

PRÄZISION IN BEWEGUNG

Motor Controller E65



1. Technical Data Motor Controller E65

Name	Value
Power	
- Electronic supply voltage Ue	9..30 V
- Electronic current consumption @ Ue=24V (Bus not connected)	typ. 55 mA
- Power supply voltage Up	9..60 V
- Max. output current	15 A
- Continuous output current @ Up=24V*2	5 A
- Continuous output current @ Up=48V*2	4.3 A
- Output voltage	100% Up
- PWM frequency	25, 32*1, 50 kHz
- PWM mode	symmetrical / asymmetrical
- Min. load inductance	200 uH
Motor types	
- DC motors	yes
- BLDC motors	yes
- Linear motors	yes
- Stepper motors	no
Mechanical	
- Size LxWxH	74 x 45.5 x 36 mm
- Weight	65 g
- Assembly	Wall
- Connectors	Crimp technology
Environment	
- Protection class	IP20
- Operating temperature	0..40 °C
- Rel. humidity (non-condensing)	5..85 %
Control elements	
- Hex switches	no
- Status LEDs	yes
Controller cycle times	
- Current controller (CURR)	125 us
- Velocity controller (SVEL)	250 us
- Velocity controller (VEL)	1000, 2000*1 us
- Position controller (POS)	1000, 2000*1 us

Incremental encoder	
- Type	incremental
- Signals	A,B,Inx
- Max. frequency (per channel)	100 kHz
- Input voltage	5 V
- Signal type	open collector, single ended
Hall sensors	
- Signals	H1,H2,H3
- Max. frequency (per channel)	10 kHz
- Input voltage	5 V
- Signal type	open collector, single ended
Digital inputs	
- Number	3 (Din0..2)
- Low voltage	-10..5 V
- High voltage	6..30 V
- Notice	Din2 parallel with Dout0
Digital outputs	
- Number	1 (Dout0)
- Continuous output current	1.5 A
- Load	resistive, inductive
- Output voltage	Electronic supply voltage Ue
- Signal type	positive switching
- Notice	Dout0 parallel with Din2
Analog inputs	
- Number	1 (Ain0)
- Signal type	+/- 10 V, 12 Bit, single ended
CAN bus	
- Protocol	DS301
- Device profile	DS402
- Max. baudrate	1 Mbit/s
- CAN specification	2.0B
- Galvanically isolated	no
CAN bus	
- Protocol	DS301
- Device profile	DS402
- Max. baudrate	1 Mbit/s
- CAN specification	2.0B
- Galvanically isolated	yes



PRÄZISION IN BEWEGUNG

GEFEG-NECKAR
Antriebssysteme GmbH
Industriestraße 25-27
D-78559 Gosheim

Tel. +49 (0) 74 26 / 608-0
Fax +49 (0) 74 26 / 608-410

www.gefeg-neckar.de
info@gefeg-neckar.de