

A6500-RC 16-Channel Output Relay Module Specifications

The 16-Channel Output Relay Module is designed for high reliability for the plant's most critical rotating machinery. This monitor is used together with the CSI 6500 ATG to build a complete API 670 machinery protection monitor. Applications include steam, gas, compressors, and hydro turbo machinery.

Any channel clear, alert, or alarm signal can be selected as input to the 16-Channel Output Relay Module. Use Boolean logic, apply time delay, and select an output relay to complete the configuration. Easy-to-use software provides graphical logic displays that guide the user pictorially through configuration.

The CSI 6500 Machinery Health Monitor is an integral part of PlantWeb® and AMS Suite. PlantWeb provides operations - integrated machinery health combined with the Ovation® and DeltaV™ process control system. AMS Suite provides maintenance personnel advanced predictive and performance diagnostic tools to confidently and accurately determine machine malfunctions early.



A6500-RC

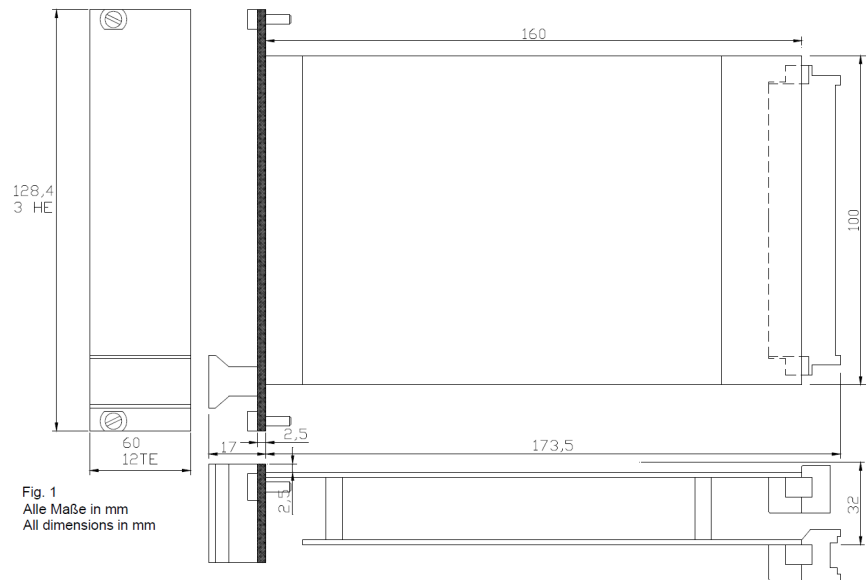
- 3U size, 2-slot plug-in module decreases cabinet space requirements in half from traditional 6U size cards.
- API 670 compliant, hot-swappable module.
- 66 inputs, 16 logic networks, 16 relay outputs.
- A6500-RC is a 10TE wide module for the A6500-SR rack.

Data Output	
Relays	Redundant relay configurable Mechanical relays per API 670 specification Supply voltage: 19-32 VDC Contact load: AC/DC - 48/32 V - 2A Normally open or Normally closed, selectable Single pole, double throw (SPDT)
Logic	Redundant relay configurable AND, OR, XOR, SR, RS, MooN, Pos, Neg Up to 16 logic networks definable per A6500-RC module
Inputs	66 inputs of type: <ul style="list-style-type: none"> ■ Channel clear (slot number), Channel 1 and 2 ■ Alert (slot number), Channel 1 and 2 ■ Danger (slot number), Channel 1 and 2
Outputs	Relay 1-16
Time Delay	0-1000 seconds
Handle	Easily remove card and provide plate for module identification

Environmental, General	
Protection Class	IP 20, IEC 60529
Operating Temperature	-20° to 70°C (-4° to 185°F)
Temperature for Storage and Transport	-40° to 85°C (-40° to 185°F)
Relative Humidity	5–95%, non condensing
Vibration	IEC 68-2, part 6 0.15mm, 10-55HZ 20m/s ² , 55-150Hz
Shock	IEC 60068-2-27 150 m/s ² 4000 shocks per axis
EMC Resistance	EN50081-1 / EN50082-2
Power Consumption	Max. 6W
Configuration	Password protected

**A6500-RC Relay
Module Dimensions:**

PCB/EURO card format according to DIN 41494, 100 x 160mm (3.937 x 6.300in)
 Width: 60mm (2.362in) (12 TE)
 Height: 128.4mm (5.055in) (3 HE)
 Length: 160mm (6.300in)
 Net Weight: app 320g (0.705lbs)
 Gross Weight: app 450g (0.992lbs)
 Packing Volume: app 2.5dm³ (0.088ft³)



Ordering Information

Model Number	Product Description
A6500-RC	16-Channel Output Relay Module, 12 TE wide for use in A6500-SR rack

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