

## MINIMOTOR DBS-S3 BRUSHLESS SERVOMOTOR WITH INTEGRATED DRIVE

Intermittent periodic duty

DBS-S3 55/50  
 24/48 Vdc, 3000rpm, 0.4nm, 125W

- Efficient and compact
- Saves separate cable runs
- Up to 2.1nm rated torque
- Open Bus protocols
- 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	3000 rpm

<b>Nominal torque</b>	0.4
<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>Under voltage protection</b>	Yes