SIEMENS

Data sheet 6AU1432-2AA00-0AA0

Article number	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

Communication

Interfaces	
• DRIVE-CLiQ	4

General technical data

Fan	No fan
DC supply voltage	
• rated value	24 V
• minimum	20.4 V
• maximum	28.8 V
Consumed current / typical	300 mA
• Note	with no load on inputs/outputs, no 24 V supply via DRIVE-CLiQ interface
Making current, typ.	1.6 A
Power loss [W] / typical	7 W
Ambient temperature, during	
• long-term storage	-25 ... +55 °C
• transport	-40 ... +70 °C
• operation	0 ... 55 °C
— note	Maximum installation altitude 4000 m (13124 ft) above sea level. Above an altitude of 2000 m (6562 ft), the maximum ambient temperature decreases by 7 °C (12.6 °F) per 1000 m (3281 ft).
Relative humidity	
• during operation	5 ... 95 %

• without condensation, tested acc. to IEC 60068-2-38	Wert fehlt
Air pressure	620 ... 1 060 hPa
Degree of protection	IP20
Height	380 mm
Width	25 mm
Depth	270 mm
• Note	When the spacer is removed 230 mm (9.05 in) deep
Net weight	2 600 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.	3.5 mA
Input delay time for	
• signal "0" → "1", typ.	50 µs
• signal "1" → "0", typ.	150 µs

Digital inputs/outputs	
Number of digital I/Os	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.	3.5 mA
Input delay time for	
• signal "0" → "1", typ.	5 µs
• signal "1" → "0", typ.	50 µs
Measuring input / reproducibility	5 µs
Measuring input / resolution	1 µs

If used as an output	
Load voltage	
• rated value	24 V
• minimum	20.4 V
• maximum	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.	4 kHz
• inductive load, max.	2 Hz
• lamp load, max.	11 Hz
Short-circuit protection	Yes

Additional technical data

Back-up of non-volatile data	
• of retentive data	unlimited buffer duration
Approvals	
• USA	cULus
• Canada	cULus
• Australia	RCM (formerly C-Tick)
• Korea	KCC
• Russia, Belarus and Kazakhstan	EAC