

## MINIMOTOR PCDBS BRUSHLESS SERVOMOTORS WITH WORM GEARBOX

PCDBS 55/50-5-B3  
 24/48 Vdc, 600rpm, 1.4nm, B3 mount

- Efficient and compact
- Saves separate cable runs
- up to 18.09nm rated torque
- Open Bus protocols
- Reduce machine build components



### PRODUCT DESCRIPTION

### TECHNICAL DATA

<b>Ambient temperature</b>	-10 ... +40°C
<b>CanOpen</b>	Yes
<b>CE approved</b>	Yes
<b>Communication</b>	USB
<b>Communication error protection</b>	Yes
<b>Digital inputs</b>	2 pnp (24Vdc, 500kHz) , 3 pnp (24Vdc, 7kHz)
<b>Electronic brake output</b>	24Vdc, max 0.5A
<b>Ethercat</b>	Yes
<b>Ethernet IP</b>	Yes
<b>Input voltage dc</b>	24/48 Vdc
<b>IP class</b>	IP65
<b>Memory error protection</b>	Yes
<b>Modbus RTU</b>	Yes
<b>Motor control algorithm</b>	Sinusoidal brushless with 12Bit single-turn / 20Bit multi-turn absolute encoder
<b>Nominal output frequency carrier</b>	4/8/12 kHz
<b>Nominal overload</b>	200% x 60 sec
<b>Nominal speed</b>	600 rpm
<b>Nominal torque</b>	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>Rated current</b>	8A@24V/4.2A@48V
<b>Ratio</b>	5:1
<b>Under voltage protection</b>	Yes