

MINIMOTOR MCDBS-S3 BRUSHLESS SERVOMOTORS WITH WORM GEARBOX

Intermittent Periodic Duty

MCDBS-S3 55/50-5 B3
24/48V dc 600rpm 1.4 Nm B3 mount

- Efficient and compact
- Saves separate cable runs
- Up to 13nm rated torque
- Open Bus protocol
- Reduce machine build components



PRODUCT DESCRIPTION

TECHNICAL DATA

GENERAL DATA

Nominal speed	600 rpm
Nominal torque	1,4 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
Motor control algorithm	Sinusoidal brushless with 12Bit single-turn / 20Bit multi-turn absolute encoder
Nominal output frequency carrier	4/8/12 kHz
Electronic brake output	24Vdc, max 0.5A
Ambient temperature	-10 ... +40°C

SAFETY FEATURES

IP class	IP65
CE approved	Yes
Over voltage protection	Yes
Under voltage protection	Yes

Overheat protection	Yes
Memory error protection	Yes
Polarity reverse protection	Yes
Overcurrent protection	Yes
Communication error protection	Yes
Overload protection	Yes

COMMUNICATION

Communication	USB
Ethercat	Yes
CanOpen	Yes
ProfiNET	Yes
Ethernet IP	Yes
Modbus RTU	Yes
PowerLink	Yes
Ratio	5:1