

SIEMENS

Product data sheet

6AU1432-2AA00-0AA0


Fig. similar

SIMOTION DRIVE-BASED CONTROLLER
EXTENSION CX32-2;
INVERTER CONTROL MODULE;
TO INCREASE DRIVE COUNT ON SIMOTION D4X5-
2;
INTERFACES: 6 DI, 4 DI/DO, 4 DRIVE-CLIQ

product brand name	SIMOTION
Product-type designation	CX32-2
Version of the motion control system	Controller Extension
Integrated drive control	
Maximum number of axes for integrated drive control	
• servo	6
• vector	6
• V/f	12
• note	Alternative control modes; drive control based on SINAMICS S120 CU320-2, firmware version V4.x
Communications	
Interfaces	4
General technical data	
Fan	No fan
Supply voltage	

• rated value	24 V
Making current, typ.	1.6 A
Power loss, typ.	7 W
Ambient temperature	
• during long-term storage	-25 ... +55 °C
• during transport	-40 ... +70 °C
• during operating	0 ... 55 °C
• note	Maximum installation altitude 4000 m above sea level. Above an altitude of 2000 m, the maximum ambient temperature decreases by 7 °C per 1000 m.
Relative humidity / without condensation	
• during operating phase	5 ... 95 %
Air pressure	620 ... 1060 hPa
Protection class IP	IP20
Dimensions	380 mm
Dimensions	25 mm
Depth	270 mm
• remark	when the spacer is removed 230 mm deep
Weight, approx.	2600 g
Digital inputs	
Number of digital inputs	6
DC input voltage	
• rated value	24 V
• for signal "1"	15 ... 30 V
• for signal "0"	-3 ... +5 V
Electrical isolation	Yes
• note	Yes, in groups of 6
Current consumption for "1" signal level, typ.	9 mA
Input delay time for	
• signal "0" → "1", typ.	50 µs
• signal "1" → "0", typ.	150 µs
Digital inputs/outputs	
Number of digital inputs/outputs	4
Parameterization possibility of the digital I/Os	parameterizable as DI, as DO, as probe input (max. 4)
If used as an input	

DC input voltage	
• rated value	24 V
• for signal "1"	15 ... 30 V
• for signal "0"	-3 ... +5 V
Electrical isolation	No
Current consumption for "1" signal level, typ.	9 mA
Input delay time for	
• signal "0" → "1", typ.	5 µs
• signal "1" → "0", typ.	50 µs
Measuring input	
• reproducibility	5 µs
If used as an output	
Load voltage	
• rated value	24 V
• minimum	20.4 ... 28.8 V
Electrical isolation	No
Current carrying capacity for each output, max.	500 mA
Leakage current, max.	2 mA
Output delay for	
• signal "0" → "1", typ.	150 µs
• signal "0" → "1", max.	400 µs
• signal "1" → "0", typ.	75 µs
• signal "1" → "0", max.	100 µs
• note	Data for Vcc = 24 V; load 48 Ohm; "1" = 90 % VOut, "0" = 10 % VOut
Switching frequency of the outputs for	
• resistive load, max.	100 Hz
• inductive load, max.	2 Hz
• lamp load, max.	11 Hz
Short-circuit protection	Yes
If used as an current input	
Backup of non-volatile data	
• of retentive data	unlimited buffer duration
Approvals	
• USA	cULus

- Canada
- Australia

cULus
C-Tick

Further information

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[Technical documentation \(Motion Control\)](#)

[Industry Mall \(online ordering system\)](#)

[Service & Support \(FAQs, manuals, operating instructions, certificates, characteristics, ...\)](#)

last change:

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