

## 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

4967_Rated current (A)	8A@24V/4.2A@48V
Ambient temperature	-10 ... +40°C
CanOpen	Yes
CE approved	Yes
Communication	USB
Communication error protection	Yes
Digital inputs	2 pnp (24Vdc, 500kHz) , 3 pnp (24Vdc, 7kHz)
Electronic brake output	24Vdc, max 0.5A
Ethercat	Yes
Ethernet IP	Yes
Input voltage dc	24/48 Vdc
IP class	IP65
Memory error protection	Yes
Modbus RTU	Yes
Motor control algorithm	Sinusoidal brushless with 12Bit single-turn / 20Bit multi-turn absolute encoder
Nominal output frequency carrier	4/8/12 kHz
Nominal overload	200% x 60 sec
Nominal speed	600 rpm
Nominal torque	1.4

<b>Output power</b>	125 W
<b>Outputs</b>	1 NO 2A (42 Vdc)
<b>Over voltage protection</b>	Yes
<b>Overcurrent protection</b>	Yes
<b>Overheat protection</b>	Yes
<b>Overload protection</b>	Yes
<b>Polarity reverse protection</b>	Yes
<b>PowerLink</b>	Yes
<b>ProfiNET</b>	Yes
<b>Ratio</b>	5:1
<b>Under voltage protection</b>	Yes