotary encoder	upon request		
	Brake	upon request		