6AU1432-2AA00-0AA0

Data sheet



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-CI iQ

product brand name	SIMOTION
product type designation	CX32-2
Version of the motion control system	Controller Extension
Integrated drive control / header	
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/V5.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, typ.	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 $^{\circ}$ C (12.6 $^{\circ}$ 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 / UL open type
height	380 mm
width	25 mm
• depth	270 mm
Depth / Note	When the spacer is removed 230 mm (9.05 in) deep
net weight	2 600 g

Digital inputs / header	
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	V.O 118 1
signal "0" → "1", typ.	50 μs
• signal "1" → "0", typ.	150 µs
Digital inputs/outputs / header	4
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 / header	
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	
ullet signal "0" $ o$ "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 / header	
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
Inductive load, max. Iamp load, max.	2 nz 11 Hz
Short-circuit protection	Yes
Additional technical data	100
Back-up of non-volatile data	well-wide at leastful and another
of retentive data	unlimited buffer duration
Approvals	
- LICA	cULus
• USA	
Canada	cULus
	RCM (formerly C-Tick)
Canada	

