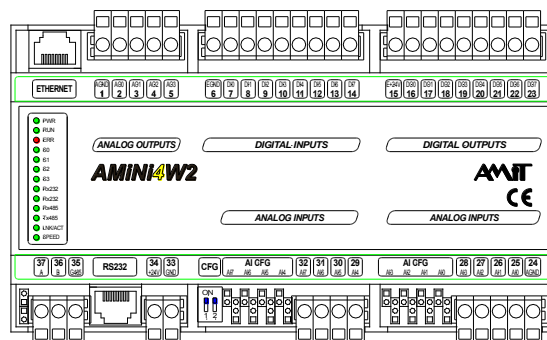


AMiNi4W2

Compact control system

- 8 × DI digital output 24 V/0.3 A DC
- 8 × DI digital input 24 V DC/AC
- 8 × analogue input U/I/Ni1000/Pt1000
- 4 × analogue output 0 V to 10 V
- RS232, RS485 DI, Ethernet 10/100 Mbps
- Integrated web server
- Micro SD card slot
- DIN 35 mm rail mounting



TECHNICAL DATA

CPU procedural/communication	ST10F269/STM32F207
Flash memory	2 MB + 256 KB
RAM (backed-up)	1024 KB
RAM + RTC back-up	Lithium battery Panasonic, 5 years
Slot for memory card	Micro SD
Inputs	8 × DI + 8 × AI
Digital inputs	24 V AC/DC
Analogue inputs	0 V to 5 V/0 V to 10 V/0 mA to 20 mA / / Ni1000/Pt1000
Galvanic isolation of digital inputs	Yes *)
Galvanic isolation of analogue inputs	No
Outputs	8 × DO + 4 × AO
Digital outputs	24 V/0.3 A DC
Analogue outputs	0 V to 10 V (max. 10 mA)
Galvanic isolation of digital outputs	Yes *)
Galvanic isolation of analogue outputs	No
Communication	
Serial communication channel	1 × RS232 (RJ45), according to EIA-561 1 × RS485 (Connectors WAGO)
Ethernet	10/100 Mbps, RJ45, according to IEEE802.3
RS232 galvanic isolation	No
RS485 galvanic isolation	Yes *)
Power supply	19.2 V DC to 28.8 V DC
Power consumption (without output load)	Max. 200 mA at 24 V DC
Reference voltage	Internal 5.000 V DC ±1 mV
Others	
Signal connection	Cage clamps WAGO 231
Ingress protection rate	IP20
Operating temperature	0 °C to 50 °C
Maximum ambient humidity	< 95 % non-condensing
Mounting	DIN rail 35 mm
Weight	500 g
Dimensions (w × h × d)	(160 × 98 × 74) mm

*) Insulation strength 300 V AC/1 minute, galvanic isolation must not be used for safe and unsafe parts separation.

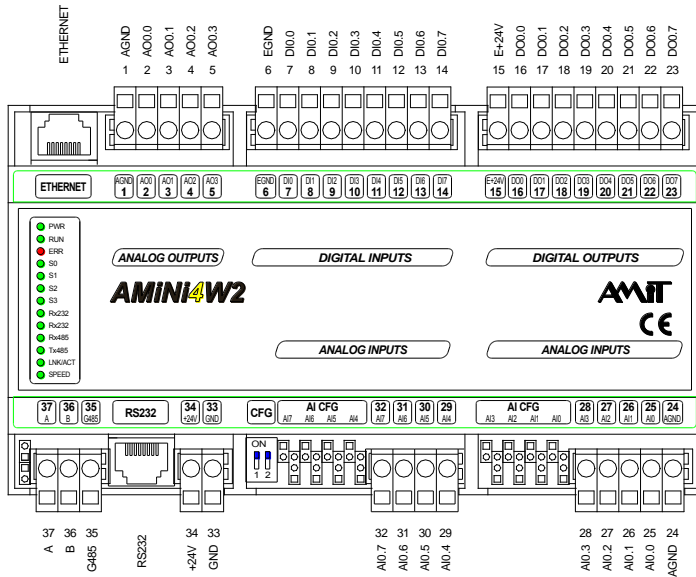
ORDERING INFORMATION

AMiNi4W2	Control system, connectors WAGO
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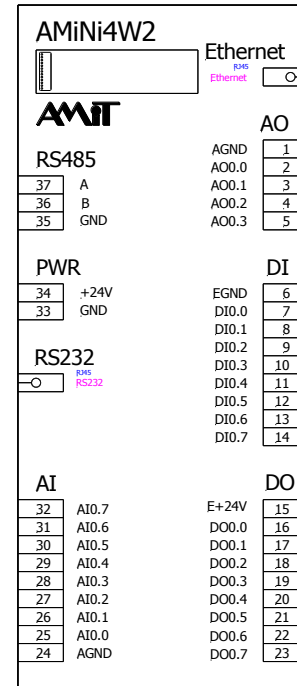
TERMINALS IDENTIFICATION

Analogue outputs	AO	4 × 10-bit analogue output without GI	1 to 5
Digital inputs	DI	8 × galvanically isolated input	6 to 14
Digital outputs	DO	8 × galvanically isolated output	15 to 23
Analogue inputs	AI	8 × 10-bit analogue input without GI	24 to 32
Power supply	PWR	power supply 24 V DC	33 to 34
Communication	RS485		35 to 37

LOCATION OF TERMINALS

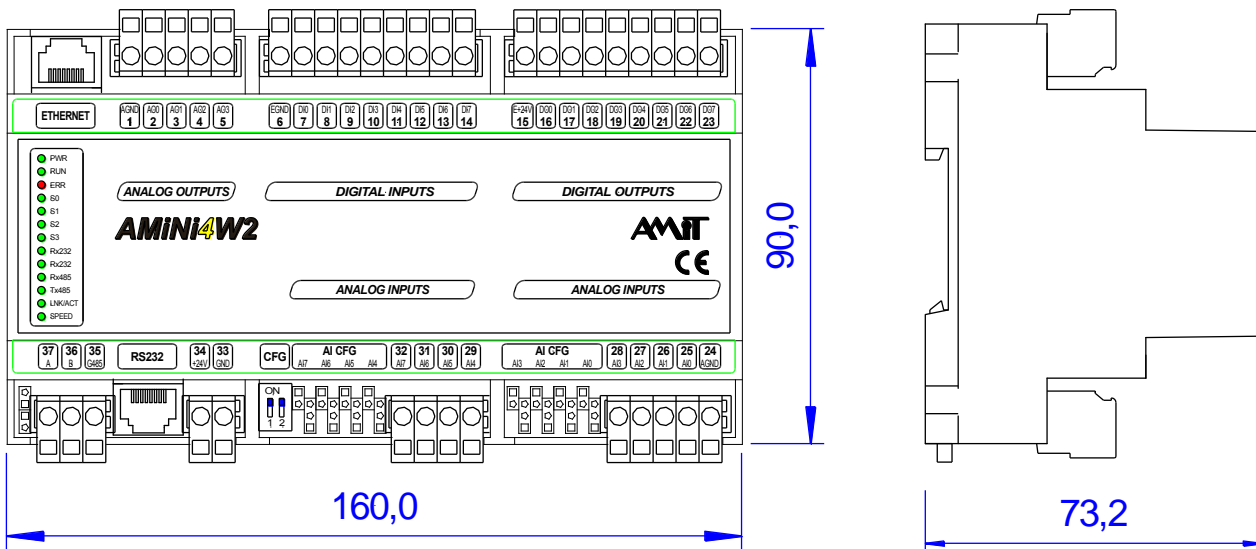


RECOMMENDED DRAWING SYMBOL



Note: GND, AGND and RS232 – GND terminals are internally connected

MECHANICAL DIMENSIONS



Detailed information can be found in operational manual ([amini4w2_g_en_xxx.pdf](#)). Documentation and examples can be downloaded from www.amitautomation.com.