

Commissioning Checklist - DC motors accordance with NEMA-MG 1 and IEC/EN

Inspection points		Chapter	OK	Comment
All measures to prevent moving or live parts being touched have been put in place		3.2		
Protective measures have been put in place to prevent the shaft end being touched		3.3		
The controller and speed monitoring system meet the specifications		4.2		
The system has been installed properly		6.2		
Routing of cooling air has not been impaired		6.2		
The motor has been installed and balanced according to the specifications		6.3/6.5		
The minimum insulation resistances have been complied with (min. 1 MΩ)		6.4		
The output elements meet the specifications regarding axial position, alignment, and balancing		6.6/6.7		
The motor has been connected as per the prescribed direction of rotation		7.2		
All fixing screws and connecting elements, as well as the electrical connections, have been tightened to the predefined torque		7.2		
The additional equipment present, such as the temperature monitoring system or space heater, has been connected and is functioning		7.3		
The ground and equipotential bonding connections have been established properly		7.4		
If running is fine, the motor has been loaded		8.2		
Values for voltage, current, and output have been recorded		8.2		
Running smoothness has been inspected		9.2		
Appropriate measures for light-load operation ($I < 0.5I_N$) have been taken		9.3		
The carbon brushes are freely movable in the brush holder		11.3.2		
All brush holders have a uniform spring pressure		11.3.2		
Option	If present, the external fan is ready for operation and has been connected as per the prescribed direction of rotation	7.3.3		Observe the operating instructions of the external fan manufacturer.
	If present, the brake has been checked for perfect functioning	7.3.4		Observe the operating instructions of the brake manufacturer.
	If a transmission is present, the oil level has been checked against the manufacturer's specifications			Observe the operating instructions of the transmission manufacturer.
Where possible, corresponding values for the driven machine have been recorded				
Other comments:				
Date:		Name:		Signature: