

MINIMOTOR - DBS BRUSHLESS SERVOMOTORS WITH INTEGRATED DRIVE

DBS 55/50
24/48V dc 3000rpm 0.4Nm 125W

- Efficient and compact
- Saves separate cable runs
- Up to 2.1Nm
- Open Bus protocols
- Reduce machine build components



PRODUCT DESCRIPTION

MOTOR: Brushless 4-pole three-phase sinusoidal motor, totally enclosed. Rotor with NdFeB magnets. Thermal cutoff. Winding Class F. Thermal cutoff. Protection IP65 in compliance with IEC/EN 60529 standards. Bearings with reduced backlash and special grease for high temperatures.

Rated torque up to 2.1 Nm.

DRIVE: Power 24 and/or 48 Vdc • Magnetic absolute encoder SSI (12bit single-turn / 20bit multi-turn) with internal buffer battery • 5 PNP digital inputs and 1 analogue input -10 +10V ext. (0-5 or 4-20mA optional) • 1 relay output (NC-NO) • USB port for parametrisation • Torque, speed, position and homing control.

All the models are implemented with the new "open" platform, which permits configuration with the following primary protocols: CanOpen, Ethercat, Modbus, Ethernet/IP, Profinet, Powerlink.

[Please click here for 2D and 3D drawings.](#)

TECHNICAL DATA

GENERAL DATA

Nominal speed	3000 rpm
Nominal torque	0,4 Nm
Input voltage dc	24/48 Vdc
Digital inputs	2 pnp (24Vdc, 500kHz) , 3 pnp (24Vdc, 7kHz)
Outputs	1 NO 2A (42 Vdc)
Output power	125 W
Rated current	8A@24V/4.2A@48V A
Nominal overload	200% x 60 sec

