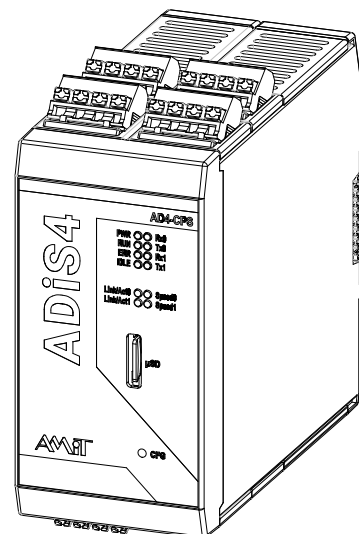


AD4-CPS/02

Central unit

- 2× Ethernet 10/100 Mbps
- 1× RS232 without GI
- 1× RS485 with GI
- MicroSD card slot
- Integrated webserver
- Up to 64 I/O modules on the system bus
- Mounted on a 35 mm DIN rail
- Programming and debugging – DetStudio / Gen2 E+



TECHNICAL DATA

CPU	STM32F437
FLASH memory	2 MB + 16 MB
RAM memory	1 MB + 16 MB
EEPROM memory	32 KB
Memory card slot	Micro SD
Communication	
Ethernet	2× 10/100 Mbps, RJ45, acc to IEEE802.3
Serial communication channel	1× RS232 without GI (ICC25-PPC) 1× RS485 with GI (ICC25-PPC)
Power supply	
	19.2 V DC to 28.8 V DC
Maximum assembly consumption	2.2 A at 24 V DC *)
Other	
Position of the central unit	First from the left
Connection to the system bus	TBUS8
Maximum number of I/O modules	64
Power and communication interfaces connection on the central unit	Phoenix Contact, ICC25-PPC Push-in spring terminals
Ingress protection rate	IP20
Operating temperature range	-40 °C to 70 °C
Maximum ambient humidity	< 95 % non-condensing
Mounting	On a 35 mm DIN rail
Weight	0.25 kg
Dimensions	(117.6 × 50.1 × 116.6) mm

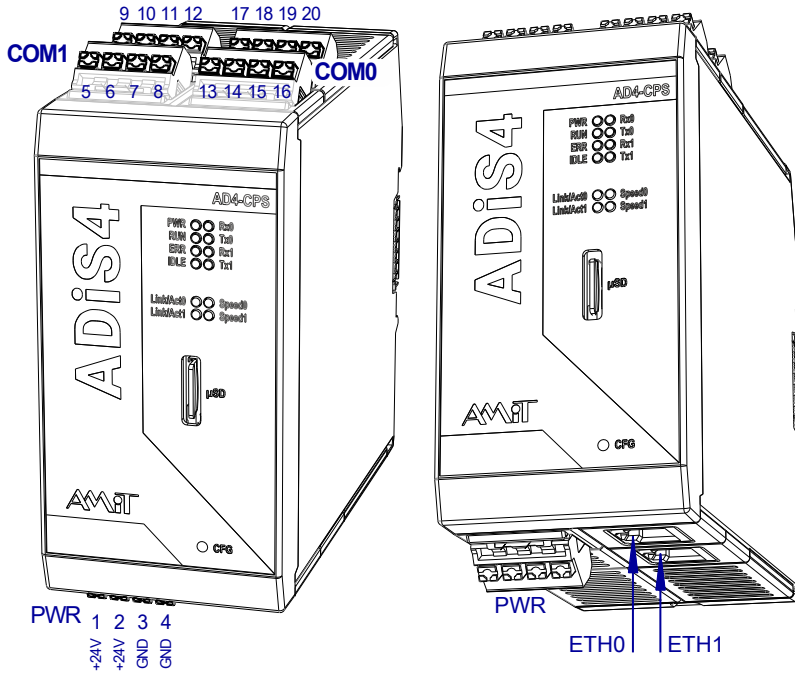
*) The total consumption of the assembly can be calculated according to the consumption of the connected modules (e.g. using the configuration table “adis4-config_tp_en_xxx.xlsx”, which automatically displays the consumption of the modules connected to the assembly).

ORDERING INFORMATION

AD4-CPS/02	Central unit, connectors, with EM-RS485 and with EM-RS232
TBUS8-25,0-7P1S	System bus connector (included with AD4-CPS/02)

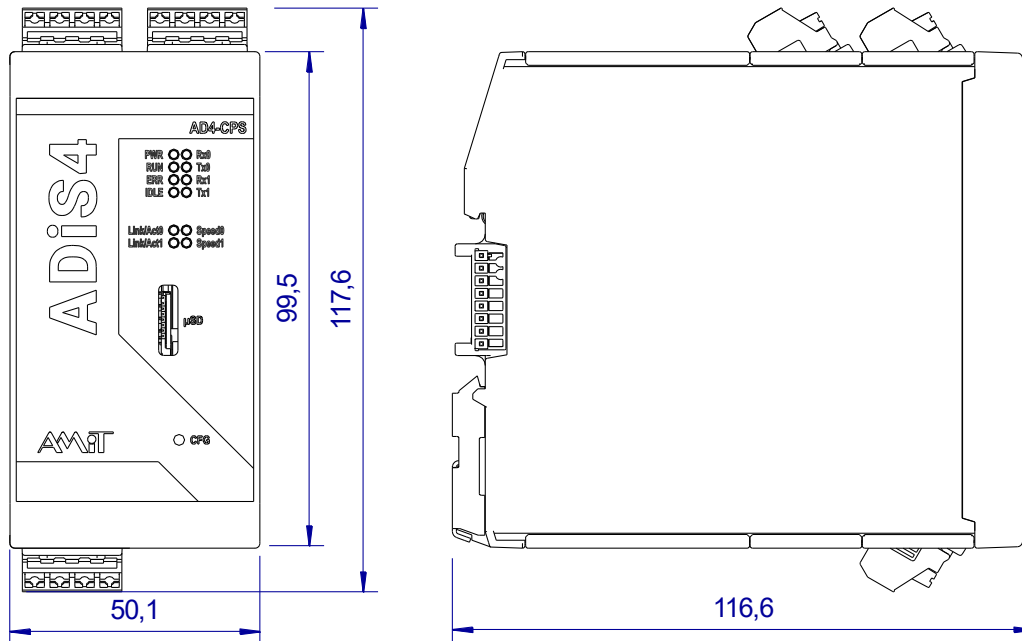
LOCATION OF CONNECTORS AND CONFIGURATION ELEMENTS

RECOMMENDED DRAWING SYMBOL



AD4-CPS/02		AMIT	
PWR		COM1	
4	GND	GND1	5
3	GND	B1	6
2	+24V	A1	7
1	+24V	-	8
Ethernet1 Ethernet		TERM1	9
		TERM1	10
		-	11
		-	12
Ethernet0 Ethernet		COM0	
		GND0	13
		Rx0	14
		Tx0	15
		DCD0	16
		RTS0	17
		CTS0	18
		DTR0	19
		DSR0	20
		RS232	

MECHANICAL DIMENSIONS



AD4-CPS/02

Central unit

DESCRIPTION OF TERMINALS

PWR

Terminal	Signal	Significance
1, 2	+24V	Power supply, +24 V DC – terminals doubling
3, 4	GND	Power supply, Ground – terminals doubling

RS485 with galvanic isolation

Terminal	Signal	Significance
5	GND1	RS485, ground
6	B1	RS485, signal B
7	A1	RS485, signal A
8	–	

Terminal	Signal	Significance
9	TERM1	RS485, termination
10	TERM1	RS485, termination
11	–	
12	–	

RS232 without galvanic isolation

Terminal	Signal	Significance
13	GND0	RS232, ground
14	Rx0	RS232, input
15	Tx0	RS232, output
16	DCD0	RS232, input

Terminal	Signal	Significance
17	RTS0	RS232, output
18	CTS0	RS232, input
19	DTR0	RS232, output
20	DSR0	RS232, input

GND terminals GND (3 and 4) and GND0 (13) are galvanically connected.

Binding detailed information can be found in the operation manual ([adis4_g_en_xxx.pdf](#)). Documentation and examples are available at amitautomation.com.