

A6500-CC ModBus, OPC UA, and Rack Interface

The ModBus and Rack Interface Module is designed for high reliability for the plant's most critical rotating machinery. It reads parameters from all CSI A6500 ATG modules and outputs these parameters through ModBus TCP/IP and/or ModBus RTU (serial). In addition, OPC UA is available for data transmission to third party systems.

This 1-slot monitor is used together with other CSI A6500 ATG monitors to build a complete API 670 machinery protection monitor. Applications include steam, gas, compressors, and hydro turbo machinery.

Operators are provided machinery health parameters in the control environment for seamless integration. The module powers local graphical displays at the protection rack for machine and instrumentation readout. Either ModBus TCP/IP or ModBus RTU or OPC UA can be configured, or for redundant path, can be used simultaneously.



Data Output

ModBus RTU (Serial)	9600 or 19.2 or 38.4 kbaud Data bits: 8 Parity: configurable Stop bit: 1
OPC UA	Under examinations
Default Address	IP address: 192.168.1.100/101
ModBus Ethernet	RJ 45 socket, 10/100 Mbit
Green LED	Power supply OK
Handle	Easily remove card and provide plate for module identification
Example Data Types	Speed, vibration (1/2x, 1x, etc.), gap value, alarm state, channel OK, and phase

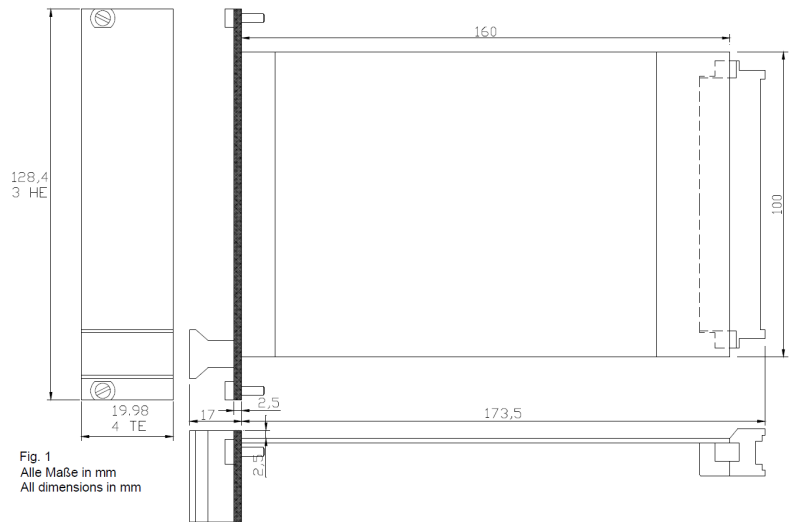
Environmental, General

Protection Class	IP20 IEC 60529
Operating Temperature	-20° to 70°C (-4° to 185°F)
Storage Temperature	-40° to 85°C (-40° to 185°F)
Relative Humidity	5 – 95%, non condensing
Vibration	IEC 60068-2-6 0.15mm, 10 – 55Hz 20m/s ² , 55 – 150Hz
EMC Resistance	IEC 61326-1
Power Consumption	Max. 4W

- 3U size, 1-slot plug-in module decreases cabinet space requirements in half from traditional 6U size cards.
- API 670 compliant, hot-swappable module.
- Password protected user configuration.
- Self-checking facilities include monitoring hardware, power input, and hardware temperature.

Dimensions:

- PCB/EURO card format according to IEC 60297,
100 x 160mm (3.937 x 6.300in)
- Width: 19.98mm (0.79in) (4 TE)
- Height: 128.4mm (5.055in) (3 HE)
- Length: 160.0mm (6.300in)
- Net weight: app 170g (0.375lbs)
- Gross weight: app 300g (0.662lbs)
includes standard packing
- Packing volume: app 2.5dm³ (0.08ft³)
- Space requirements: 1 slot 14 modules fit
into each 19" rack



Ordering Information

Model Number	Product Description
A6500-CC	MODBUS & OPC UA rack interface

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