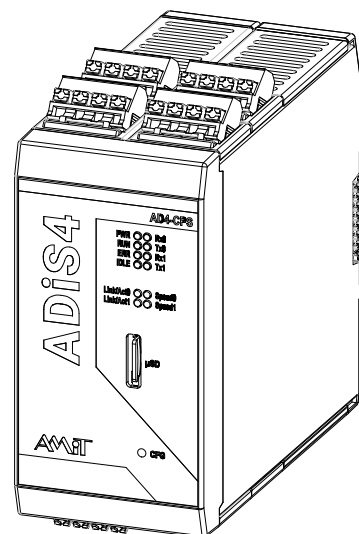


AD4-CPS/01

Central unit

- 2× Ethernet 10/100 Mbps
- 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, according to IEEE802.3
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	0.24 kg
Dimensions	(117.6 × 50.1 × 116.6) mm

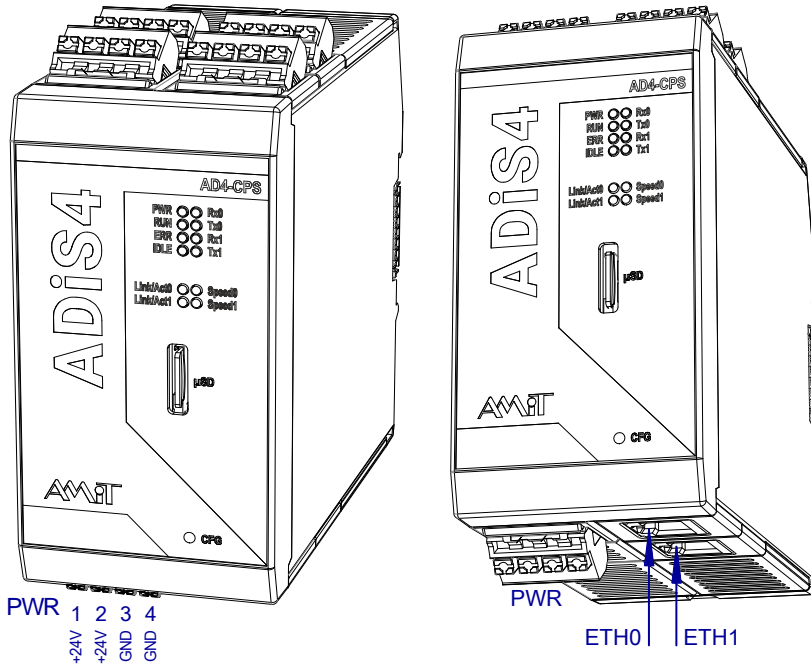
*) The total consumption of the assembly can be calculated according to the consumption of the connected modules (e.g. using the configuration table “adis4-config_tp_en_xxx.xlsx”, which automatically displays the consumption of the modules connected to the assembly).

ORDERING INFORMATION

AD4-CPS/01	Central unit, connectors, without communication modules
TBUS8-25,0-7P1S	System bus connector (included with AD4-CPS/01)

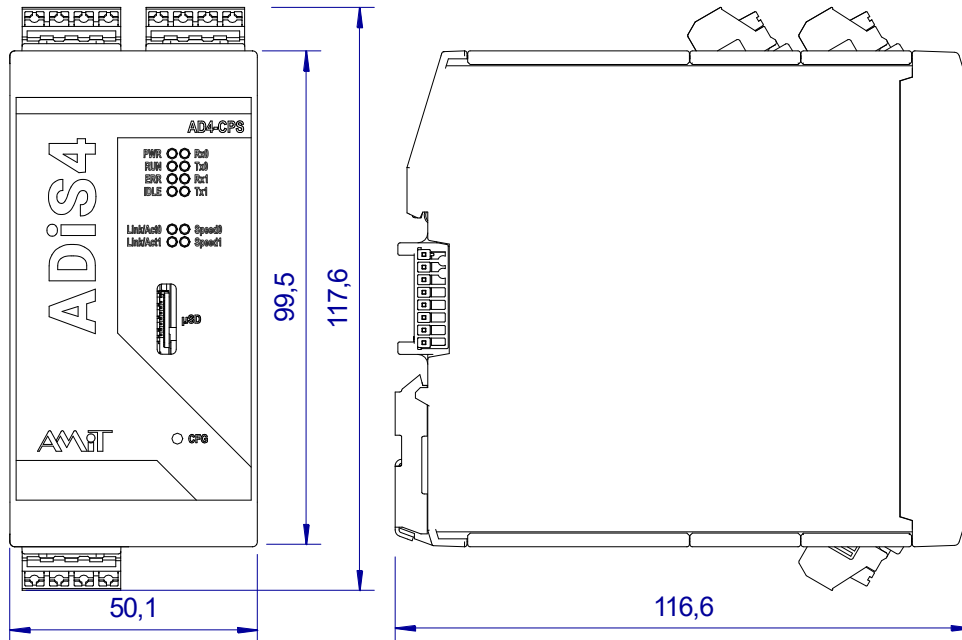
LOCATION OF CONNECTORS AND CONFIGURATION ELEMENTS

RECOMMENDED DRAWING SYMBOL



AD4-CPS/01			
AMIT			
PWR			-
4	GND	-	5
3	GND	-	6
2	+24V	-	7
1	+24V	-	8
Ethernet1		-	9
	R45 Ethernet	-	10
		-	11
		-	12
Ethernet0		-	-
	R46 Ethernet	-	13
		-	14
		-	15
		-	16
		-	17
		-	18
		-	19
		-	20

MECHANICAL DIMENSIONS



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

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