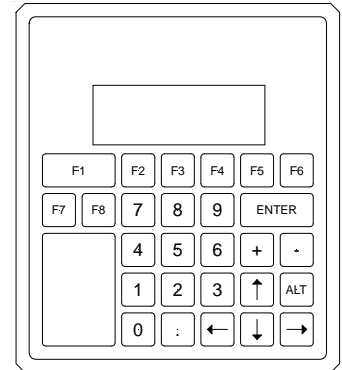


ART4000F/I2

Compact Control System with Display

- 8 × digital output 24 V / 0.5 A
- 8 × digital input 24 V
- 8 × analogue input U / I / Ni1000
- RS232, RS485 with galvanic separation
- VFD display 4 × 20 characters, membrane keyboard with 27 keys
- Designed for switchboard front panel mounting



TECHNICAL DATA

Digital inputs Universal AC / DC	8 × 24 V AC/DC Logical 0 min. -30 V, max. 5 V Logical 1 min. 16 V, max. 30 V
Digital inputs protection	Transil 600 W
Galvanic separation of inputs	Yes *)
Digital outputs	8 × 24 V / 0.5 A DC
Outputs protection	Transil 600 W
Galvanic separation of outputs	Yes *)
Analogue inputs	8 × 0 to 10 V / 0 to 5 V / 0 to 20 mA / Ni1000
Analogue inputs protection	Diodes + 10 kOhm resistor
Galvanic separation of analogue inputs	No
Serial communication interface	RS232 (CANON 9) without galvanic separation, RS485 (WAGO231-303) with galvanic separation *)
Display	Green VFD, 4 × 20 characters
Keyboard	Membrane type with 27 keys
Cover protection rate – front panel – back panel	IP55 IP20
Signal connection	WAGO231 cage clamp connectors
Power supply	24 V AC ±20 %
Max. power consumption (without outputs)	Max. 0.25 A at 24 V DC
Operating temperature	-25 to 70 °C
Max. ambient humidity	< 95 % non-condensing
Dimensions (w × h × d)	146 × 166 × 87 mm
Weight	1 kg
Back-up battery lifetime	5 years
Programming	DetStudio

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

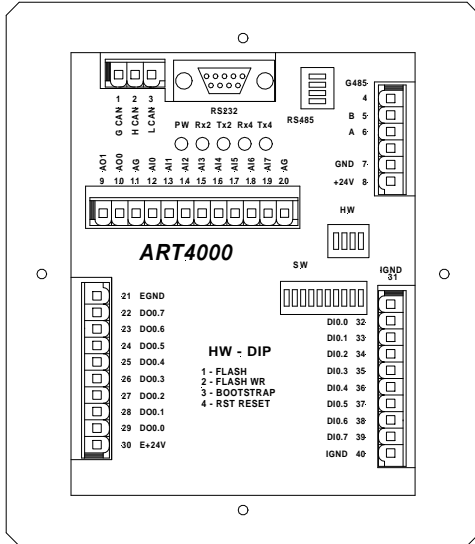
ORDERING INFORMATION

ART4000F/I2	Control system with fluorescent VFD display and keyboard, user's manual, operating temperature -25 to 70 °C, warranty card, mount-hole cutting template, full WAGO connector set
ART4000F/I2/1M	ART4000F/I2 + extension to 1MB RAM
KABEL 232P	RS232 to PC connecting cable

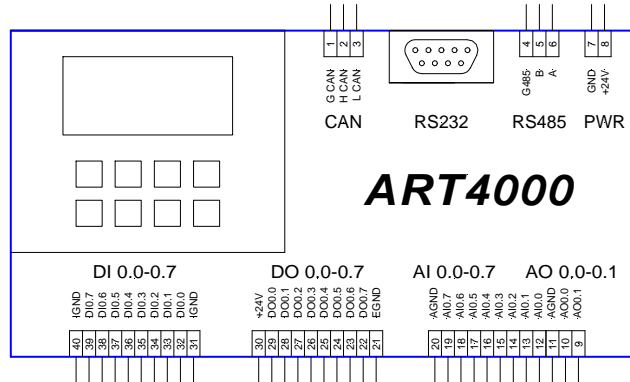
CONNECTORS FOR PHERIPHERAL MODULES

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

TERMINAL LOCATION



RECOMMENDED DIAGRAM SYMBOL



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

PHYSICAL DIMENSIONS

