DC Brush Motor

MDC-26

DC Brush Motor

A brushed DC motor is an internally commutated electric motor designed to be run from a direct current power source. Brushed DC motors can be varied in speed by changing the operating voltage or the strength of the magnetic field. Brushed motors continue to be used for pumps, robotics, medical applications and power tools.
Temperature range -20˚C ÷ +70˚C.

Specifications

Motor Data

Parameters	Units	Values	Tolerances
Supply Voltage	VDC	19	±0.5
Terminal Resistance	Ω	2.6	±12%
Inductance	mH	1.5	±30%
No-Load Speed of Rotation	RPM	8,900	±10%
No-Load Current	A	0.5	max
Continuous torque	Nm	0.022	nom.
Speed of Rotation @ cont. torque	RPM	7,400	min
Current @ cont. torque	A	1.7	max
Torque Constant	Nm/A	0.013	min
Peak Torque	Nm	0.11	min
Peak Current	A	8.5	max
Windings Temperature	˚C	150	max
Weight	Kg	0.15	max
Direction of Rotation (view on shaft)	-	CCW	"+" Red "-" Black

Encoder Data (optional)

1. Incremental encoder
2. Full turn (360˚) contactless Encoder
3. Two quadrature A/B outputs with 16 pulse per revolution

Doc. # 301275 Rev. A (01/2015)

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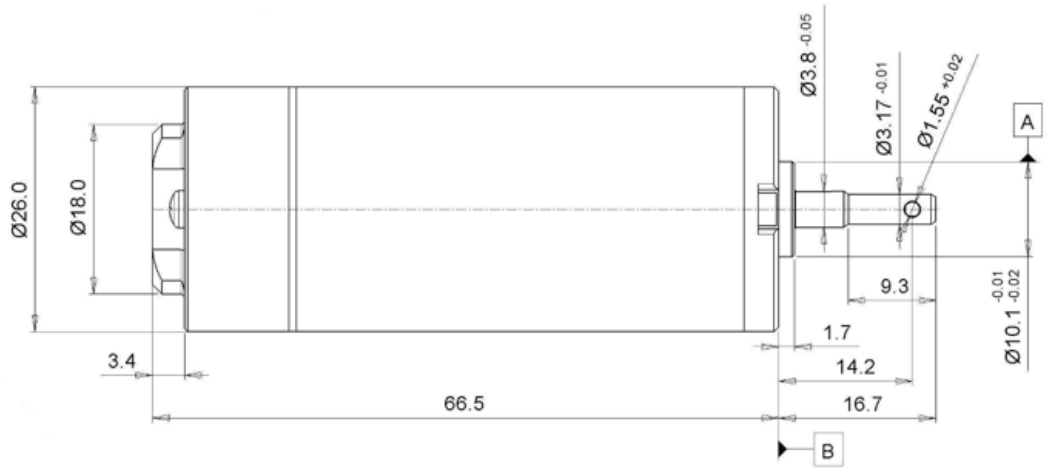
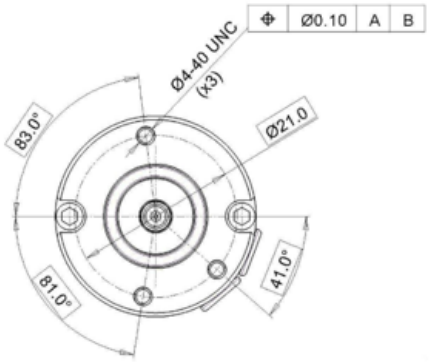
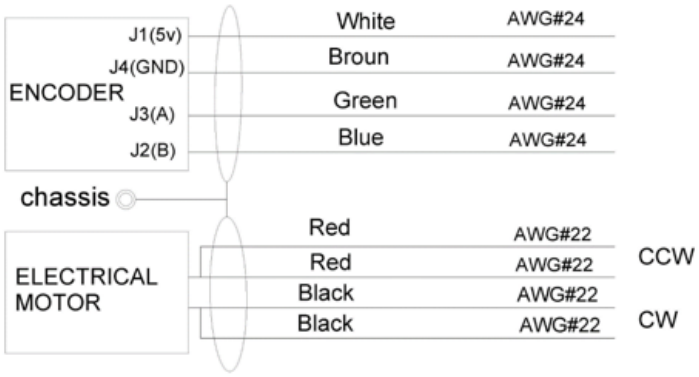




ELECTRICAL SCHEMA



For Additional Information

To learn more about the MDC-26 DC Brush Motor Control Manifold or other MTC products, contact MTC on **+972 4 998 7772** or email **marketing@mtcind.com**

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