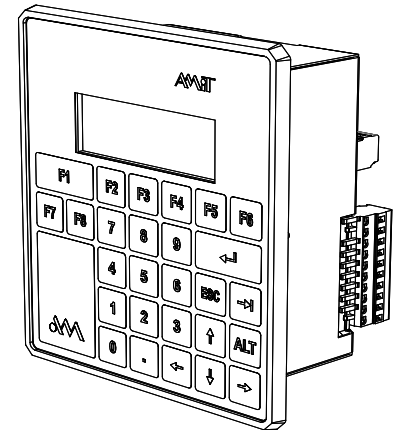


ART4000W3

Control terminal with Ethernet interface

- 1,024 KB backed-up RAM, 2,048 KB FLASH
- 8× GI digital output 24 V/0.5 A DC
- 8× GI digital input 24 V DC / AC
- 8× universal analogue input U/I/Ni1000/Pt1000
- 2× analogue output 0 V to 10 V
- RS232, RS485 with GI, Ethernet 100 Mbps
- Integrated web server
- Micro SD card slot
- LCD display (4 × 20) characters, keyboard



TECHNICAL DATA

CPU	STM32F427
FLASH memory	2 MB
Backed-up RAM memory	1 MB
RAM + RTC back-up	Lithium battery Panasonic, 5 years
Memory card slot	Micro SD
Inputs	8× DI + 8× AI
Digital inputs	24 V DC/ AC
Analogue inputs	0 V to 5 V / 0 V to 10 V / 0 mA to 20 mA / Ni1000 / Pt1000
Galvanically isolated digital inputs	Yes *)
Galvanically isolated analogue inputs	No
Outputs	8× DO + 2× AO
Digital outputs	24 V/0.5 A DC
Analogue outputs	0 V to 10 V
Galvanically isolated digital outputs	Yes *)
Galvanically isolated analogue outputs	No
Communication	
Serial communication channel	1× RS232 (D-sub DE-9, plug) 1× RS485 (Connector WAGO)
Ethernet	100 Mbps, RJ45, according to IEEE802.3
RS232 galvanic isolation	No
RS 485 galvanic isolation	Yes *)
Power supply	19.2 V DC to 28.8 V DC
Consumption (without outputs)	Max. 0.25 A at 24 V DC
Reference voltage	Internal 5,000 V DC ±1 mV
Other	
Viewer	LCD display backlit by LED (4 × 20) characters
Keyboard	Membrane keyboard with 27 keys
Signal connection	Cage clamps WAGO 231
Ingress protection rate – front panel/rear panel	IP55 / IP20
Operating temperature range	-20 °C to 60 °C
Maximum ambient humidity	< 95 % non-condensing
Mounting	Into the switchboard front panel
Weight	1.02 kg
Dimensions (w × h × d)	(145 × 165 × 88) mm

*) Isolation strength 300 V AC, galvanic isolation must not be used for separation of safe parts from dangerous parts.

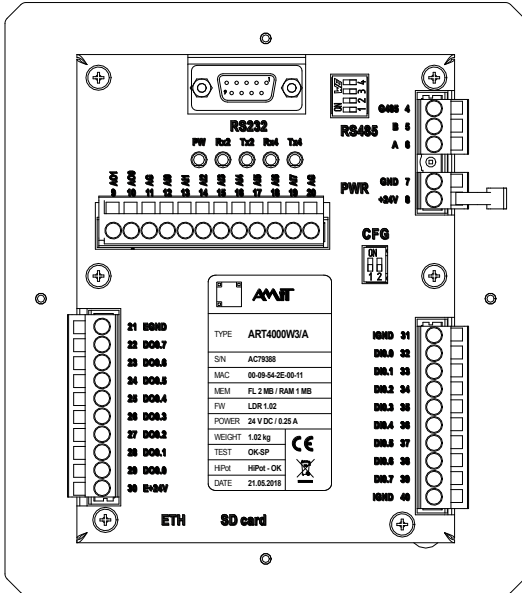
ORDERING INFORMATION

ART4000W3	Control terminal, connectors WAGO
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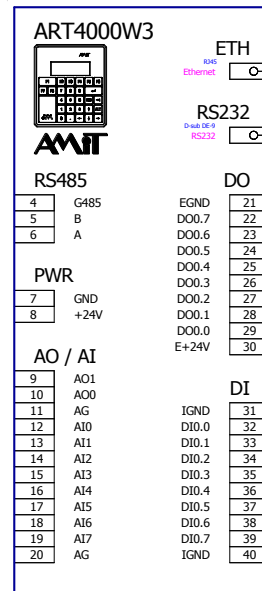
TERMINALS IDENTIFICATION

Communication	RS485	4 to 6
Power supply	PWR power supply 24 V DC	7 to 8
Analogue outputs + analogue inputs	AO/AI 2× 10-bit analogue output without GI 8× 10-bit analogue input without GI	9 to 20
Digital outputs	DO 8× galvanically separated output	21 to 30
Digital inputs	DI 8× galvanically separated input	31 to 40

LOCATIONS OF TERMINALS

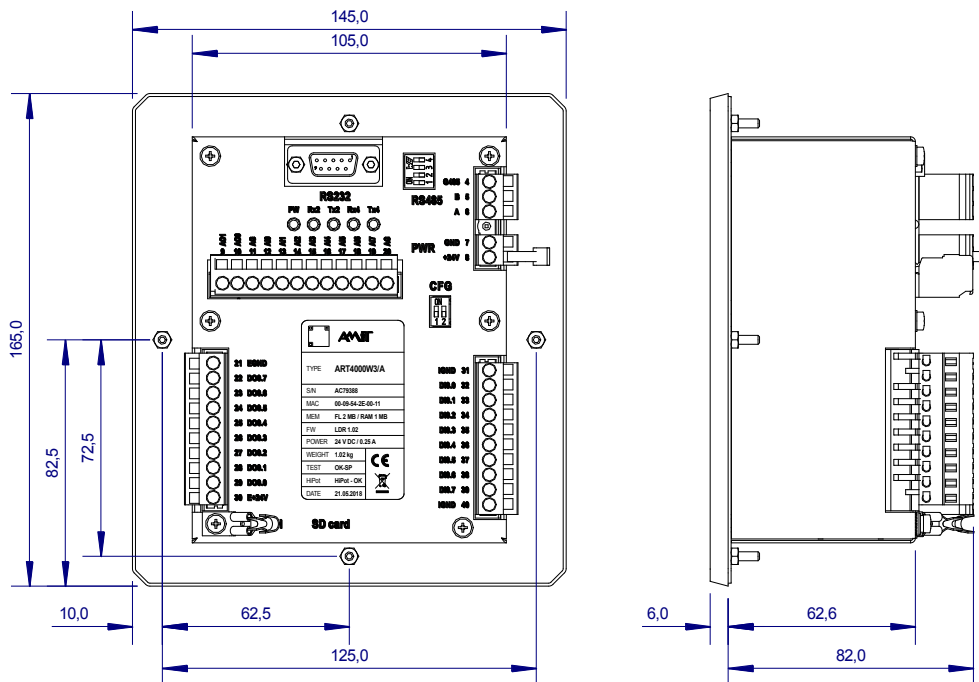


RECOMMENDED DRAWING SYMBOL



Note: Terminals GND, AGND a RS232-GND are connected internally.

MECHANICAL DIMENSIONS ART4000W3



Data provided in this datasheet is informative only. Binding detailed information can be found in the operation manual ([art4000w3_g_en_xxx.pdf](#)). Documentation can be downloaded from amitautomation.com.