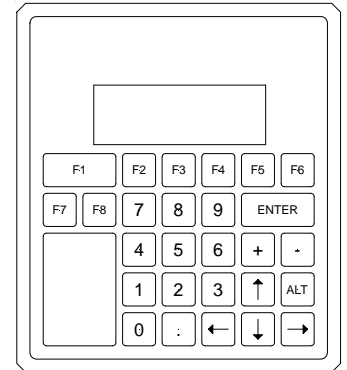


# ART4000B/1M

Compact Control System with Display

- 1024 KB battery back-up RAM, 512 KB FLASH
- 8 × digital output 24 V / 0.5 A
- 8 × digital input 24 V
- 8 × analogue input
- 2 × analogue output 0 to 20 mA
- RS232, RS485 with galvanic separation
- LCD display 4 × 20 characters, ASCII and Russian alphabet character set, membrane keyboard with 27 keys



## TECHNICAL DATA

<b>Display</b>	Display and keyboard
Display	Back-lit LCD with 4 × 20 characters
Keyboard	Membrane type with 27 keys
<b>Digital inputs</b>	8 × 24 V AC/DC
Galvanic separation of inputs	Yes *)
<b>Digital outputs</b>	8 × 24 V / 0.5 A DC
Galvanic separation of outputs	Yes *)
<b>Analogue inputs</b>	8 ×
Type	0 to 10 V / 0 to 5 V / 0 to 20 mA / Ni1000 / Pt1000 contact 24 V AC/DC
Galvanic separation of analogue inputs	No
<b>Current analogue outputs</b>	2 × 0 to 20 mA, (max. 10 V)
Galvanic separation of analogue outputs	No
<b>Communication</b>	
RS232	1 × (CANON 9, female)
Galvanic separation of RS232	No
RS485	1 × (WAGO231-303)
Galvanic separation of RS485	Yes *)
<b>Power supply</b>	24 V AC ±20 %
Max. power consumption (without outputs)	Max. 0.25 A at 24 V DC
<b>Others</b>	
Signal connection	WAGO 231 cage clamp connectors
Protection – front panel / back panel	IP55 / IP20
Operating temperature	0 to 50 °C
Max. ambient humidity	< 95 % non-condensing
Mounting	Designed for switchboard front panel mounting
Weight	1 kg
Dimensions (w × h × d)	146 × 166 × 87 mm

\*) Insulation strength 500 V AC / 1 minute, galvanic separation may not be used for safe and unsafe parts separation.

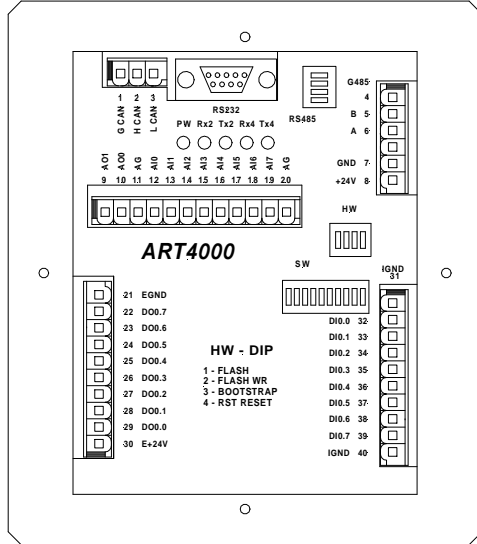
## ORDERING INFORMATION

<b>ART4000B/1M</b>	Control system with LCD display and keyboard, user's manual, warranty card, mount-hole cutting template, full WAGO connector set
<b>KABEL 232P</b>	RS232 to PC connecting cable

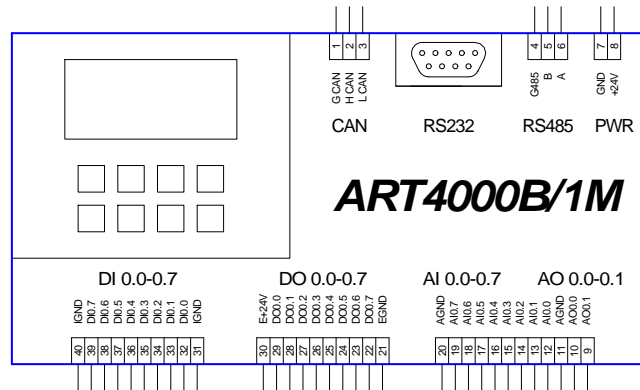
# CONNECTORS FOR PHERIPHERAL MODULES

Communication	RS485 interface	4 .. 5
Power supply	PWR Power supply 24 V DC	7 .. 8
Analogue inputs + outputs	AI/AO 8 × 10 bit analogue input without galvanic separation 2 × 10 bit analogue output without galvanic separation	9 .. 20
Digital outputs	DO 8 × galvanically separated output	21 .. 30
Digital inputs	DI 8 × galvanically separated input	31 .. 40

## TERMINAL LOCATION



## RECOMMENDED DIAGRAM SYMBOL



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

## PHYSICAL DIMENSIONS

