

Positioning controllers (BG1 + 2) CDE3000 2.2 to 4.0 A CDB3000 0.375 to 0.75 kW



CDE/CDB3 ☐. ☐ ☐ ☐ , ☐ x ☐ x ☐ , ... ☐ ☐

Technical
data

Cooling method

Variant

For complete ordering data please refer to the following tables.

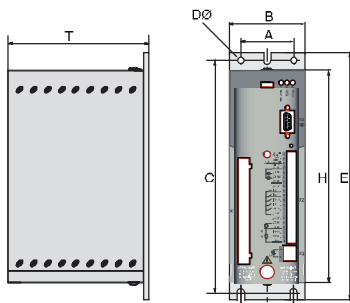
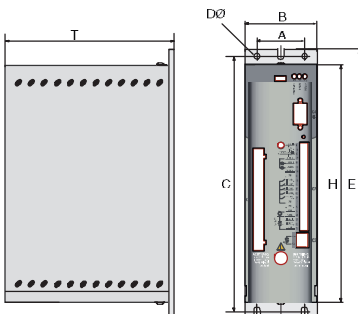
Type CDB-32.004,C

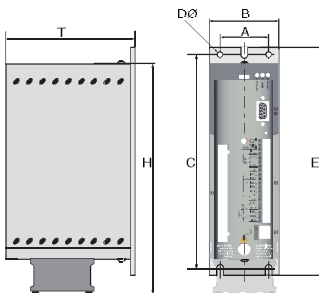
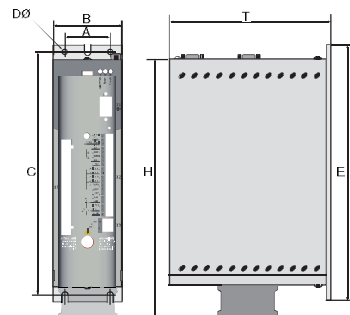
Order code

Tech. data ¹⁾	CDE/CDB32.003	CDE/CDB32.004	CDE/CDB34.003
Output, motor side			
Recommended rated power with 4-pole standard motor	0.375 kW	0.75 kW	0.75 kW
Voltage	3 x 0 ... 230 V		3 x 0 ... 400/460 V
Effective rated current (I _N at 4/8 kHz)	2.4 A ²⁾	4.0 A ²⁾	2.2 A ²⁾
Peak current	see table on page 2-3		
Rotating field frequency	0 ... 400 Hz		
Switching frequency of power stage	4, 8, 12, 16 kHz (factory setting 8 kHz)		
Input, mains side			
Mains voltage	1 x 230 V		3 x 400 V / 460 V
Device connected load	1.0 kVA	1.6 kVA	1.5 kVA
Asymmetry of mains voltage	-	-	±3 % max.
Frequency	50/60 Hz ±10 %		
Power loss (4 / 8, 12, 16 kHz)			
CDE3000	49 / 52 W	63 / 70 W	90 / 97 W
CDB3000	30 / 35 W	48 / 55 W	55 / 70 W
Braking chopper power electronics			
Minimum ohmic resistance of an externally installed braking resistor	100 Ω	100 Ω	180 Ω

¹⁾ all data apply
to 1-phase units at 230 V
to 3-phase units at 400 V

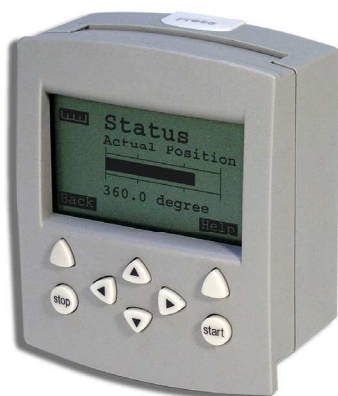
²⁾ For detailed current data relating to differing supply voltages and higher switching frequencies see table on page 2-3

Cooling method	CDB32.003, C x.x	CDB32.004, C x.x	CDB34.003, C x.x
Cooling air temperature	45 °C (at 4 kHz power stage switching frequency)		40 °C
Weight	1.6 kg		2.3 kg
Single mounting	-	Additional cooling via mounting plate (unpainted) of 0.065 m ²	-
End-to-end mounting of several positioning controllers	-	with accessories HS32.1BR, HS32.100	-
Dimensions	BG1 [mm]		BG2 [mm]
B (width)	70		70
H (height)	193		218
T (depth)	120		145
A	50		50
C	205		230
E	215		240
DØ	Ø 4.8		Ø 4.8
Dimensional drawings			

Cooling method	CDE32.003, C x.x	CDE32.004, C x.x	CDE34.003, C x.x
Cooling air temperature	45 °C (at 4 kHz power stage switching frequency)		45 °C
Weight	1.6 kg		2.3 kg
Single mounting	-	Additional cooling via mounting plate (unpainted) of 0.065 m ²	-
End-to-end mounting of several positioning controllers	-	with accessories HS32.1BR, HS32.100	-
Dimensions	BG1 [mm]		BG2 [mm]
B (width)	70		70
H (height)	220		245
T (depth)	120		145
A	50		50
C	230		230
E	215		240
DØ	Ø 4.8		Ø 4.8
Dimensional drawings			



Operator control modules



KP 300 - XX

KEYPAD

Series

Variant

KP300

Order code

Order designation

Summary

KP300

KeyPad with graphical display (128 x 64 pixels) for parameter setting, actual value display and serial commissioning of positioning controllers. Graphical display including device status and parameter texts. Language: German or English (configurable). The KeyPad supports the SmartCard "SC-XL".

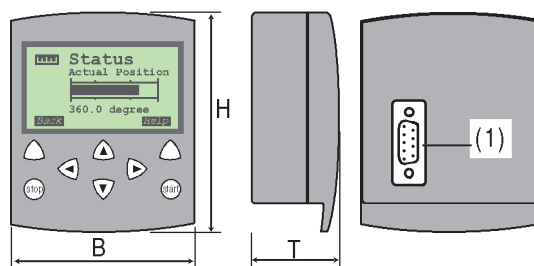
Mechanism KP300

Dimensions (see figure) 70 x 84 x 37 mm (B x H x T)

Weight 120 g

Connection (RS232)

Standard (1) Can be plugged directly into drive unit



SmartCard memory card



SC-XX

SMARTCARD

Memory version

Order designation	Summary
SC-XL	The data set of the positioning controller can be stored and easily transferred to other positioning controllers. Suitable for KP300.

System layout	Explanation
	(1) Terminal X4 for operator control modules or PC port (RS232 interface) (2) SC-XL chip card (3) Operator control module KP300 (4) PC with DriveManager user software