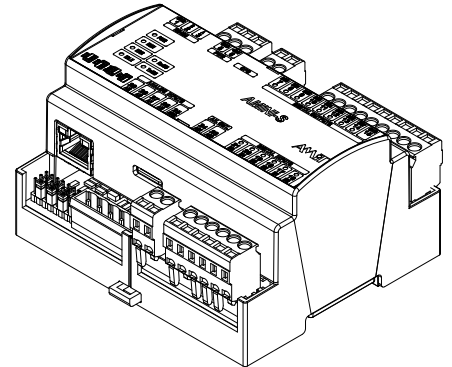


AMiNi-S/U

Compact control system without display

- 8× digital output 24 V / 0.3 A DC
- 6× digital input 24 V DC/AC
- 4× analogue input (12-bit)
U / I / RTD (Ni1000 / Pt1000) / NTC
- 2× analogue output (12-bit) 0 V to 10 V
- RS485, Ethernet 10/100 Mbps
- Web server
- Micro SD card slot
- Mounted on a 35 mm DIN rail



TECHNICAL DATA

CPU	STM32F437
FLASH memory	2 MB + 16 MB
RAM memory	1 MB + 16 MB
SRAM + RTC backup	10 years
Memory card slot	Micro SD
Inputs	6× DI + 4× AI
Digital inputs	24 V DC/AC
Analogue inputs	0 V to 10 V/0 mA to 20 mA/ RTD (Ni1000/Pt1000)/NTC 10 kΩ/NTC 20 kΩ
Galvanically isolated digital inputs	No
Galvanically isolated analogue inputs	No
Outputs	8× DO + 2× AO
Digital outputs	24 V/0.3 A DC
Analogue outputs	0 V to 10 V (max. 10 mA)
Galvanically isolated digital outputs	No
Galvanically isolated analogue outputs	No
Communication	
Serial communication channel	1× RS485 (WAGO 231 connector)
Ethernet	10/100 Mbps, RJ45, according to IEEE802.3
Galvanically isolated RS485	No
Power supply	19.2 V DC to 28.8 V DC
Maximum power consumption (w/o outputs)	120 mA at 24 V DC
Other	
Signals connection	WAGO 231 clamp connectors
Ingress protection rate	IP20
Operating temperature range	-20 °C to +70 °C
Maximum ambient humidity	< 95 % non-condensing
Mounting	On a 35 mm DIN rail
Weight	0.25 kg
Dimensions (w × h × d)	(106.5 × 101 × 62) mm

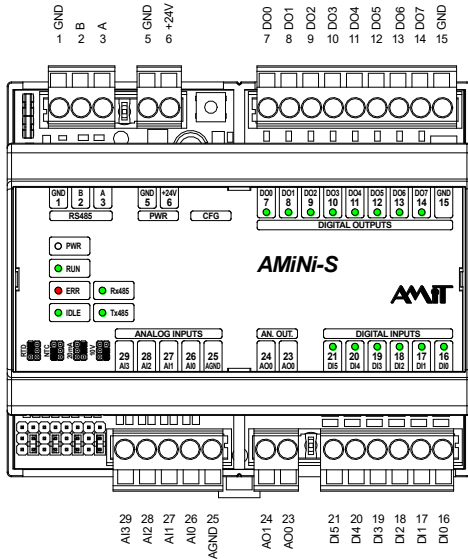
ORDERING INFORMATION

AMiNi-S/U	Control system, WAGO connectors
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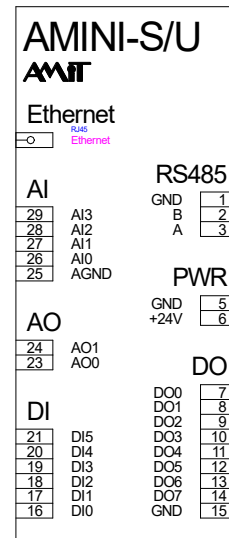
TERMINALS IDENTIFICATION

Communication	RS485		1 to 3
Power supply	PWR	power supply 24 V DC	5 to 6
Digital outputs	DO	8× digital output without GI	7 to 15
Digital inputs	DI	6× digital input without GI	16 to 21
Analogue outputs	AO	2× 12-bit analogue output without GI	23 to 24
Analogue inputs	AI	4× 12-bit analogue input without GI	25 to 29

LOCATIONS OF TERMINALS

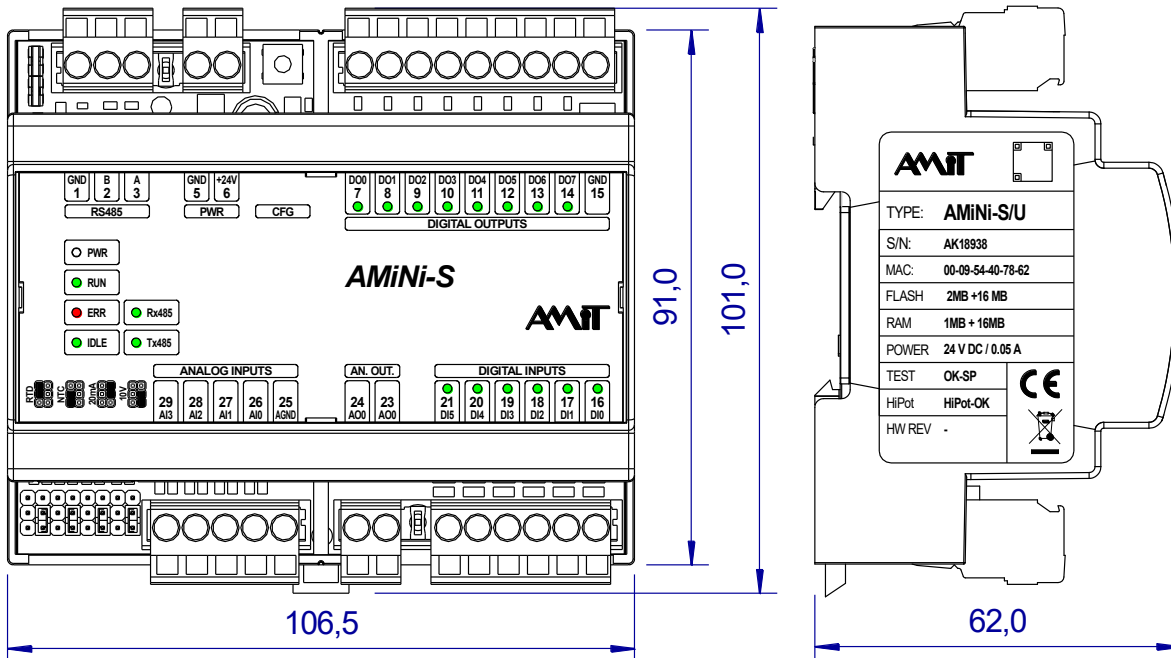


RECOMMENDED DRAWING SYMBOL



Note: Terminals GND and AGND are connected internally.

MECHANICAL DIMENSIONS



Data in this datasheet is tentative. Binding detailed information can be found in the operation manual ([amini-su_g_en_xxx.pdf](#)). Documentation can be downloaded at [amitautomation.com](#).

The manner of usage of the system peripherals is determined by the current options of DetStudio (Gen2 E+) development environment.